



## Tuesday, 10 September

11:30am **5.D New advances in Lacustrine sedimentology**  
*ROOM 1 ESD*  
 Chaired by: Pingsheng Wei and Dr. Huaqing Liu and Dr. Shuxin Pan and Carlos Zavala

11:30am **Subaqueous sandy mass-transport deposits: The mechanism of transport processes**  
 » [Dr. Xiangbo Li](#)

11:45am **Discovery of hyperpycnal flow in salinized lake and its significance for petroleum geology: A case study of deep-water siltstones within upper member of Lower Ganchaigou formation (E32) in Yingxi depression, Qaidam Basin**  
 » [Mr. Wang Jiangong](#), Mr. Ping Zhang

12pm **Sedimentary Characteristics and Model of Sandy Debris Flow in Lacustrine Basin Depression Area of Triassic Baikouquan Formation in Junggar Basin**  
 » [Dr. Huang Linjun](#), Dr. Shuxin Pan

12:15pm **Late syn-rift sequence architecture and sedimentary evolution of a continental rift basin: A case study from Fulongquan Depression of the Songliao Basin, northeast China**  
 » [Prof. Taijiang Fan](#), Mr. Yunchao Hou, Dr. Yifan Li

11:30am **6.A Stratigraphic controls on the geochemical and fossil record**  
*ROOM 11 ESD*  
 Chaired by: Dr. Silvia Danise and Dr. Emilia Jarochovska and Dr. Rute Coimbra

11:30am **Grès Armorica Formation (NW France): the opening of the Rheic Ocean and tectono-sedimentary evolution**  
 » [Ms. Michela Ebau](#), Prof. Alfredo Loi, Prof. Stefano Andreucci, Mr. Roberto Cucca

11:45am **Hyperpycnites In Wulongqin formation of Eastern Yunnan, China: implications for the exceptional preservation of Burgess Shale-type fossil-Lagerstätten**  
 » [Mr. Kang Boxin](#), Prof. Gianni Liu

12pm **Depositional features of the North Adriatic epicontinental shelf- a deeper look into the Holocene evolution of the Po delta system**  
 » [Ms. Michaela Berensmeier](#), Dr. Martin Zuschin, Dr. Adam Tomašových

12:15pm **The origin of Palaeogene glauconites in the palaeo-Tethyan margins in the background of warming events**  
 » [Prof. Santanu Banerjee](#), Mr. Tathagata Roy Choudhury, Dr. Sonal Khanolkar, Prof. Pratul K. Saraswati

11:30am **11.A Sedimentological, stratigraphic and geomorphic record of the evolution of the Tethys ocean related basins**  
*ROOM Galasso*  
 Chaired by: Dr. Alham Al-langawi and Dr. Mohammed Al-Masrahy and Hanadi Aldoukhi

11:30am **Facies and diagenesis of the Apennine Carbonate Platform from Triassic to Upper Cretaceous: a review**  
 » [Prof. Alessandro Iannace](#), Dr. Francesco Vinci, Dr. Mariano Parente, Dr. R. De' Gennaro, Dr. Giuseppina Balassone

11:45am **Lithostratigraphic characterization and hydrocarbon potential of the Carboniferous-Permian Unayzah Group across the Arabian Basin**  
 » [Prof. Fadhil Sadooni](#), Prof. Hamad Al-Saad

12pm **Bedform Geomorphology and Sand Drift Direction of the Permian Aeolian Deposits, Saudi Arabia, Implications for Reservoir Development and Prediction**  
 » [Dr. Mohammed Al-Masrahy](#)

12:15pm **Sequence stratigraphy and sedimentary environments of post-glacial transgressive clastic ramps (Early Paleozoic, Middle East)**  
 » [Mr. Saeed Alshahrani](#), Prof. Rainer Zuhlke

Continued from **Tuesday, 10 September**

- 11:30am **1.B Open Session on Carbonates & Bioconstructions**  
*ROOM Aula Magna*  
Chaired by: Dr. Laura Tomassetti and Dr. Stephen Lokier
- 11:30am **Temporal variability of cold-water coral habitats from the Porcupine Bank Canyon NE Atlantic**  
» [Mr. Luke O'Reilly](#), Dr. Aaron Lim, Dr. Jurgen Titschack, Dr. OJ O'Connor, Ms. Kimberly Harris, Mr. John Appah, Prof. Andrew Wheeler
- 11:45am **Sedimentological and stratigraphical analysis of the Cenomanian-Santonian rudist-bearing carbonate platform, northern Arabian Plate, the Sabunsuyu section, Kilis area, (SE Turkey)**  
» [Mr. Oguz Mulayim](#), Prof. Ismail Omer Yilmaz, Prof. Sacit Ozer, Prof. Bilal Sari, Prof. Kemal Tasli, Dr. Izzet Hoşgör
- 11:30am **4.A Deep-water channels: Morphology, architecture, flow processes and sedimentation**  
*ROOM Blue1*  
Chaired by: Dr. Chenglin Gong and Prof. Peter Talling and Dr. Michele Rebesco and Dr. Matthieu Cartigny and Maarten Heijnen
- 11:30am **Multiple submarine turbidity currents: link between confinement, flow and seabed evolution from numerical model perspectives**  
» [Dr. Maria Azpiroz-Zabala](#), Dr. Joep Storms, Dr. Helena van der Vegt, Dr. Dirk-Jan Walstra, Dr. Arnau Obradors-Latre, Dr. Anna Ponten
- 11:45am **Simulation of the bottom flows in deep-water channels using three-dimensional ocean circulation model**  
» [Dr. Dmitry Frey](#), Mr. Vladimir Fomin, Dr. Eugene Morozov, Dr. Nikolay Diansky
- 12pm **Character and significance of thin-beds associated with channels in sandy deep-sea fan successions**  
» [Dr. Emma Morris](#), Prof. Peter Houghton, Prof. Patrick Shannon, Dr. Colm Pierce, Dr. Andrew Pulham, Dr. Ole Martinsen, Dr. Simon Barker

- 12:15pm **Deepwater Architectural Elements and Reservoirs in the Ruvuma basin, East Africa**  
» [Mr. ZhiCheng Xu](#), Mr. Fuliang Lyu
- 11:30am **SKT 10.B (30 minutes) - 10.B Sediment Management: from science to practice**  
*ROOM Blue2*  
Chaired by: Dr. Sergio Cappucci and Prof. Edward Anthony and Prof. Victor N. de Jonge and Prof. Giorgio Fontolan and Dr. Paolo Lupino and Enzo Pranzini
- 11:30am **Combatting effects of sediment management on estuarine and coastal ecosystems**  
» [Prof. Victor N. de Jonge](#), Dr. Ulrike Schüchel
- 11:30am **11.I Organic matter in palaeoenvironmental, palaeogeographical and hydrocarbon exploration research: progress and perspectives**  
*ROOM Blue3*  
Chaired by: Dr. Amalia Spina and Prof. Annette Goetz and Nicoletta Buratti
- 11:30am **Integrated palaeoenvironmental reconstruction based on palynofacies and palynological analyses of the Lashly Formation from Allan Hills, South Victoria Land (Antarctica)**  
» [Ms. Valentina Corti](#), Dr. Amalia Spina, Prof. Gianluca Cornamusini, Prof. Simonetta Cirilli, Mr. Giovanni Pio Liberato, Prof. Franco Maria Talarico
- 11:45am **Geological and Organic Geochemical Characteristics of Potential Gas Source Rocks for Gas Hydrates**  
» [Dr. Dongwen Fan](#), Prof. Zhenquan Lu
- 12pm **Sedimentology and diagenetic evolution of tight sandstone reservoirs in terrestrial rift basin—a case study of the third member of the Upper Paleogene Shahejie Formation, Nanpu Sag, Bohai Bay Basin, NE China**  
» [Mr. Enze Wang](#), Prof. Xiongqi Pang

Continued from **Tuesday, 10 September**

12:15pm **Coal facies and hydrocarbon generation potentials of the Paleogene coal-bearing series in Xihu Depression, East China Sea Shelf Basin**

» Prof. Longyi Shao, Prof. Jinshui Liu, Mr. Shilong Kang, Dr. Wenchao Shen, Dr. Qianyu Zhou, Dr. Lanzhi Qin

12pm **SKT 1.B (30 minutes) -  
1.B Open Session on Carbonates & Bioconstructions**

*ROOM Aula Magna*

Chaired by: Dr. Laura Tomassetti and Dr. Stephen Lokier

12pm **Marine cementation in Quaternary reefs: a quantitative approach**

» Prof. Eberhard Gischler

12pm **10.B Sediment Management: from science to practice**

*ROOM Blue2*

Chaired by: Dr. Sergio Cappucci and Prof. Edward Anthony and Prof. Victor N. de Jonge and Prof. Giorgio Fontolan and Dr. Paolo Lupino and Enzo Pranzini

12pm **The shoreface- the missing link in coastal sediment management?**

» Ms. Klervi Hamon-Kerivel, Prof. Derek Jackson, Dr. Mouncef Sedrati, Prof. Andrew Cooper, Dr. Emilia Guisado Pintado

12:15pm **Managing sand flux on a destabilized beach subject to aperiodic mud influence from the Amazon**

» Mrs. Morgane Jolivet, Prof. Edward Anthony, Dr. Antoine Gardel

12:30pm **LUNCH (12:30pm -13:30pm)**

1:30pm **10.A Anthropocene: a rising and critical issue in Earth Science and Society**

*ROOM 8 ESD*

Chaired by: Dr. Sergio Cappucci and Prof. Vincenzo Pascucci and Martin Gibling

1:30pm **The timing of key events in the human modification of rivers since the latest Pleistocene**

» Dr. Martin Gibling

1:45pm **Deducing human impact on the environment via sedimentary DNA information from lake Tiefer See NE Germany**

» Mr. Ebuka Nwosu, Prof. Achim Brauer, Prof. Dirk Wagner, Prof. Susanne Liebner

2pm **The "bomb-peak" of the 1960's recognized in a thermal-spring-related „indoor"-travertine of Budapest**

» Ms. Magdolna Virág, Prof. Andrea Mindszenty, Dr. Mihály Molnár, Dr. Mihály Braun

2:15pm **Integrated sedimentological and geochemical approach for the reconstruction of anthropogenic impact in the Augusta Harbor**

» Dr. Elena Romano, Dr. Luisa Bergamin, Prof. Ian W. Croudace, Dr. Antonella Ausili

2:30pm **Cost allocation among polluters: a legal and forensic analysis**

» Prof. Federico Peres, Dr. Philip Spadaro, Dr. Dennis Farley

2:45pm **Anthropogenic Beaches Systems**

» Prof. Vincenzo Pascucci, Dr. Sergio Cappucci, Dr. Daniele Sechi, Mrs. Giulia Cossu, Dr. Mario De Luca, Dr. Antonio Santonastaso, Prof. Stefano Andreucci

1:30pm **5.D New advances in Lacustrine sedimentology**

*ROOM 1 ESD*

Chaired by: Pingsheng Wei and Dr. Huaqing Liu and Dr. Shuxin Pan and Carlos Zavala

1:30pm **A retrograding shallow-water delta of the Cretaceous Quantou Formation in Sanzhao depression, Songliao basin, NE China**

» Prof. Mingyi Hu, Mrs. Yihui Wu, Dr. Qingjie Deng

1:45pm **Main Controlling factors on Carbonate Shale Reservoir Relative to Hydrothermal Origin in Yin'e Basin, China**

» Mrs. Li Huiqiong, Mr. Pu Renhai, Mr. Hao Shiyan, Mr. Ren Laiyi

Continued from **Tuesday, 10 September**

2pm **Gravity flow identification characteristics and depositional model in lacustrine basin**

» [Mr. Zhenpeng Li](#)

2:15pm **Types of shale oil reservoirs and their petroleum geological significance in the continental lake basin—a case study of kong 2 member in Cangdong sag, Bohai Bay Basin, China**

» [Mr. Zhannan Shi](#), Dr. Xiugang Pu, Mr. Wenzhong Han

2:30pm **Sediments Response to Tectonic Event, Middle late Triassic, Ordos basin**

» [Mrs. Xiuqin Deng](#)

2:45pm **Oligocene syn-rift sequence stratigraphy and depositional environments of the northern Song Hong Basin, Vietnam**

» [Mr. Anh Nguyen Tuan](#), Dr. Viet Dung Bui, Dr. Michael Fyhn

1:30pm **6.A Stratigraphic controls on the geochemical and fossil record**  
*ROOM 11 ESD*

Chaired by: Dr. Silvia Danise and Dr. Emilia Jarochovska and Dr. Rute Coimbra

1:30pm **Paleoenvironmental signals vs. noise in shell-archives: diagenetic screening tools for any geochemical dataset?**

» [Dr. Rute Coimbra](#), Dr. Stefan Huck, Dr. Niels de Winter, Prof. Ulrich Heimhofer, Dr. Philippe Claeys

1:45pm **Stratigraphic paleobiology of Silurian conodonts - an event for every occasion**

» [Dr. Emilia Jarochovska](#)

1:30pm **SKT 11.A (30 minutes) - 11.A Sedimentological, stratigraphic and geomorphic record of the evolution of the Tethys ocean related basins**

*ROOM Galasso*

Chaired by: Dr. Alham Al-langawi and Dr. Mohammed Al-Masrahy and Hanadi Aldoukhi

1:30pm **Stratigraphic Pinch-outs in Tithonian Deep Marine Calciturbidites, Saudi Arabia**

» [Dr. Saad Al-Awwad](#), Dr. Ahmad Al-Ghamdi, Dr. Abdullah Al-Dhubaib

1:30pm **1.B Open Session on Carbonates & Bioconstructions**

*ROOM Aula Magna*

Chaired by: Dr. Laura Tomassetti and Dr. Stephen Lokier

1:30pm **Integrated chemostratigraphy of a Late Jurassic reef complex (Jura Mountains, France)**

» [Dr. Simon Courgeon](#), Dr. Yasin Makhloufi, Dr. Michel Meyer, Dr. Elias Samankassou

1:45pm **Upper Cretaceous rudist carbonate ramp facies in the SE Anatolia, Turkey: a comparison with the Arabian platform facies**

» [Prof. Sacit Ozer](#), Prof. Ismail Omer Yilmaz, Mr. Oguz Mulayim, Prof. Bilal Sari, Dr. Izzet Hoşgör, Prof. Kemal Tasli

2pm **Dolomite problems: are microbes and viruses the answer?**

» [Prof. Maurice Tucker](#)

2:15pm **Coral-stromatoporoid patch reefs in latest Cretaceous to earliest Paleocene platform carbonates, the Island of Brač (Croatia)**

» [Dr. Maja Martinuš](#), Prof. Blanka Cvetko Tešović, Dr. Igor Vlahović

2:30pm **Episodes of oceanic plateau collision revealed by carbonate events**

» [Dr. Goran Andjic](#), Prof. Peter Oliver Baumgartner, Dr. Claudia Baumgartner-Mora

Continued from **Tuesday, 10 September**

2:45pm **The Miocene forebulge unconformity in central-southern Apennines: a sedimentological and stratigraphic study**  
 » [Ms. Monia Sabbatino](#), Dr. Lorenzo Consorti, Prof. Stefano Vitale, Prof. Stefano Tavani, Dr. Amerigo Corradetti, Prof. Mariano Parente

1:30pm **2.C Aeolian sediments and coastal systems**  
*ROOM Odeion*  
 Chaired by: Dr. Lars B Clemmensen and Prof. Kenneth Pye

1:30pm **Creating a desert: sediment generation patterns, fluvial-aeolian interaction and relentless aeolian activity in the Namib Sand Sea (Namibia) over the last 11 Ma.**  
 » [Dr. Luca Caracciolo](#), Prof. Harald Stollhofen, Prof. Eduardo Garzanti, Prof. Pieter Vermeesch, Dr. Mara Limonta, Ms. Diana Hatzenbühler, Mrs. Amelie Feder, Prof. Michael Joachimiski

1:45pm **At the junction of sheet-flood terminus, aeolian dune-fields and endorheic lake-margin: Rotliegend lithofacies revisited**  
 » [Dr. Rick Donselaar](#)

2pm **Investigating the mid-Holocene wind climate on San Salvador, The Bahamas using an Aeolian Surface Model**  
 » [Ms. Kathleen Wilson](#), Dr. David Mohrig, Dr. Travis Swanson, Dr. Charles Kerans

2:15pm **Storminess and coastal dune development in northern Norway during the Holocene**  
 » [Dr. Pål Ringkjøb Nielsen](#), Prof. Svein Olaf Dahl, Ms. Ingvild Prestegård, Mr. Geir Gudmestad, Dr. Kristian Vasskog

2:30pm **Large-scale aeolian sand movement at the west coast of Denmark and the 4.2 ka event**  
 » [Dr. Lars B Clemmensen](#)

2:45pm **Effects of sea level and wave climate change on an estuary-mouth coastal dune systems: Coul Links and Littleferry Links, NE Scotland**  
 » [Prof. Kenneth Pye](#)

1:30pm **7.1 Open session of sedimentological studies**  
*ROOM Partenone*  
 Chaired by: Prof. Francesco Chiocci and Prof. Marco Brandano and Dr. Daniele Casalbore and Prof. Vincenzo Pascucci

1:30pm **Middle Ordovician Sedimentary Microfacies Analysis Based on FMI and Logging in Tahe Oilfield, Tarim Basin**  
 » [Ms. Hua Fan](#), Prof. Tailiang Fan, Prof. Zhiqian Gao, Ms. Yuan Huang, Mr. Yu Gu, Mr. Chen Li

1:45pm **Geological and geophysical surveys to reconstruct the subsoil model of Croix- des - Bouquets (Haiti)**  
 » Dr. Azzurra Lentini, Dr. Luca Maria Puzzilli, [Dr. Gabriele Leoni](#), Dr. Giovanni De Caterini, Dr. Angelo Coletti

2pm **The Ratio of Strontium to Barium of Sediments in the Yellow River Delta by Different Extraction Methods**  
 » [Prof. Aihua Wang](#), Prof. Siyuan Ye, Mr. JianKun Liu, Ms. Xigu Ding, Ms. Naicen Xu

2:15pm **The Quaternary Geology of Benevento (Southern Italy): depositional environments reconstruction for predicting local seismic response**  
 » [Prof. Maria Rosaria Senatore](#), Dr. Modestino Boscaino, Dr. Felice Pinto

2:30pm **Biogenic or diagenetic origin: insight from micron-sized spherulitic apatite in Mesoproterozoic black shales**  
 » [Dr. Xinjing Li](#), Prof. Shuichang Zhang, Dr. Xu Jin, Dr. Jianming Li, Mr. Hang Jiao, Ms. Xiaodan Liu, Dr. Xiaoqi Wang

Continued from **Tuesday, 10 September**

1:30pm **SKT 4.A (30 minutes) -  
4.A Deep-water channels: Morphology, architecture, flow processes  
and sedimentation**

ROOM Blue1

Chaired by: Dr. Chenglin Gong and Prof. Peter Talling and Dr. Michele Rebesco and Dr. Matthieu Cartigny and Maarten Heijnen

1:30pm **A unique channel-levee-lobe system in a modern deep-water  
carbonate slope (Great Bahama Bank)**

» [Dr. Emmanuelle Ducassou](#), Ms. Joanna Lapuyade, Dr. Melanie Principaud, Dr. Ludivine Chabaud, Dr. Vincent Hanquiez, Prof. Thierry Mulder

1:30pm **10.B Sediment Management:from science to practice**

ROOM Blue2

Chaired by: Dr. Sergio Cappucci and Prof. Edward Anthony and Prof. Victor N. de Jonge and Prof. Giorgio Fontolan and Dr. Paolo Lupino and Enzo Pranzini

1:30pm **Environmental monitoring of relict sand dredgings in the  
Mediterranean Sea**

» Dr. Daniela Paganelli, Dr. Paola La Valle, Dr. Barbara La Porta, Dr. Loretta Lattanzi, Dr. Monica Targusi, Dr. Alfredo Pazzini, Dr. Raffaele Proietti, [Dr. Paolo Lupino](#), Dr. Sergio Cappucci, Dr. Luisa Nicoletti

1:45pm **Harmonizing and sharing sedimentological data**

» [Dr. Matteo Conti](#), Dr. Loredana Battaglini, Dr. Silvana D'Angelo, Dr. Andrea Fiorentino

2pm **Nearshore/shallow marine sediments: "Some examples of  
nearshore sediment management along Adriatic beaches"**

» [Mr. Stefano Boscolo Cucco](#)

2:15pm **"Propositive and positive solutions for small dredging operations  
by Water Injection dredger"**

» [Mr. Jacques van der Salm](#)

2:30pm **Managing marine relict sand deposit under Public licence with  
systemic re-vision of coastal morphodynamics"**

» [Dr. Diego Paltrinieri](#)

2:45pm **High resolution remote sensing for the morphometric,  
granulometric and mineralogical characterization of marine  
sedimentary stocks**

» [Dr. Carlo Innocenti](#), Dr. Emiliana Valentini, Dr. Alessandra Nguyen Xuan, Prof. Andrea Taramelli

1:30pm **11.I Organic matter in palaeoenvironmental, palaeogeographical  
and hydrocarbon exploration research: progress and perspectives**

ROOM Blue3

Chaired by: Dr. Amalia Spina and Prof. Annette Goetz and Nicoletta Buratti

1:30pm **Thermal maturity and palynofacies assessment of Katian-  
Hirnatian strata from southern Estonia**

» [Mr. Andrea Sorci](#), Dr. Amalia Spina, Prof. Olle Hints, Prof. Geoffrey Clayton, Dr. Robbie Goodhue, Prof. Simonetta Cirilli, Prof. Sveva Corrado, Dr. Andrea Schito, Dr. Rosalba Padula

1:45pm **Toxic organic-rich sediments from the Ealy Cretaceous anoxic  
basin in the northeastern Peri-Tethys (Eastern Russian Platform)**

» [Prof. Svetlana Zorina](#), Mr. Konstantin Nikashin

2pm **The Cenomanian - Turonian Anoxic Event: geochemical  
constraints from a section of the Atlantic margin**

» [Dr. Greta Bonacina](#), Dr. Alessio Sanfilippo, Dr. Elisabetta Previde Massara, Dr. Paolo Scotti, Dr. Paolo Viaggi, Dr. Andrea Piva

2:15pm **Sedimentology and palynofacies of the Menilite Beds from Skole  
Unit (Outer Carpathians): implications for palaeoenvironmental  
reconstruction**

» [Ms. Anna Filipek](#), Dr. Leszek Jankowski, Prof. Anna Wysocka, Dr. Marcin Barski



Continued from **Tuesday, 10 September**

- 2pm **STK 6.A (30 minutes) -  
6.A Stratigraphic controls on the geochemical and fossil record**  
*ROOM 11 ESD*  
Chaired by: Dr. Silvia Danise and Dr. Emilia Jarochowska and Dr. Rute Coimbra
- 2pm **Interpreting the impact of local depositional controls on carbon isotope values from shallow marine carbonates**  
» [Dr. Amanda Oehlert](#), Dr. Peter Swart
- 2pm **11.A Sedimentological, stratigraphic and geomorphic record of the evolution of the Tethys ocean related basins**  
*ROOM Galasso*  
Chaired by: Dr. Alham Al-langawi and Dr. Mohammed Al-Masrahy and Hanadi Aldoukhi
- 2pm **Potential structural play within frontal part of Eastern Achara-Trialeti fold-and-thrust belt, Georgia**  
» [Mr. Onise Enukidze](#), Dr. Victor Alania, Dr. David Bluashvili
- 2:15pm **Sequence, facies and sedimentary evolution of Oligocene to Early-Miocene Ghar Formation, Southeast Iraq**  
» [Mr. Guosheng Qin](#), Dr. Youjing Wang, Ms. Xiao Du
- 2:30pm **Neogene-Quaternary evolution of the southern Calabria (southern Italy)**  
» [Dr. Vincenzo Tripodi](#), Dr. Francesco Muto, Prof. Francesco Perri, Prof. Salvatore Critelli
- 2:45pm **Volcanic dust dissolution and reservoir quality of upper Permian in Gaoqing area, Jiyang Depression**  
» [Mr. Yelei Wang](#), Dr. Qiu Longwei

- 2pm **4.A Deep-water channels: Morphology, architecture, flow processes and sedimentation**  
*ROOM Blue1*  
Chaired by: Dr. Chenglin Gong and Prof. Peter Talling and Dr. Michele Rebesco and Dr. Matthieu Cartigny and Maarten Heijnen
- 2pm **Architecture of submarine depression trails : pockmarks or upslope migrating sediment waves ?**  
» [Dr. David Iacopini](#), Dr. Daniele Maestrelli, Mrs. Rosa Garone, Prof. Vittorio Maselli, Prof. Ben Kneller, Dr. Domenico Chiarella, Prof. Luigi Jovane
- 2:15pm **Birth and growth of deep-sea turbidite channels in topographically complex slopes (Tyrrhenian Sea, Italy).**  
» [Dr. Giacomo Dalla Valle](#), Prof. Fabiano Gamberi
- 2:30pm **Sedimentology and Stratigraphic Architecture of Deep Marine Levee Deposits, Neoproterozoic Isaac Formation, Windermere Supergroup, Canada**  
» [Ms. Celeste Cunningham](#), Prof. William Arnott, Ms. Anika Bergen
- 2:45pm **Controls on architectural styles in tectonically-complex deep-water canyon-to-channel transitions: the Arro sandbody (Ainsa Basin, Spain)**  
» [Mr. Daniel Tek](#), Dr. Miquel Poyatos-Moré, Dr. Marco Patacci, Dr. Adam McArthur, Dr. Luca Colombera, Prof. William McCaffrey
- 2:30pm **6.A Stratigraphic controls on the geochemical and fossil record**  
*ROOM 11 ESD*  
Chaired by: Dr. Silvia Danise and Dr. Emilia Jarochowska and Dr. Rute Coimbra
- 2:30pm **The carbonate ramps' record potential of C-cycle perturbations: The upper Miocene Central Mediterranean case study**  
» [Dr. Irene Cornacchia](#), Prof. Axel Munnecke, Prof. Marco Brandano
- 2:45pm **High resolution correlation of the Homeric carbon isotope excursion (Silurian) across the Midland Platform, UK**  
» [Dr. David Ray](#), Dr. Emilia Jarochowska, Mr. Philipp Röstel, Mr. Graham Worton, Prof. Axel Munnecke, Dr. James Wheeley, Dr. Ian Boomer

Continued from **Tuesday, 10 September**

2:30pm **SKT 11.I (30 minutes) -  
11.I Organic matter in palaeoenvironmental, palaeogeographical  
and hydrocarbon exploration research: progress and perspectives**

ROOM Blue3

Chaired by: Dr. Amalia Spina and Prof. Annette Goetz and Nicoletta Buratti

2:30pm **Mechanisms and spatiotemporal variations of Late Cretaceous  
organic matter deposition on the Arabian Shelf**

» [Dr. Dominik Hennhofer](#), Ms. Emina Helja, Dr. Aisha Al Suwaidi, Dr. Thomas Steuber

3pm **COFFEE BREAK (3:00pm - 3:30pm)**

3:30pm **10.A Anthropocene: a rising and critical issue in Earth Science and  
Society**

ROOM 8 ESD

Chaired by: Prof. Vincenzo Pascucci and Martin Gibling and Dr. Sergio Cappucci

3:30pm **Massive benthic litter funnelled to deep sea by flash-flood  
generated hyperpycnal flows**

» [Dr. Martina Pierdomenico](#), Dr. Daniele Casalbore, Prof. Francesco Chiocci

3:45pm **Heavy Metal Pollution of Sediments along the Bioturbation Zone  
of Southern Laguna Lake, Philippines**

» [Mr. Bertrand Aldous Santillan](#), Dr. Decibel Eslava, Prof. Maria Victoria Espaldon

3:30pm **5.D New advances in Lacustrine sedimentology**

ROOM 1 ESD

Chaired by: Pingsheng Wei and Dr. Huaqing Liu and Dr. Shuxin Pan and Carlos Zavala

3:30pm **Lithofacies, cyclicity and sedimentary models of a lacustrine  
microbialite system in the Paleocene Ganchaigou Formation of  
Qaidam Basin (NW China)**

» [Mr. Zhanguo Liu](#), Mr. Zhiyuan Xia, Mr. Guangyong Song

3:45pm **Lithological characteristics and evolution model of an alkaline-  
lacustrine: a case study of Lower Permian Fengcheng Formation  
in Junggar Basin**

» [Dr. Zhijie Zhang](#), Mr. Xuanjun Yuan, Ms. Mengshi Wang, Mr. Chuanmin Zhou

4pm **Oil-bearing Heterogeneity and Threshold of Tight Sandstone  
Reservoirs: A Case Study on Triassic Chang7 Member, Ordos Basin**

» [Dr. Jingwei Cui](#), Prof. Rukai Zhu

4:15pm **Development Model of Secondary Pores in Tight Glutenite  
Reservoir**

» [Mr. Ma Yongping](#)

3:30pm **6.A Stratigraphic controls on the geochemical and fossil record**

ROOM 11 ESD

Chaired by: Dr. Silvia Danise and Dr. Emilia Jarochovska and Dr. Rute Coimbra

3:30pm **Latest Pliensbachian-Toarcian Eustatic Calibration Using Shallow-  
marine Sedimentological Record Coupled with Basinal Multi-proxy  
Geochemical Analyzes**

» [Dr. Francois-Nicolas Krencker](#), Prof. Stéphane Bodin

3:45pm **Marine benthic community change along an onshore-offshore  
transect during the early Toarcian extinction event (Iberian  
Range, Spain)**

» [Dr. Silvia Danise](#), Dr. Marie-Emilie Clémence, Prof. Gregory D. Price, Dr. Daniel P. Murphy, Prof. Juan J. Gómez, Prof. Richard J. Twitchett

4pm **Towards a better understanding of the Aalenian (Middle Jurassic)  
palaeoenvironmental changes**

» [Dr. Alicia Fantasia](#), Prof. Thierry Adatte, Dr. Jorge E. Spangenberg, Prof. Nicolas Thibault, Dr. Enrique Bernárdez, Prof. Stéphane Bodin



Continued from **Tuesday, 10 September**

4:15pm **Upper Berriasian carbon isotope curve from the Tethyan pelagic sections: relations to organic productivity and sea-level variations?**  
 » [Dr. Jacek Grabowski](#), Dr. Hubert Wierzbowski, Mr. Damian Lodowski, Dr. Patrycja Wojcik-Tabol, Mr. Artur Teodorski

4:30pm **Paleo-dendrochronology of a Triassic Polar Forest in Allan Hills (Antarctica)**  
 » [Ms. Valentina Corti](#), Prof. Erik Gulbranson, Prof. Gianluca Cornamusini, Prof. Franco Maria Talarico

4:45pm **Cyclostratigraphy of Middle Triassic (Anisian) ramp deposits, NW Bulgaria**  
 » [Dr. George Ajdanlijsky](#), Prof. André Strasser, Prof. Annette Goetz

3:30pm **SKT 11.L (30 minutes) - 11.L Methane-rich fluid expulsion processes and their signatures in marine sediments**  
*ROOM Galasso*  
 Chaired by: Prof. Daniela Fontana and Dr. Jochen Knies and Dr. Giuliana Panieri and Prof. Rossella Capozzi

3:30pm **Depositional controls of seafloor gas seepage in the Southeastern Levant**  
 » [Dr. Yizhaq Makovsky](#), Dr. Or M. Bialik

3:30pm **1.B Open Session on Carbonates & Bioconstructions**  
*ROOM Aula Magna*  
 Chaired by: Dr. Laura Tomassetti and Dr. Stephen Lokier

3:30pm **The influence of climatic variability on the long-term growth history of a Mediterranean cold-water coral mound (Melilla Mound Field)**  
 » [Mr. Robin Fentimen](#), Ms. Eline Feenstra, Dr. Andres Rüggeberg, Mr. Efraim Hall, Mr. Valentin Rime, Prof. Torsten Vennemann, Prof. Antonietta Rosso, Prof. Thierry Adate, Prof. David Van Rooij, Dr. Hendrik Vogel, Dr. Andres Schröder-Ritzrau, Mr. Thomas Krengel, Dr. Silvia Spezzaferri, Prof. Anneleen Foubert

3:45pm **The Features and Genesis of Lower Cambrian pre-salt Microbial Dolomite Reservoir in Tarim Basin, NW China**  
 » [Mr. Jianfeng Zheng](#), Prof. Anjiang Shen, Mr. Lili Huang, Prof. Wenqing Pan, Mr. Zhanfeng Qiao

4pm **Sedimentary evolution in a shallow carbonate ramp (Kimmeridgian, NE Spain): factors controlling facies heterogeneities**  
 » [Mrs. Cristina Sequero](#), Prof. Marcos Aurell, Dr. Beatriz Bádenas

4:15pm **Structural control and evolution of a giant carbonate canyon (Great Abaco Canyon, Bahamas)**  
 » [Ms. Audrey Recouvreur](#), Prof. Thierry Mulder, Dr. Hervé Gillet, Dr. Thibault Cavailles, Prof. Jean Borgomano

4:30pm **Carbonate depositional patterns in an active rift basin: case study of the Danakil depression (Afar, Ethiopia).**  
 » [Mr. Haileyesus Negga](#), Mr. Valentin Rime, Ms. Addis Hailu, Dr. David Jaramillo-Vogel, Mr. Jean-Charles Schaegis, Mr. Ermias Filfilu, Prof. Juan Carlos Juan Carlos Braga, Dr. Balemwal Atnafu, Prof. Tesfaye Kidane, Prof. Anneleen Foubert

4:45pm **Modelling the growth of Sabellaria spinulosa bioconstruction in test tank**  
 » [Dr. Stefania Lisco](#), Dr. Daniela Mele, Prof. Massimo Moretti, Dr. Tamara Lazic, Dr. Cataldo Pierri, Dr. Frine Cardone, Prof. Giuseppe Corriero

3:30pm **2.C Aeolian sediments and coastal systems**  
*ROOM Odeion*  
 Chaired by: Dr. Lars B Clemmensen and Prof. Kenneth Pye

Continued from **Tuesday, 10 September**

3:30pm **Aeolian transgressive processes of a parabolic dune, Piscinas (Arbus, Southwestern coast of Sardinia, Italy)**

» [Dr. Giulia Casagrande](#), Dr. Annelore Bezzi, Dr. Davide Martinucci, Dr. Simone Pillon, Prof. Giorgio Fontolan

3:45pm **Bounding surfaces in a barchan dune: Annual cycles of deposition? Seasonality or erosion by superimposed bedforms?**

» [Prof. Charlie Bristow](#)

4pm **When the 'stoss' becomes the 'lee' and the 'lee' becomes the 'stoss': 3D airflow modelling over reversing transverse ridges, Mpekweni beach, South Africa**

» [Prof. Derek Jackson](#), Prof. Andrew Cooper, Dr. Andrew Green, Dr. Meiring Beyers, Dr. Errol Wiles, Mr. Keegan Benallack, Dr. Emilia Guisado Pintado

4:15pm **Tectonically driven Middle-late Quaternary sedimentation - The case of Sinis peninsula structural high (W Sardinia, Italy)**

» [Mrs. Giulia Cossu](#), Prof. Stefano Andreucci, Dr. Daniele Sechi, Dr. Mario De Luca, Dr. Antonio Santonastaso, Prof. Vincenzo Pascucci

3:30pm **7.L Open session of sedimentological studies short oral**

*ROOM Partenone*

Chaired by: Prof. Francesco Chiocci and Prof. Marco Brandano and Dr. Daniele Casalbore and Prof. Vincenzo Pascucci

3:30pm **Study on flow characteristic and enhanced oil recovery for CO2 flooding in the heterogeneous reservoir**

» [Dr. Yapeng Tian](#), Prof. Binshan Ju

3:34pm **Facies analysis and depositional architecture of the shallow-water delta in lacustrine basin: A case from Huanghekou Depression, Bohai Bay Basin, northern China**

» [Dr. Hao Shimeng](#)

3:38pm **Effect of clay-sand mixture on river bank morphology and erosion**

» [Mr. Vikas Kumar Das](#), Dr. Susanta Chaudhuri, Prof. Koustuv Debnath

3:42pm **An eogenetic karst in a brackish lacustrine peninsula geological setting**

» [Dr. Yang Yang](#), Mr. Jiang Zaixing, Mr. Liu Shengqian

3:46pm **Sediment characterization and dynamics in Lake Ifrah (Middle Atlas, Morocco)**

» [Prof. Issam Etebaai](#), Prof. Hanane Reddad, Dr. H el ene Miche, Prof. Hajar El Talibi, Prof. Saida Bouzid, Dr. Said El Moussaoui, Prof. Ali Rhoujjati, Prof. Hinde Cherkaoui Dekkaki, Prof. Brahim Damnati, Prof. Maurice Taieb

3:50pm **Favorable Lithofacies Characterization of Tight Sandstone Reservoir**

» [Dr. Junlong Liu](#), Dr. Dongsheng Sun, Dr. Zhongqun Liu

3:54pm **Classification based on sedimentary origin and distribution characteristics of interlayers in braided river reservoir, M oilfield**

» [Ms. Siyang Li](#)

3:58pm **Geochemical attributes in Lower-Ordovician dolostones from Tarim Basin: Implications for genesis of dolomite and porosity**

» [Mr. Zhang You](#), Prof. Shen Anjiang, Prof. Liang Ting, Dr. Zheng Xingping, Prof. Feng Zihui, Mr. Zhang Junlong, Mr. Wang Xiandong, Mr. Zhang Yajin, Mr. Zhu Mao, Mr. Shao Guanming

4:02pm **Reservoirs Characteristics and genesis in lagoon in the Mishirif Formation, M oilfield**

» [Dr. Fengfeng Li](#), Dr. Yichang Yu

3:30pm **4.A Deep-water channels: Morphology, architecture, flow processes and sedimentation**

*ROOM Blue1*

Chaired by: Dr. Chenglin Gong and Prof. Peter Talling and Dr. Michele Rebesco and Dr. Matthieu Cartigny and Maarten Heijnen

3:30pm **New Models for Flow Processes and Architecture in High Latitude Channel-Levee Systems: Examples from Greenland**

» [Ms. Charlotte Allen](#), Prof. Jeff Peakall, Prof. David Hodgson, Mr. Will Bradbury

Continued from **Tuesday, 10 September**

- 3:45pm **'Tabernas Solitary Channel' revisited: A new approaching on a classic field outcrop**  
» [Mr. Nicolás Castillo Ruano](#), Dr. Fernando García-García, Mr. Luis Miguel Yeste, Prof. César Viseras
- 4pm **Downslope facies and architectural variability of slope channel fills in prograding clinoforms, Mid-Jurassic Neuquén Basin, Argentina**  
» [Ms. Yugian Gan](#), Prof. Ronald Steel, Dr. Cornel Olariu, Mr. Flávio Norberto de Almeida Júnior
- 4:15pm **Large-scale morphological variations identified between submarine channel types**  
» [Ms. Franziska Palm](#), Prof. Jeff Peakall, Prof. David Hodgson
- 4:30pm **Submarine channel knickpoints characteristics and migration: A case study of Bute inlet, British Columbia, Canada**  
» [Ms. Ye Chen](#), Prof. Daniel Parsons, Dr. Matthieu Cartigny, Prof. John Hughes Clarke, Dr. Cooper Stacey, Ms. Sophie Hage, Prof. Peter Talling, Dr. Maria Azpiroz, Dr. Mike Clare, Mr. Jamie Hizzett, Dr. James Hunt, Dr. Gwyn Lintern, Dr. Esther Sumner, Dr. Age Vellinga, Ms. Daniela Vendettuoli, Dr. Stephen Simmons, Dr. Rebecca Williams
- 4:45pm **The Longevity of Submarine Channel Processes: Insights from an Ancient Channel-System Deposit, Nanaimo Group, Canada**  
» [Ms. Rebecca Englert](#), Dr. Stephen Hubbard, Dr. William Matthews, Mr. Daniel Coutts, Dr. Jacob Covault
- 3:30pm **SKT 3.A (30 minutes) - 3.A Interplays of hydrodynamic processes in shallow marine environments**  
*ROOM Blue2*  
Chaired by: Dr. Romain Vaucher and Marcello Gugliotta and Dr. Daniel Collins

- 3:30pm **Sedimentation in shallow-marine environments – a product of mixed-energy processes in four dimensions**  
» [Prof. Shahin Dashtgard](#)
- 3:30pm **11.I Organic matter in palaeoenvironmental, palaeogeographical and hydrocarbon exploration research: progress and perspectives**  
*ROOM Blue3*  
Chaired by: Dr. Amalia Spina and Prof. Annette Goetz and Nicoletta Buratti
- 3:30pm **Mesozoic paleo-geomorphology characteristics and tectonic setting in the Tabei Uplift Belt of the Tarim Basin**  
» [Dr. Gaokui Wu](#), Prof. Changsong Lin, Mr. Yongfu Liu, Prof. Jingyan Liu, Mr. Xianzhang Yang, Dr. Hao Li, Dr. Jun Jiang
- 3:45pm **New stratigraphic data from pre-Triassic successions in southern Tuscany (Italy) and their importance for palaeogeographic correlations**  
» [Dr. Amalia Spina](#), Prof. Andrea Brogi, Prof. Enrico Capezzuoli, Prof. Simonetta Cirilli, Prof. Domenico Liotta
- 4pm **Hydrocarbon inclusion evidence of petroleum accumulation in the Bozhong Sag, China**  
» [Mr. Guanhua Li](#), Prof. Yong Chen
- 4:15pm **Accumulation Pattern of Typical Condensate Gas Reservoirs in Eastern Amu Darya Right Bank**  
» [Mr. Yunpeng Shan](#)
- 4:30pm **Petroleum Play Assessment of the Paleogene-Neogene Sequence: A Case Study from the Upper Indus Basin Pakistan**  
» [Mr. Nisar Ahmed](#), Mr. Muhammad Arsalan Badar, Mr. Mubasher Ahmad, Dr. Pervez Khalid
- 4:45pm **Research on Formation Evolution and Influencing Factors of Organic Pores in Shale**  
» [Dr. Qiang Wang](#)

Continued from **Tuesday, 10 September**

- 4pm **SKT 10.A (30 minutes) -  
10.A Anthropocene: a rising and critical issue in Earth Science**  
*ROOM 8 ESD*  
Chaired by: Prof. Vincenzo Pascucci and Martin Gibling and Dr. Sergio Cappucci
- 4pm **The 2.6 ka event and the birth of modern coastal systems (NW Sardinia, Mediterranean Sea)**  
» [Prof. Stefano Andreucci](#), Dr. Daniele Sechi, Mrs. Giulia Cossu, Dr. Mario De Luca, Dr. Antonio Santonastaso, Prof. Vincenzo Pascucci
- 4pm **11.L Methane-rich fluid expulsion processes and their signatures in marine sediments**  
*ROOM Galasso*  
Chaired by: Prof. Daniela Fontana and Dr. Jochen Knies and Dr. Giuliana Panieri and Prof. Rossella Capozzi
- 4pm **Gas hydrates in the Nile deep-sea fan : a restricted BSR vs widespread fluid venting**  
» Dr. Daniel Praeg, [Dr. Daniel Praeg](#), Dr. Sébastien Migeon, Dr. Jean Mascle, Mr. Nigel Wardell, Prof. Vikram Unnithan, Prof. Marcelo Ketzner, Mr. Adolpho Augustin
- 4:15pm **Geochemical signatures of seepage activity in near-surface sediments of Kveithola trough (NW Barents Sea)**  
» [Mr. Matteo Bazzaro](#), Dr. Nives Ogrinc, Dr. Cinzia De Vittor, Dr. Michele Giani, Dr. Federica Relitti, Dr. Gianpiero Adami, Ms. Elena Pavoni, Dr. Renata Giulia Lucchi
- 4:30pm **Petrography and geochemistry of seep carbonates from the Barents Sea**  
» [Dr. T. Himmler](#), Dr. Tõnu Martma, Dr. Stefan Bünz, Dr. Giuliana Panieri, Dr. Jochen Knies, Dr. Aivo Lepland

- 4:45pm **Preservation of 34S-enriched sulfides in fossil sulfate-methane transition zones: new evidences from the Apennines (Italy)**  
» [Dr. Claudio Argentino](#), Prof. Joel Johnson, Prof. Stefano Conti, Dr. Chiara Fioroni, Prof. Daniela Fontana
- 4pm **3.A Interplays of hydrodynamic processes in shallow marine environments**  
*ROOM Blue2*  
Chaired by: Dr. Romain Vaucher and Marcello Gugliotta and Dr. Daniel Collins
- 4pm **Depositional models in foreland basins: the subalpine Miocene Molasse revisited (France)**  
» [Mr. Amir Kalifi](#), Dr. Philippe Sorrel, Dr. Philippe-Hervé Leloup, Dr. Vincenzo Spina, Dr. Albert Galy, Dr. Jean-loup Rubino, Dr. Bernard Pittet
- 4:15pm **Predicting shoreline depositional process regimes with insights from palaeotidal modelling**  
» [Dr. Daniel Collins](#), Dr. Alexandros Advis, Dr. Martin Wells, Prof. Peter Allison, Prof. Howard Johnson, Prof. Gary Hampson, Dr. Jon Hill, Dr. Christopher Dean, Prof. Matthew Piggott
- 4:30pm **Morphodynamics and sedimentology of the macrotidal river mouth of the Sittaung River Delta, Myanmar**  
» [Prof. Kyungsik Choi](#), Mr. Dohyeong Kim, Ms. Joohee Jo
- 4:45pm **Sequence stratigraphy of the mixed wave-tidal-dominated Mesoproterozoic sedimentary succession in Chapada Diamantina Basin, espinhaço supergroup- ne/Brazil**  
» [Prof. Ezequiel Galvão de Souza](#), Prof. Claiton M. S. Scherer, Mr. Adriano D. Reis, Ms. Manoela Bállico, Mr. João Pedro Ferronato, Mr. Carrel Kifumbi, Mr. Lucas Bofill
- 4:30pm **10.A Anthropocene: a rising and critical issue in Earth Science and Society**  
*ROOM 8 ESD*  
Chaired by: Prof. Vincenzo Pascucci and Martin Gibling and Dr. Sergio Cappucci

Continued from **Tuesday, 10 September**

- 4:30pm **Climate variabilities and human activities in northern Poland between 1000 B.C.E and 1500 C.E.**  
 » [Ms. Christin Lindemann](#), Dr. Florian Ott, Prof. Michał Słowiński, Dr. Markus J. Schwab, Dr. Rik Tjallingii, Dr. Birgit Plessen, Dr. Agnieszka M. Noryskiewicz, Prof. Mirosław Błaszczewicz, Prof. Achim Brauer
- 4:45pm **Scouring and Downstream Bed Deformation due to Obstruction of Stream Flow – an Experimental Study with Fine-grained Non-cohesive Sediment Bed**  
 » [Dr. Susanta Chaudhuri](#), Mr. Vikas Kumar Das, Prof. Koustuv Debnath
- 4:30pm **SKT 5.D (30 minutes) - 5.D New advances in Lacustrine sedimentology**  
 ROOM 1 ESD  
 Chaired by: Pingsheng Wei and Dr. Huaqing Liu and Dr. Shuxin Pan and Carlos Zavala
- 4:30pm **Hydrodynamics of lacustrine hyperpycnal flows: lessons from the Lower Cretaceous Rayoso Formation, Neuquén Basin, Argentina**  
 » [Prof. Carlos Zavala](#)
- 4:30pm **SKT 2.C (30 minutes) - 2.C Aeolian sediments and coastal systems**  
 ROOM Odeion  
 Chaired by: Dr. Lars B Clemmensen and Prof. Kenneth Pye
- 4:30pm **A 5,000 Year Record of Coastal Dune Evolution along the Eastern Shore of Lake Michigan in the North American Great Lakes: The Relationship of Geography, Lake-Level Fluctuations, and Sand Supply**  
 » [Dr. Alan Arbogast](#), Dr. William Lovis

5pm

**10.A Anthropocene: a rising and critical issue in Earth Science and Society**

ROOM 8 ESD

Chaired by: Prof. Vincenzo Pascucci and Martin Gibling and Dr. Sergio Cappucci

**Detection of Anthropogenic Features in Coastal areas**» [Dr. Emiliana Valentini](#), Dr. Alessandra Nguyen Xuan, Dr. Sergio Cappucci, Prof. Andrea Taramelli**Sediment transport processes in a mountainous river subaqueous delta and its response to human activities**» [Dr. Aijun Wang](#)**Reconstruction of hypoxia over the Holocene on the Black Sea shelf: sedimentological and palaeontological tracers**» [Ms. Alice Matossian](#), Ms. Sarah Robinet, Ms. Audrey Plante, Dr. Arthur Capet, Prof. Marilaure Grégoire, Prof. Lei Chou, Prof. Nathalie Fagel**MAREGOT Project: a methodology for the sedimentary coastal balance by IDRAIM protocol and software YES.**» [Dr. Salvatore Larosa](#), Dr. Giuseppe Cianflone, Dr. Rocco Dominici, Prof. Rosanna De Rosa, Dr. Carmine Vacca, Dr. Antonio Viscomi, Dr. Luca Mao, Dr. Elisabetta Benedetti, Dr. Domenico Caracciolo, Dr. Riccardo Dessi, Dr. Maria Luisa Fercia, Dr. Andrea Lai, Dr. Antonio Lavena, Dr. Roberto Lonis, Dr. Pinuccio Manca, Dr. Egidia Melis, Dr. Francesco Muntoni, Dr. Danila Patta, Dr. Giuseppe Pisanu, Dr. Giovanni Tilocca**Beached vegetal biomasses and marine litter management on beaches**» [Dr. Sergio Cappucci](#), Prof. Vincenzo Pascucci**Late Pleistocene – Holocene paleoenvironments in the Garigliano Plain (Latium-Campania): natural and anthropogenic forcing**» Dr. Giuseppe Aiello, Dr. Vincenzo Amato, Prof. Pietro Aucelli, Prof. Diana Barra, Mr. Giuseppe Corrado, Mr. Mario De Iorio, Dr. Paola Di Leo, [Mrs. Halinka Di Lorenzo](#), Prof. Gerardo Pappone, Prof. Paola Petrosino, Ms. Roberta Parisi, Dr. Elda Russo Ermolli, Prof. Marcello Schiattarella

Continued from **Tuesday, 10 September**

5pm

**5.D New advances in Lacustrine sedimentology***Museo di Arte Classica*

Chaired by: Dr. Amalia Spina and Prof. Annette Goetz and Nicoletta Buratti

**Paleogeomorphology and gravity flow characteristics of Y formation of cretaceous in northern ZY area, O basin, China**» [Mr. Cui Longtao](#)**Lake- type controls on sedimentary infill and petroleum source rocks in the Paleogene Fushan Depression, Beibuwan Basin, South China**» [Dr. Siding Jin](#)**Quantitative Approach for Sedimentation Rate Estimation Based on Milankovitch Cycle**» [Mr. Wei Xu](#), Mr. Yingchun Zhang, Mr. Jun Liu, Mr. Lei Fang, Ms. Jingyun Zou**Geostatistic recognition of genetically distinct shale facies in Triassic Chang 7 section, the Ordos Basin, North China**» [Dr. Senhu Lin](#)**he discovery and significance of two kinds of effective reservoirs in the the lacustrine facies of a saline lacustrine basin**» [Mr. Yajun Shi](#)**Sedimentary characteristics of very fine grained shallow-water meandering river deltas in the Daihai lake**» [Mr. Wei Du](#), Prof. Youliang Ji, Mr. Yuqi Zhou, Mr. Hao Wu, Ms. Zhang Yue, Prof. Yong Zhou, Ms. Yilou Zhang**Genetic mechanism of floating mudstone clasts, clumps and mud-coated intraclasts within sand-debris-flow sandstones**» [Dr. Jianbo Liao](#), Dr. Huaqing Liu, Mrs. Sujuan Liang**Formation and Distribution of Fine-grained Rock Reservoir in Saline Lake Facies -A Case Study of Neogene in Northwest Qaidam Basin**» [Mr. Zhiyuan Xia](#)**Study on Sedimentary Characteristics and Sandbody Distribution of the Jurassic in the Southern Margin of Junggar Basin**» [Mr. Xueqiang Si](#), Mr. Yang Xu, Mr. Huajun Guo, Mr. Bo Yuan, Mr. Nenggui Chen, Mr. Jinlong Shen**Architectural characters of the finger-bar in lacustrine shoal-water delta: Example from Triassic Yanchang Formation of Maling oil field in the Ordos Basin, China**» [Dr. Ke Zhang](#), Prof. Shenghe Wu, Mr. Zheng Yang**Controls on rift-related sequence and sedimentary evolution of Guaizihu faulted depression, Yin-E Basin, China**» [Mr. Yunchao Hou](#), Prof. Tailiang Fan, Prof. Hongyu Wang**Sublacustrine landslides and implications for hydrocarbon exploration**» [Dr. Shuxin Pan](#)**Study on the Development and Preservation of Lacustrine Beach and Bar Based on the Modern Sedimentary Characteristics of Qinghai Lake**» [Ms. Jing Wang](#), Mr. Xiangbo Li**Genesis types of tight sandstones in Zhahaquan area, Qaidam Basin**» [Mr. Gong Qingshun](#), Mr. Zhanguo Liu**Sedimentary characteristics of hyperpycnal flows in a small continental faulted basin**» [Mrs. Sujuan Liang](#), Dr. Shuxin Pan, Ms. Caiyan Liu**Lithofacies and depositional environments of nonmarine fine-grained sediments in Sichuan Basin, SW China**» [Dr. Xinyao Wang](#), Prof. Zhenkui Jin, Dr. Jianhua Zhao, Prof. Yixiu Zhu, Ms. Shuo Li, Ms. Shuting Shi



Continued from **Tuesday, 10 September**

**The sand body characteristic and sedimentary model of beach & dam under the control of underwater low-amplitude uplift in lacustrine: Taking Shushanhe Formation of the Cretaceous in the northwest Tarim Basin as an example**

» [Mr. Liu Chun](#)

5pm

**6.A Stratigraphic controls on the geochemical and fossil record**

*Museo di Arte Classica*

Chaired by: Dr. Silvia Danise and Dr. Emilia Jarochowska and Dr. Rute Coimbra

**Integrated sedimentological, mineralogical, and geochemical approach to reconstructing Ediacaran environments – an example from the East European Craton**

» [Mr. Karol Jewuła](#), Dr. Artur Kędzior, Prof. Jan Śródoń

**High resolution sequence stratigraphic characteristics of the formation, Tarim basin**

» [Ms. Chun Yuan](#), Prof. Zhang Huiliang

**Magnetic susceptibility, gamma spectroscopy and carbon-isotope record of Lower–Middle Jurassic pelagic carbonates (Carpathians, Poland).**

» [Ms. Jolanta Iwanczuk](#)

**Cyclostratigraphic analysis of the laminated limestones of the Early Cretaceous Crato Member; Santana formation, Araripe Basin**

» [Mr. João Marcos Pereira Gomes](#), Prof. Aristóteles de Moraes Rios Netto, Mr. Bruno Cesar Araújo, Mr. Flávio Norberto de Almeida Júnior, Dr. Ismar Carvalho, Dr. Leonardo Borghi, Mr. Luís Fernando Silveira da Silva

**Environmental and faunal changes in the Jurassic Sundance Seaway, western United States: integrating geochemical and fossil data.**

» [Dr. Silvia Danise](#), Prof. Steven Holland, Prof. Gregory D. Price

**Isotope and elemental evidence from archosaurian eggshells (Lourinhã Formation, Late Jurassic): new solutions or new problems?**

» [Dr. Rute Coimbra](#), Dr. Miguel Moreno-Azanza, Dr. Octávio Mateus

**Faunal affinities of the Late Cretaceous 'aphroditid' venerid bivalve assemblages and dispersal pathways around Tethyan margins**

» [Dr. İzzet Hoşgör](#), Prof. Ismail Omer Yilmaz, Prof. Sacit Ozer, Mr. Oguz Mulayim, Prof. Bilal Sari, Prof. Kemal Tasli

5pm

**11.A Sedimentological, stratigraphic and geomorphic record of the evolution of the Tethys ocean related basins**

*Museo di Arte Classica*

Chaired by: Dr. Alham Al-langawi and Dr. Mohammed Al-Masrahy and Hanadi Aldoukhi

**Gas Saturated Sediments and their Expressions in the Black Sea**

» [Dr. Marilena Calarco](#), Dr. Francesca Zolezzi

**Mesozoic tectonic evolution and stretching of the Briançonnais**

» [Ms. Martina Forzese](#), Prof. Robert W.H. Butler, Prof. Randell Stephenson

**Burial dolomitization of the Shuaiba Formation (lower Cretaceous) in Kuwait**

» [Dr. Alham Al-langawi](#)

**Sedimentomorphological changes of Al-Rawdhatain basin, North Kuwait, using GIS techniques**

» [Ms. Nujood Mutlag](#), Dr. Adeeba Al-Hurban, Mr. Abdelaziz Mahamat

**Modern river sand petrology of the Zagros Suture Zone and the Late Miocene formations northern Iraq**

» [Dr. Ahmed Obaid](#), Prof. Mark Allen



Continued from **Tuesday, 10 September**

**Middle Jurassic-Early Cretaceous tectono-sedimentary evolution of the South-Iberian Basin (Spain): major paleogeographic changes related to rifting activity**

» [Prof. Marcos Aurell](#), Dr. Beatriz Bádenas, Dr. Javier Elez, Dr. Marian Fregenal-Martínez, Dr. Nieves Meléndez, Dr. Belén Muñoz-García

**Regional unconformity and paleocave reservoir development in carbonate strata: a case study of the Maokou Formation, southern Sichuan Basin, China**

» [Mr. Dancheng Zhu](#), Prof. Huayao Zou

**Petrographic characterization and genesis of the phosphates present in the Oliní Group of the Quebrada Bambucá Section, Colombia**

» [Ms. Sofia Mantilla Salas](#), Dr. Carlos Sánchez-Quiñónez

**Evolution of Platforms and Its Impacts on Reservoirs: A Case Study in Tadong, NW China**

» Prof. Shen Anjiang, [Mr. Zhang You](#), Dr. Zheng Xingping, Prof. Liang Ting, Dr. Zhu Kedan, Prof. Feng Zihui, Mr. Zhu Mao, Mr. Shao Guanming, Dr. Zhang Shun

**Distribution of Recent Surface Deposits of Umm Al-Namil Island, In Kuwait Bay, Using GIS Techniques**

» [Mrs. Afrah Al-Mutairi](#), Dr. Adeeba Al-Hurban

5pm

**1.B Open Session on Carbonates & Bioconstructions**

*Museo di Arte Classica*

Chaired by: Dr. Laura Tomassetti and Dr. Stephen Lokier

**The Depositional Combination of Carbonate Shoals of Cambrian Longwangmiao Formation in Sichuan Basin and Its Control on Reservoir**

» [Mr. Weiqiang Yang](#), Prof. Huayao Zou

**Facies Architecture Diagenesis & Geochemistry of Jurassic Samanasuk Formation: Influence on Reservoir Quality, A Case Study from Kahi Section, Nizampur basin, NW Himalayas, Pakistan**

» [Mr. Emad khan](#), Ms. Maryam Saleem, Dr. Abbas Ali Naseem, Mr. Waqar Ahmad

**A test of Limacina Dissolution Index (LDX) as proxy for aragonite saturation of surface waters**

» [Ms. Hanaa Deik](#), Dr. Lars Reuning

**Carbonate sedimentary environments in the epicontinental Baltic Devonian basin: Pļaviņas Formation, Lower Frasnian**

» [Mr. Edgars Klievens](#), Dr. Sandijs Meskis, Dr. Girts Stinkulis

**Diagenetic analysis in limestones of the Upper Cretaceous, southwest of Rio Negro Province, Argentina**

» [Dr. Sergio Matheos](#), Dr. Lucia Gomez Peral, Dr. Maria Sol Raigemborn

**Characteristic and Genesis of Interlayer in Porous Carbonate Reservoir: Applied in Mishrif Formation of HF Oilfield in Middle East**

» [Mr. Wenju Sun](#)

**Depositional and diagenetic features of cherty limestones from the Calcare di Altamura Fm (Matera, southern Italy)**

» [Dr. Luigi Spalluto](#), Dr. Giacomo Eramo, Prof. Vincenzo Festa, Prof. Luisa Sabato, Prof. Marcello Tropeano

**Dolomitization in oligocene-miocene carbonate reservoirs (Middle East)**

» [Ms. Svetlana Idrisova](#), Dr. Marina Tugarova

**Evolution of Guangyuan-Liangping trough and its control on sedimentary facies During the Permian and Triassic in Northern Sichuan basin, South China**

» [Mr. Xingzhi Wang](#), Ms. Yaping Wang



Continued from **Tuesday, 10 September**

**Physical characters of the first mesophotic coral reef recognized in the Mediterranean Sea (Monopoli, Adriatic Sea, southern Italy)**

» [Dr. Stefania Lisco](#), Mr. Francesco De Giosa, Prof. Pasquale Acquafredda, Dr. Frine Cardone, Prof. Giuseppe Corriero, Dr. Cataldo Pierri, Dr. senem onen tarantini, Prof. Massimo Moretti

**Relationship between coral bleaching and marine micro-environments in coral reefs of the Ryukyu Islands.**

» [Prof. Hiroki Matsuda](#), Mr. Naoyuki Hirano

**Pleistocene shallow-marine fan-shaped bioclastic bodies of Apulia (southern Italy): outcrop analogue of carbonate deltas drift?**

» [Prof. Marcello Tropeano](#), Dr. Domenico Chiarella, Prof. Luis Pomar, Prof. Luisa Sabato, Dr. Luigi Spalluto, Dr. Salvatore Gallicchio, Prof. Sergio G. Longhitano, Dr. Guillem Mateu Vicens, Dr. Demetrio Meloni, Prof. Massimo Moretti

**Morphostructure of three carbonate mounds fields in the upper continental slope of the Alboran Sea**

» [Mrs. María Gómez-Ballesteros](#), Ms. Olga Sánchez Guillamón, Dr. Jose Luis Rueda, Dr. Javier Urra, Dr. Claudia Wienberg, Dr. Gemma Ercilla, Dr. Juan-Tomás Vázquez, Ms. Elena Moya-Urbano, Mr. Diego Martin Jimenez, Dr. Dierk Hebbeln, Dr. Luis Miguel Fernández-Salas, Mr. Marcell Farran, Prof. Belen Alonso

**Early lithification of marine sediments in the Abu Dhabi coastal system**

» [Dr. Chelsea Pederson](#), Prof. Adrian Immenhauser, Dr. Stephen Lokier, Mr. Yuzhu Ge

**Dolomitization processes in Lower Cretaceous sediments in the central sector of the Neuquén Basin, Argentina.**

» [Dr. Sergio Matheos](#)

**Prediction on Karst Reservoir: a Case on the Middle Permian, Southern Sichuan Basin, China**

» [Ms. Mengyi Ren](#)

**Platform architecture and facies variability of a Late Jurassic-Lower Cretaceous carbonate succession (Eastern Sardinia, Italy)**

» [Mr. Mattia Nembrini](#), Prof. Giovanna Della Porta, Prof. Fabrizio Berra

**A practical in situ approach for analysis of lead isotopes in biological carbonate matrices using LA-MC-ICP-MS**

» [Mr. Igor Pessoa](#), Dr. Mauro Gerales, Dr. Luzia Antonioli

**Diversification of productivity of the Oxfordian subtidal carbonate factory in the Holy Cross Mountains**

» [Ms. Radoslaw Staniszewski](#)

**Development and reservoir differences of mound-shoals in upper Ediacaran Dengying Formation, Sichuan Basin, China**

» [Mr. Caijun Lan](#), Mr. Zhehang Xu, Ms. Xiaolin Ma, Mr. Chao Hu, Mr. Haoru Chen, Prof. Huayao Zou

**Double  $\delta^{47}$  signal hidden inside the Maastrichtian Danish Chalk: SST and bottom waters**

» [Mr. Mattia Tagliavento](#), Dr. Cédric M. John, Prof. Lars Stemmerik

**Development of pelagic phase after drowned Arabian platform, SE Turkey**

» [Prof. Ismail Omer Yilmaz](#), Dr. Izzet Hoşgör, Mr. Oguz Mulayim, Prof. Sacit Ozer, Prof. Bilal Sari, Prof. Kemal Tasli

**Microbial dolomite model for the dolomite formation of the Middle Cambrian**

» [Prof. Xuelian You](#), Dr. Qing Li

**Dolomitization controlled by microbialites in the Carnian patch reefs (Dolomites, Italy)**

» [Dr. Adriano Guido](#), Prof. Franco Russo, Prof. Adelaide Mastandrea

**Biosignatures in Precambrian and Cambrian Carbonate Rich Sedimentary Sequences of Anti-Atlas, Morocco.**

» [Dr. Mihaela Glamoclija](#), Ms. Ashley Murphy, Prof. Kamal Taj-Eddine, Prof. Gian Gabriele Ori

Continued from **Tuesday, 10 September**

**Investigating Mechanism of Dolomitization based on Petrographic, Diagenetic & Geochemical Characteristics of Devonian Shogrom Formation Reshun section( Chitral Valley) Karakorum Ranges, Pakistan**

» [Maryam Saleem](#), Mr. Wasseem Sajjad, Dr. Abbas Ali Naseem, Mr. Emad Khan, Mr. Waqar Ahmad

**Lower Ordovician microbial reef in the middle Yangtze region of South China — stromatolite reef**

» [Dr. Zhenyu Song](#), Prof. Chuantao Xiao, Ms. Aiyang Yang

**Late Cretaceous and Paleogene paleokarsts of the northern sector of the Adriatic Carbonate Platform**

» [Dr. Bojan Otoničar](#)

5pm

**2.C Aeolian sediments and coastal systems**

*Museo di Arte Classica*

Chaired by: Dr. Lars B Clemmensen and Prof. Kenneth Pye

**Wind-pattern circulation as a palaeogeographic indicator: Case study of the 1.5–1.6 Ga Mangabeira Formation, São Francisco Craton, Northeast Brazil**

» Ms. Manoela Bállico, Prof. Claiton M. S. Scherer, Prof. Nigel P. Mountney, Prof. Ezequiel Galvão de Souza, Dr. Farid Chemale Junior, Mr. Sergei A. Psarevskiy, [Mr. Adriano D. Reis](#)

**Water table and biotic effects on Precambrian aeolian depositional systems in Brazil and India**

» [Prof. Giorgio Basilici](#), Dr. Francisco Abrantes Jr, Mr. Marcus Vinicius Soares, Mr. Richard Vasconez

**How last interglacial MIS5 beaches developed in the Central Mediterranean**

» [Dr. Daniele Sechi](#), Prof. Stefano Andreucci, Mrs. Giulia Cossu, Dr. Mario De Luca, Dr. Antonio Santonastaso, Prof. Vincenzo Pascucci

**The Chronology and Provenance of Pleistocene coarse-grained Sands on Krk Island (northern Adriatic Sea, Croatia)**

» [Dr. Lara Wacha](#), Prof. Marijan Kovačić, Dr. Igor Vlahović, Mr. Krešimir Petrinjak, Dr. Sumiko Tsukamoto, Prof. Davor Pavelić

**New sedimentological evidence for an eolian origin of the Upper Pleistocene U-shaped coastal ridges (i.e. “chevrons”) from the Bahamas**

» [Mr. Lucas Vimperc](#), Mr. Nicolò Del Piero, Mr. Nabil A. Shawwa, Mr. Karim Béguelin, Prof. Pascal Kindler, Prof. Sébastien Castelltort

**Late Pleistocene coastal deposits of south-western Formentera (Western Mediterranean): Chronology, landscape evolution and climatic variability**

» [Dr. Laura Del Valle Villalonga](#), Prof. Alida Timar-Gabor, Dr. Joan J. Fornós

**Development characteristics of northwest monsoon-controlled beach-bar sandstones in saline lake basin**

» [Mr. Yanqing Wang](#), Mr. Guangyong Song, Mr. Zhanguo Liu

**Texture of the sandy beaches of the Island of Santa Catarina, Santa Catarina, southeastern Brazil**

» [Prof. Norberto Olmiro Horn Filho](#)

**Architectural characteristics and sedimentary models of wave-dominated shore deposits —a case of “Donghe sandstones” in Tarim Basin**

» [Dr. Weilu Li](#), Prof. Huaimin Xu, Ms. Siyu Gao, Dr. Chaozhong Ning, Dr. Yichang Yu

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**7.L Open session of sedimentological studies**

*Museo di Arte Classica*

Chaired by: Prof. Francesco Chiocci and Prof. Marco Brandano and Dr. Daniele Casalbore and Prof. Vincenzo Pascucci

**Study of the Mid-Jurassic Msolwa Sedimentary Successions in Tanzania and the Influence upon the Geological Diversity of the Region**

» [Mr. Godfrey Mwendenusu](#)



Continued from **Tuesday, 10 September**

**Fluvial Sedimentary Characteristics and Facies Models in Sulige Gas Field of Ordos Basin, China**

» [Mr. Guanghuai He](#), Mr. Shuhui Wang, Mr. Feng Xiao, Mr. Tao Yin, Ms. Lanian Zheng, Dr. Zhongqiang Sun

**Storms, waves and gravity flows: mud dispersal across the Jurassic Cleveland Basin**

» [Mrs. Neveen Elsayed](#)

**Carbonate faciology in a coast dominated by waves - southern Brazil**

» [Mr. Paul Michael Nii Anang Okoe](#), Prof. Elirio E. Toldo Jr, Dr. Cristiano Fick, Prof. Eduardo Puhl

**Pore structure characteristics of the upper Palaeozoic Shanxi formation shale reservoir, Ordos Basin, China: Implications for the difference between continental and transitional shale.**

» [Dr. Xue Chunqi](#)

**SOME DETAILS OF LOWER MISSISSIPPIAN OIL-SATURATED BURIAL DOLOMITES FROM THE VOLGA-URAL BASIN, RUSSIA**

» [Dr. Anton Kolchugin](#), Prof. Adrian Immenhauser, Prof. Vladimir Morozov, Dr. Benjamin Walter, Dr. Aleksey Eskin, Dr. Eduard Korolev, Dr. Rolf Neuser

**Evaluation of burial mode and sandstone porosity in the Oligocene sandstone, East China Sea Basin**

» [Dr. Wenguang Wang](#), Prof. Chengyan Lin, Prof. Xianguo Zhang, Prof. Chunmei Dong, Prof. Lihua Ren, Dr. Jianli Lin

**Chloritization of Proterozoic glauconite within Rabanpalli Formation, Bhima Basin, India**

» [Dr. Udit Bansal](#), Prof. Santanu Banerjee, Prof. Raghavendra Nagendra

**Geochemical characteristics and provenance analysis of the Lao Huzui profile slump in Laiyang formation, Lingshan island**

» [Mr. Wang Yuzhe](#), Dr. Qiu Longwei, Dr. Yang Yongqiang

**Implication of low dielectric constant solutes and heterogeneous nucleation on abiotic sedimentary dolomite precipitation**

» [Mr. Yihang Fang](#), Prof. Huifang Xu

**Identification of diagenetic stage-diagenetic facies based on diagenesis process and reservoir porosity prediction: An example from Paleogene lake sediment sandstone in Bozhong Depression, China**

» [Mr. Qian Wendao](#), Prof. Yin Taiju, Prof. Changmin Zhang, Dr. Stuart Jones, Mr. Hou Guowei, Dr. He Miao

**The effect of salt on the evolution of subsalt sandstone reservoirs in Kuqa foreland basin, Western China**

» [Dr. Hai Wu](#)

**Characteristics of the Key Unconformities of the Palaeozoic Carbonates in Tazhong Area of Tarim Basin: Implications for Reservoir Development**

» [Ms. Yuan Hu](#), Prof. Zhiqian Gao, Prof. Tailiang Fan

**Quantitative Characterization of Sand Body In Milt-Hydrodynamic Depositional System In Silurian In Tarim Basin**

» [Mr. Xianlong Zhang](#)

**Wave Tectono-Sedimentary Processes during the Mesozoic and Its Implications**

» [Dr. Rui Zhang](#), Dr. Zhijun Jin, Dr. Quanyou Liu

**Redox structure and source rock potential of Vindhyan basin: Insights from its argillaceous intervals**

» [Dr. Arvind K Singh](#), Prof. Partha Chakraborty, Prof. Subir Sarkar

**Effect of rock fragments dissolution and its associated cementation on pore evolution in deltaic sandstones**

» [Prof. Zhong Dakang](#)

**Hydrodynamic behaviour of mollusc shell debris: influence of faunal composition**

» [Dr. Alissia Rieux](#), Dr. Pierre Weill, Dr. Dominique Mouazé, Prof. Bernadette Tessier



Continued from **Tuesday, 10 September**

**LA-ICP-MS detrital zircon U-Pb age of Mesoproterozoic in the Xiong'er rifting trough and its implications**

» [Prof. Shunshu Luo](#), Mr. Yan Zhang, Dr. Rong Dai, Prof. Zhenqi Wang, Dr. Qiqi Lyu, Mr. Yulong Guan, Mr. Qingan Zhou

**Evaluation of Ordovician Reservoir - Cap Assemblage in Awati Depression in Tarim Basin**

» [Mr. Nan Xue](#), Prof. Xiuxiang Lv

**Provenance of middle-late Mesozoic strata in the northeastern Ordos Basin: Implications for tectonic evolution of the Xingmeng orogenic belt**

» [Dr. Haiyang Cao](#), Prof. Mingcai Hou

**Actual and forecasted seawater vulnerability assessment via GALDIT-SUSI in the Variconi coastal area (Caserta, Italy)**

» [Dr. Gianluigi Busico](#), Dr. Nicolò Colombani, Prof. Micòl Mastrocicco

**Combination regularities of reef-beach and main controlling factors in Changxing-Feixianguan Formation of eastern Sichuan-northern Chongqing area**

» [Prof. Zhonggui Hu](#), Mr. Qingmin Dong, Ms. Jiuzhen Hu, Mr. Mingtao Zuo, Dr. Peng Qin

**Field observations, petrographic studies and geochemical analysis of multiphase dolomitization in the Samana Suk Formation (middle Jurassic), Himalayan Foreland Basin, North West Pakistan**

» [Mr. Hamad ur Rahim](#), Dr. Mumtaz M Shah, Dr. Mercè Corbella, Prof. Esteve Cardellach, Dr. Didac Navarro-Ciurana

**Telegram-bot as a powerful tool for a small repository of geological samples**

» [Dr. Dmitrii Borisov](#)

**A geotouristic trip walking around Quaternary gravelly deltas (Bradanic Trough, Southern Italy)**

» [Prof. Luisa Sabato](#), Prof. Marcello Tropeano

**Matera (southern Italy): the "European (geo-)Capital of Culture 2019"**

» [Prof. Marcello Tropeano](#), Prof. Vincenzo Festa, Prof. Luisa Sabato, Prof. Domenico Capolongo, Dr. Claudio Ivan Casciano, Dr. Domenico Chiarella, Dr. Salvatore Gallicchio, Prof. Sergio G. Longhitano, Prof. Massimo Moretti, Dr. Marco Petruzzelli, Dr. Luigi Spalluto

**STONE Pietre Egizie, a mobile application on ornamental stones of Museo Egizio of Torino**

» [Dr. Anna d'Atri](#), Prof. Alessandro Borghi, Dr. Francesca Gambino, Prof. Luca Martire, Dr. Gloria Vaggelli, Dr. Denise Valentino

**Geomorphology of landforms in metamorphic rocks formed by Cenozoic coal fires in northwestern China**

» [Mr. Bin Chen](#), Prof. Zhiqiang Shi

**Project introduction: Sedimentology, stratigraphy and structural architecture of the Plitvice Lakes National Park**

» [Prof. Borna Lužar-Oberiter](#), Prof. Uroš Barudžija, Prof. Bojan Matoš, Dr. Igor Vlahović, Dr. Maja Martinuš, Prof. Blanka Cvetko Tešović

**The Geoheritage inventory of the UNESCO Dolomites property (northern Italy): project and advances**

» [Dr. Marcello Caggiati](#), Prof. Piero Gianolla

**The geodiversity of Veneto region (Northern Italy) in a new inventory of geosites**

» [Prof. Nereo Preto](#), Dr. Delio Brentan, Prof. Alberto Carton, Dr. Giorgio Doria, Dr. Fabio Mattiuzzo, Dr. Maria Luisa Perissinotto, Dr. Enrico Schiavon, Dr. Umberto Trivelloni

**Pietra di Vicenza (lower Oligocene, northern Italy): proposal for designation as Global Heritage Stone Resource**

» [Prof. Nereo Preto](#), Prof. Marco Brandano, Mr. Paolo Cornale, Prof. Claudio Mazzoli, Ms. Elisa Milizia, Dr. Laura Tomassetti

**Valuation of Media Luna sector, Aipe, Colombia as geosite of geological heritage**

» Dr. Ingrid Natalia Muñoz Quijano, [Ms. Maria Fernanda Molina Otero](#), Mr. Yoan David Manrique Mendoza



Continued from **Tuesday, 10 September**

**Microclimate and microenvironmental cave settings as inferred by clastic sediments and their implications for archaeological investigations**

» [Dr. Ivan Martini](#), Prof. Annamaria Ronchitelli, Dr. Simona Arrighi, Dr. Giulia Capocchi, Mr. Stefano Ricci, Dr. Sem Scaramucci, Dr. Vincenzo Spagnolo, Prof. Paolo Gambassini, Prof. Adriana Moroni

**Provenance of black and white limestone tesseræ used in ancient mosaics in Slovenia**

» [Prof. Andrej Šmuc](#), Prof. Matej Dolenc, Mrs. Martina Lesar Kikelj, Mrs. Judita Lux, Mr. Miran Pflaum, Prof. Blaž Šeme, Mrs. Bernarda Županek, Prof. Luka Gale, Dr. Sabina Kramar

**Landslide-influenced fluviodeltaic successions in Trondheim city centre and effects on the prehistoric settlement, mid Norway**

» [Dr. Louise Hansen](#), Dr. Anna Petersén

**Depositional Environments and Climatic Events in the Mesopotamian Plain: the Sumerian Site of Abu Tbeirah**

» [Dr. Luca Forti](#), Dr. Alessandra Celant, Prof. Franco D'Agostino, Dr. Federico Di Rita, Prof. Donatella Magri, Dr. Ilaria Mazzini, Prof. Salvatore Milli, Dr. Daniel Tentori, Dr. Licia Romano

5pm

**4.A Deep-water channels: Morphology, architecture, flow processes and sedimentation**

*Museo di Arte Classica*

Chaired by: Dr. Chenglin Gong and Prof. Peter Talling and Dr. Michele Rebesco and Dr. Matthieu Cartigny and Maarten Heijnen

**How do turbidity and contour currents act together and jointly determine sedimentation in unidirectionally migrating deep-water channels?**

» [Dr. Chenglin Gong](#)

**Formative controls on dune-scale upstream-migrating bedforms in submarine channels**

» Dr. Age Vellinga, [Dr. Matthieu Cartigny](#), Dr. Mike Clare, Dr. Joris Eggenhuisen

**Channelized gravity current deposits in a post-rift downwarp basin: Insights from a Late Cretaceous sequence in the Songliao Basin, northeastern China**

» [Dr. Youliang Feng](#)

**Gas hydrate distribution influenced by sea floor slide and canyon erosion in the Shenhu area, South China Sea**

» [Prof. Xinghe Yu](#), Dr. Shunli Li, Dr. Chao Fu, Dr. Wang Jianzhong, Dr. Jinqiang Liang, Dr. Mingxuan Gao

**Glaciers, flows, and fans: origins of a Neoproterozoic diamictite in the Saratoga Hills, Death Valley, California**

» [Mr. Saeed Tofaif](#), Mr. Thomas Vandyk, Prof. Daniel Le Heron, Dr. John Melvin

**Dynamic coupling system of submarine canyon and hydrate in the Okinawa Trough**

» [Dr. Deyong Li](#)

**Sand dunes field characterization along a middle slope contourite channel in the Gulf of Cadiz**

» [Dr. Desirée Palomino](#), Dr. Luis Miguel Fernández-Salas, Dr. Nieves López-González, Prof. Francisco Javier Hernández-Molina, Mr. Pablo Lozano, Dr. Marga García, Dr. Ricardo Sanchez-Leal

**Architecture and genesis of the deep-water channel system in Miocene Zhujiang formation of Baiyun-Liwan sag**

» [Dr. Jihua Liao](#)

**Interactions between turbidity current dynamics and cyclic steps: a physical process-based numerical study**

» [Dr. Peng Hu](#), Ms. Yue Li, Dr. Chenglin Gong

**The evolutionary characteristics and the controlling factors of deep-sea fan in the Cretaceous passive continental margin in Northern Subbasin of Senegal Basin, Northwest Africa**

» [Prof. Hongyu Wang](#)



Continued from **Tuesday, 10 September**

**Gravity-Flow Deposits of the Late Ordovician in Tarim Basin, West China**

» [Prof. Changsong Lin](#), Dr. Haijun Yang

**Geomorphologic and infilling characterization of the slope-confined submarine canyons in Pearl River Mouth Basin, northern South China Sea: sediment routing system in continental margin**

» [Mr. Zhixuan Lin](#), Dr. Ming Su, Dr. Ce Wang, Dr. Yaping Lei, Mr. Boda Zhang

**Sedimentary and hydrodynamic process in the Capbreton canyon (Bay of Biscay): time-lapse morphobathymetry and interface cores faced with 490 days ADCP measurements**

» [Ms. Léa Guiastronnec-Faugas](#), Dr. Hervé Gillet, Dr. Ricardo Silva Jacinto, Dr. Bernard Dennielou, Mr. Grégoire Tkaczuk, Dr. Laure Simplet, Dr. Sabine Schmidt

**Submarine-canyon formation and evolution in a source-to-sink context**

» [Ms. Laura Bührig](#), Dr. Luca Colombera, Dr. Marco Patacci, Prof. Nigel P. Mountney, Prof. William McCaffrey

**The Santos Channel Depositional Evolution (Santos Basin, Brazil): Incision, Filling and Migration**

» Ms. Isadora Dutra, Ms. Bruna T. Pandolpho, Dr. Arthur A. Machado, Prof. Gilmar V. Bueno, [Dr. Adriano R. Viana](#), Prof. Michel M. Mahiques, Prof. Antonio F. H. Fetter Filho, Mr. Carlos E. Theodoro, Dr. Antonio Henrique F. Klein

**A Triassic turbidite outcrop at Jianza-Tongren Area in Qinghai Province, China: An example of lobe deposition in an axial basin**

» [Ms. Ma Hongxia](#), Mr. Bin Wang, Mr. Dali Shao, Mr. Wang Xuefeng, Mr. Liangbo Ding

**Sedimentary architecture and evolution of slope channel system and sequence stratigraphic framework**

» [Dr. Ming Ma](#), Prof. Changsong Lin, Dr. Jing Jiang, Dr. Ze Tao

**Crescentic-shaped bedforms in the Garrucha submarine Canyon: when canyon topography and density flows interplay**

» [Dr. Maria Azpiroz-Zabala](#), Dr. Nieves López-González, Dr. David Casas, Dr. Patricia Bárcenas Gascon, Prof. Belen Alonso, Dr. Gemma Ercilla, Dr. Pilar Mata, Dr. Desirée Palomino

**Bedforms in the la Linea Turbidite System (NW Alboran Sea)**

» [Dr. Desirée Palomino](#), Prof. Belen Alonso, Dr. Gemma Ercilla, Dr. David Casas, Dr. Nieves López-González, Dr. Maria Azpiroz-Zabala, Dr. Carmen Juan, Dr. Luis Miguel Fernández-Salas, Dr. Juan-Tomás Vázquez

**Deepwater Channel Characteristics and Hydrocarbon Accumulation in Zhongjian Area**

» [Mr. Zhili Yang](#), Mr. Bin Wang, Mrs. Li Li, Dr. Yintao Lu, Mr. Taotao Yang, Mr. Jingwu Wu

**Control of complex salt structures on channels and reservoir**

» [Mr. Chen Liang](#)

**Features and evolution of Miocene channel system around Xisha uplift in South China Sea**

» [Mrs. Li Li](#), Mr. Zhili Yang, Mr. Taotao Yang, Mr. Bin Wang, Dr. Yintao Lu, Mr. Jingwu Wu

**Deep-water channels and its architecture in lacustrine: a case study on subsurface oil reservoirs in the western Liaohe Basin, China**

» [Prof. Yu Sun](#), Prof. Baiquan Yan, Prof. Shizhong Ma, Dr. Lin Cong

**A new bedform phase diagram for density currents**

» [Mr. Koji Ohata](#), Ms. Isabel de Cala, Dr. Robert Dorrell, Dr. Hajime Naruse, Prof. William McCaffrey, Dr. Stuart McLelland

**Seismic Characterization of the Top Messinian Unit in North Eastern Levant Basin, Offshore Lebanon**

» [Mr. SM Mainul Kabir](#), Dr. David Iacopini, Prof. Adrian Hartley, Prof. Vittorio Maselli, Dr. Davide Oppo

Continued from **Tuesday, 10 September**

**Seismic anatomy of a mixed turbidite-contourite system in the northern region of the Campos Basin, Brazil**

» Ms. Bruna T. Pandolpho, Ms. Isadora Dutra, [Dr. Adriano R. Viana](#), Prof. Michel M. Mahiques, Prof. Gilmar V. Bueno, Dr. Arthur A. Machado, Dr. Cizia M. Hercos, Mr. Carlos E. Theodoro, Prof. Antonio F. H. Fetter Filho, Dr. Antonio Henrique F. Klein

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**10.B Sediment Management: from science to practice**

*Museo di Arte Classica*

Chaired by: Dr. Sergio Cappucci and Prof. Edward Anthony and Prof. Victor N. de Jonge and Prof. Giorgio Fontolan and Dr. Paolo Lupino and Enzo Pranzini

**Dredged Sediments Management: new paradigms of Italian Regulations**

» [Dr. Luciano Butti](#), Dr. Sergio Cappucci

**Modern fine-grained coastal sediments as alternative raw materials for the heavy clay industry - the SEDIBRIC project**

» [Dr. Thomas Gillot](#), Dr. Isabelle Cojan, Dr. Marie Anne Bruneaux

**Sediment budget analysis, critical issues and perspectives for a morphological restoration in a deficit lagoon**

» [Dr. Annelore Bezzi](#), Dr. Davide Martinucci, Dr. Simone Pillon, Dr. Stefano Sponza, Prof. Marco Petti, Dr. Silvia Bosa, Dr. Sara Pascolo, Dr. Antonella Triches, Dr. Mauro Cosolo, Prof. Giorgio Fontolan

**Genesis mechanism, characteristics and its sedimentology significance of different occurrence morphology of glauconite**

» [Dr. Qin Zhang](#), Dr. Xiaohan Mei, Prof. Xiaomin Zhu

**Sedimentation at river mouths bounded by coastal structures: case studies along the Emilia-Romagna coastline, Italy**

» Dr. Edoardo Grottoli, Ms. Silvia Cilli, [Prof. Paolo Ciavola](#), Dr. Clara Armaroli

**Use of grain size and mineralogy to understand the spatial distribution of surface sediments in the Khnifiss lagoon (Morocco)**

» [Mr. Ali Thoumi](#)

**A multidisciplinary study of sandy beaches along the Apulian coast (Southern Italy).**

» [Ms. Isabella Lapietra](#), Dr. Stefania Lisco, Prof. Salvatore Milli, Mr. Nicola Mongelli, Prof. Massimo Moretti, Mr. Giovanni Scardino

**Comparing grain-size distribution from digital image analysis on natural and artificial coarse-clastic beaches**

» [Dr. Duccio Bertoni](#), Prof. Kristina Pikelj, Mr. S. Dean, Prof. Giovanni Sarti, Prof. Arthur Trembanis

**Do really typhoons contribute to beach erosion? An example from Haeundae Beach in Busan, Korea**

» [Mr. Young Yun Lee](#), Prof. Tae Soo Chang

5pm

**11.I Organic matter in palaeoenvironmental, palaeogeographical and hydrocarbon exploration research: progress and perspectives**

*Museo di Arte Classica*

Chaired by: Dr. Amalia Spina and Prof. Annette Goetz and Nicoletta Buratti

**Fossil charcoal within drifted wood of Triassic fluvial sandstones of Allan Hills (Southern Victoria Land, Antarctica): evidences from polycyclic aromatic hydrocarbons**

» [Ms. Valentina Corti](#), Prof. Luigi Paolo D'Acqui, Prof. Gianluca Cornamusini, Prof. Luca Calamai, Mr. Giovanni Pio Liberato, Ms. Dalila Pasquini, Prof. Franco Maria Talarico

**Description of Reservoir Distribution Characteristics of Qianjiang Formation in the Wangguanghao Fault Zone**

» [Ms. Xiao Chen](#)

**Evaluation and prediction of favorable source rocks in source-to-sink system of Palaeogene, Shaleitian - Chengbei uplift**

» [Mr. Yijun Cao](#), Prof. Huayao Zou



Continued from **Tuesday, 10 September**

**Genesis types and distribution laws of crude oil in Langgu sag, Jizhong sub-basin**

» [Mr. Yijun Cao](#), Prof. Huayao Zou

**Organic matter distribution in the Mozambique Channel: Evidence for widespread oxidation processes in the deep-water domains**

» [Mrs. Martina Torelli](#), Mrs. Anne Battani, Mr. Danielle Pillot, Mr. Eric Kohler, Mr. Joel Lopes De Azevedo, Mrs. Isabelle Kowalewski, Mr. Christophe Brandily, Mrs. Lucie Pastor, Dr. Gwenael Jouet, Prof. Eric Deville

**Characteristics and influencing factors for organic-rich source rocks in shore-shallow lake of the Upper part of the second member of Qiketai Formation in Shengbei Sag, Turpan-Hami Basin**

» [Dr. Yue Feng](#), Mr. Zhilong Huang

**Organic Carbon in Deep-Marine Levees as a Possible Driver of Neoproterozoic Atmospheric and Oceanic Conditions**

» [Ms. Celeste Cunningham](#), Prof. William Arnott

**Effect of paleo sedimentary environment of Saline Lacustrine Basin on organic matter accumulation and preservation , a case study from Dongpu Depression Bohai Bay Basin, China**

» [Dr. Ling Tang](#), Prof. Yan Song, Ms. Qianwen Li

**Influence of paleoenvironment on organic matter enrichment of lacustrine shale from Sichuan Basin, China**

» [Mr. Meizhou Zhang](#), Prof. Xiaomin Zhu, Prof. Zhenxue Jiang

**Geochemistry and depositional environment of the Miocene Zeit Formation shales in the Red Sea Basin**

» [Dr. Shangru Yang](#), Prof. Wenzhe Gang, Prof. Gang Gao

**Petrologic and Geochemical Characteristics of Marine Sand Strip in the Proterozoic Chuanlinggou Formation of the North China**

» [Dr. Yue Feng](#), Prof. Chunjiang Wang

**Uranium metallogenic models controlled by Mesozoic coal accumulation in northern Ordos Basin**

» [Mr. Yangquan Jiao](#), Dr. Liqun Wu, Mr. Hui Rong, Ms. Fan Zhang

**Paleopedological interpretation of organic matter composition in Early Pleistocene sediments (northeast Caucasus, Russia)**

» [Dr. Ekaterina Stolpnikova](#), Prof. Natalia Kovaleva

**Miocene paleovegetation ecosystem changes in the Mediterranean: biomarker contributions from basinal sediments of Tuscan Apennine**

» [Dr. Aura Cecilia Salocchi](#), Ms. Julia krawielicki, Prof. Vincenzo Picotti, Dr. Chiara Fioroni, Prof. Daniela Fontana, Prof. Stefano Conti, Prof. Timothy Ian Eglinton

**Characteristics of carbonaceous debris and its relations with uranium mineralization in the Shuanglong uranium deposit, China**

» [Ms. Fan Zhang](#), Mr. Yangquan Jiao

**Asymmetric Tectonic Wedges And Sedimentation: Case Study In Chaiwopu basin**

» [Dr. HaoWei Yuan](#), Prof. ShuPing Chen

**Paleoenvironment of source rocks in the Paleocene, Lishui Sag: evidence from biomarkers**

» [Dr. Yang Li](#), Prof. Jinliang Zhang, Dr. Zhongqiang Sun

**How to determine effective source rocks: definition and distribution**

» [Dr. Yang Li](#), Prof. Jinliang Zhang, Dr. Zhongqiang Sun

6pm

**11.L Methane-rich fluid expulsion processes and their signatures in marine sediments**

*Museo di Arte Classica*

Chaired by: Prof. Daniela Fontana and Dr. Jochen Knies and Dr. Giuliana Panieri and Prof. Rossella Capozzi

Continued from **Tuesday, 10 September**

### Tracking biogeochemical signatures recorded during migration history of hydrocarbon rich fluids

» [Dr. Irene Viola](#), Prof. Rossella Capozzi

### Record of light hydrocarbons in the rocks drilled in wells in Central and W Poland

» [Prof. Katarzyna Jarmolowicz-Szulc](#)

### Abnormal Accumulation of Tight Sandstone Gas Reservoirs of Xujiahe Formation in Northwestern Sichuan Basin, China

» [Ms. Xue ke Wang](#), Prof. Wei Li, Mr. Benjian Zhang, Mrs. Senqi Pei

### A pan-European study addressing knowledge gaps in gas-hydrate assessment: theoretical considerations and practical implications

» [Dr. Ricardo Leon](#), Dr. Margaret Stewart, Dr. Andre Burnol, Ms. Carmen Julia Gimenez-Moreno, Dr. Tove Nielsen, Dr. John Hopper, Dr. Isabel Reguera, Dr. Pilar Mata, Dr. Isabelle Thinnon, Dr. Hideo Aochi, Dr. Boris Malyuk, Dr. Christopher Rochelle, Ms. Silvia Cervel, Ms. Elena Nuñez Varela

### Gas hydrate studies along Chilean margin

» Prof. Ivan Vargas-Cordero, Dr. Umberta Tinivella, [Dr. Michela Giustiniani](#), Ms. Lucia Villar, Dr. Carolina Cárcamo, Dr. Joaquim P. Bento, Ms. Giulia Alessandrini

### Gas hydrate-associated carbonates and microbial mats in a Late Miocene seepage system (Piedmont basin, Italy)

» [Mr. Stefano Giunti](#), Dr. Marcello Natalicchio, Prof. Francesco Dela Pierre

### Cold seeps on thrust-related anticlines: a comparison between fossil systems (Apennines, Italy) and modern counterparts

» [Dr. Claudio Argentino](#), Prof. Stefano Conti, Dr. Gareth Crutchley, Dr. Chiara Fioroni, Prof. Daniela Fontana, Prof. Joel Johnson

### Characteristics, ability, and origin of shale gas desorption in the southeastern Sichuan Basin, China

» [Prof. Dongdong Liu](#), Prof. Zhenxue Jiang, Dr. Xianglu Tang, Prof. Wei Yang

### Gas hydrate dissociation induced by sea-level changes: the middle Miocene clathrates of the Apennines (Italy)

» [Prof. Stefano Conti](#), Dr. Claudio Argentino, Dr. Chiara Fioroni, Prof. Daniela Fontana

### Gas desorption behavior and the controlling factors in Wufeng-Longmaxi shale, Sichuan Basin

» [Ms. Xiaowei Zheng](#), Prof. Hamed Sanei

6pm

### 3.A Interplays of hydrodynamic processes in shallow marine environments

*Museo di Arte Classica*

Chaired by: Dr. Romain Vaucher and Marcello Gugliotta and Dr. Daniel Collins

### Typhoon Soudelor (2015) induced offshore movement of sand dunes and geomorphological change: Fujian coast, China

» [Yunhai Li](#)

### Threshold of motion of bivalve and gastropod shells under oscillatory flow in flume experiments

» [Dr. Cristiano Fick](#), Prof. Eduardo Puhl, Prof. Elírio E. Toldo Jr

### Architecture and Evolution of Distributary Channel of Shallow-Water Delta Front in the Yan River Outcrop of East Ordos Basin

» [Dr. Cheng Cheng](#), Dr. Yinhong Liu, Dr. Kailei Yang, Dr. Yu Qi

### Threshold of motion and orientation of mollusc bivalve shells under current flow

» [Mr. Felipe Rafael Secco da Silva](#), Prof. Ana Luiza Borges, Prof. Elírio E. Toldo Jr, Prof. Eduardo Puhl

Continued from **Tuesday, 10 September**

**Discovery of fluvial-lacustrine deposition in Lower Minghuazhen Formation of Qinan fault step belt, Bohai Bay**

» [Mr. Zhenpeng Li](#)

**Orbital forcing in the transgressive/regressive high-frequency sequences (Belsué Syncline, Eocene, South-Pyrenean foreland Basin, Spain).**

» [Mr. Andreu Vinyoles](#), Dr. Luis Valero, Prof. Miguel Garcés, Prof. Miguel López-Blanco, Dr. Elisabet Beamud, Mr. Pau Arbués, Dr. Patricia Cabello

**Correlation and modelling of facies in the fluvial-to-marine transition zone based on subsurface data**

» [Mr. Bassam Alshammari](#), Prof. Nigel P. Mountney, Dr. Luca Colombera

**High-resolution facies analysis of the Permian-Triassic fluvial sequences of Allan Hills (Antarctica): implications for paleogeography and paleoenvironment**

» [Dr. Giovanni Pio Liberato](#), Prof. Gianluca Cornamusini

**Backset lamination induced by supercritical backwash flows at the beachface-shoreface transition of a storm-dominated gravelly beach (middle Pleistocene, central Italy)**

» [Prof. Claudio Nicola Di Celma](#), Dr. Alan Pitts, Dr. Danica Jablonska, Prof. John Haynes

**Record of post-glacial transgression in Late Paleozoic glacial-marine Talchir Formation, peninsular India**

» [Mr. Harshit Varshanay](#), Dr. Biplab Bhattacharya, Mr. Md Tanweer Ahmad

**Upper flow-regime bedforms on prodeltaic deposits in Gulf of Patti (north-east Sicily) and Al-Hoceima Bay (northern Morocco)**

» [Dr. Romano Clementucci](#), Dr. Manfred Lafosse, Dr. Daniele Casalbone, Prof. Francesco Chiocci, Prof. Christian Gorini, Dr. Domenico Ridente, Dr. Elia D'Acremont, Prof. Alain Rabaute

**Wednesday, 11 September**

8:30am **7.H Recent insights and outstanding questions in planetary sedimentary geology**

ROOM 8 ESD

Chaired by: Dr. Francesco Salese and Dr. William McMahon and Prof. Maarten Kleinhans and Dr. Nicolas Mangold

8:30am **Mars 2020 in Jezero Crater: Seeking Signs of Life in an Ancient Martian Delta**

» [Dr. Kathryn Stack](#), Prof. Kenneth Farley, Dr. Kenneth Williford, Mx. \* Mars 2020 Science Team

8:45am **The Sahara as large-scale Mars analogue**

» [Prof. Gian Gabriele Ori](#)

9am **Groundwater control and process variability on the Equatorial Layered Deposits of Kotido crater, Mars**

» [Dr. Monica Pondrelli](#), Dr. Angelo Pio Rossi, Dr. Laetitia Le Deit, Mr. Gene Schmidt, Dr. Riccardo Pozzobon, Dr. Ernst Hauber, Dr. Francesco Salese

9:15am **First evidence for bright-toned megaripple migration on Mars**

» [Dr. Simone Silvestro](#), Dr. Matt Chojnacki, Dr. David Vaz, Dr. Marco Cardinale, Dr. Francesca Esposito

9:30am **Descending into the "snowball": Improving interpretations of Tonian and Cryogenian palaeoenvironments with detailed sedimentology**

» [Ms. Georgina Virgo](#), Dr. Kathryn Amos, Prof. Alan Collins, Dr. Juraj Farkas, Mr. Jarred Lloyd

9:45am **Lithostratigraphy across several craters containing interior layered deposits within Arabia Terra by comparing thickening and thinning sequences of their layering**

» [Mr. Gene Schmidt](#), Dr. Monica Pondrelli, Dr. Francesco Salese, Dr. Frank Fueten, Dr. Angelo Pio Rossi, Dr. Laetitia Le Deit



Continued from **Wednesday, 11 September**

- 8:30am **2.A Estuarine systems: from morphodynamics to stratigraphy**  
*ROOM 1 ESD*  
Chaired by: Prof. Andrea D'Alpaos and Prof. Massimiliano Ghinassi and Dr. Alvise Finotello
- 8:30am **Paralic environments in the Ediacaran Pound Subgroup, Flinders Ranges, Australia**  
» [Dr. William McMahon](#), Dr. Alex Liu, Prof. Maarten Kleinans
- 8:45am **Facies analysis, architecture, and depositional model of the tidally-influenced Naturita Formation (Dakota Sandstone)**  
» [Mr. Stephen Phillips](#), Prof. Adrian Hartley, Prof. John Howell
- 9am **Delineating depositional ages of marginal-marine sedimentary strata in intracratonic foreland basins: McMurray Formation, Canada**  
» [Mr. Lucian Rinke-Hardekopf](#), Prof. Shahin Dashtgard
- 9:15am **Late-Quaternary evolution of karstic estuaries of the Eastern Adriatic**  
» [Prof. Alessandro Fontana](#), Dr. Igor Felja, Prof. Mladen Juracic, Dr. Annamaria Correggiari, Prof. Vlasta Čosović, Dr. Sandro Rossato, Prof. Stefano Furlani, Dr. Ilaria Mazzini
- 9:30am **A unifying biogeomorphic mechanism for drainage landscape development**  
» [Mr. Roeland C. van de Vijse](#), Mr. Jim van Belzen, Prof. Daphne van der Wal, Prof. Tjeerd J. Bouma, Prof. Johan van de Koppel
- 9:45am **Times series analysis of morphological and sediment data in the German Wadden Sea**  
» [Dr. Alexander Bartholomae](#), Mrs. Jasmin Osterloh, Mr. Ruggero Capperucci, Dr. Friederike Bungenstock

- 8:30am **1.A Carbonate producers and Cenozoic platforms**  
*ROOM 11 ESD*  
Chaired by: Prof. Daniela Basso and Dr. Valentina Alice Bracchi and Dr. Giovanni Coletti
- 8:30am **Middle and Late Eocene subaerial exposures, a Costa Rican first observation**  
» [Dr. Valentin Chesnel](#), Mr. Erick Rodríguez
- 8:45am **Miocene barnacle facies: a review with examples from the Old World (Italy and France) and the New World (Peru)**  
» [Dr. Giovanni Coletti](#), Dr. Alberto Collareta, Dr. Giulia Bosio, Prof. John Buckeridge
- 9am **Miocene carbonates of the Eratosthenes Seamount**  
» Dr. Giovanni Coletti, [Prof. Daniela Basso](#), Prof. Christian Betzler, Prof. Alastair Robertson, Dr. Giulia Bosio, Dr. Akram El Kateb, Prof. Anneleen Foubert, Dr. Aaron Meilijson, Dr. Silvia Spezzaferri
- 9:15am **A new model: Punctuated Chlorozoan Carbonates- biotic response to accretion tectonics and volcanism (Cretaceous-Cenozoic, Mid-America)**  
» Dr. Claudia Baumgartner-Mora, [Prof. Peter Oliver Baumgartner](#), Dr. Goran Andjic
- 8:30am **11.B New concepts and tools to unravel depositional architecture in deforming basins: From seismic stratigraphy to analogue models**  
*ROOM Galasso*  
Chaired by: Andrea Argnani and Prof. Fabiano Gamberi and Dr. Massimo Rossi and Andrew Madof
- 8:30am **3D forward modelling applied to exploration studies**  
» [Dr. Chiara Barbieri](#)
- 8:45am **Tracing marine incursions in continental deposits: the Bearpaw sea of west-central Alberta**  
» [Mr. Riccardo Zupalich](#), Prof. Rossella Capozzi, Prof. Federico Fanti

Continued from **Wednesday, 11 September**

- 8:30am **SKT 7.G (30 minutes) -  
7.G The sedimentary record of earthquakes, tsunamis, and other extreme/catastrophic events**  
*ROOM Aula Magna*  
Chaired by: Prof. Massimo Moretti and Jasper Knight and Mastronuzzi Giuseppe and Andreas Vött
- 8:30am **Resolving the tsunami wave: interpreting palaeotsunami deposits by integrating numerical modelling and sedimentology**  
» [Dr. Ion Hill](#), Mr. Graham Rush, Mr. Luke Hodson, Prof. Jeff Peakall, Dr. Natasha Barlow, Prof. Roland Gehrels, Prof. David Hodgson
- 8:30am **SKT 9.A (30 minutes) -  
9.A From sediment generation to sediment routing systems**  
*ROOM Odeion*  
Chaired by: Dr. Luca Caracciolo and Prof. David Chew and Prof. Sergio Andò and Dr. Alberto Resentini
- 8:30am **Inherent Biases in Sediment Routing to Deepwater: Concepts and Examples**  
» [Prof. Mike Blum](#), Dr. Mike Sweet
- 8:30am **7.A Marine microbialites: a record of bio-sedimentary processes through time**  
*ROOM Partenone*  
Chaired by: Dr. Marcello Natalicchio and Prof. Edoardo Perri and Prof. Francesco Dela Pierre and Dr. T. Himmler and Prof. Maurice Tucker and Prof. Ismail Omer Yilmaz
- 8:30am **Microbial Polygons in Evaporitic Environments**  
» [Ms. Franziska Blattmann](#), Prof. Timothy Ian Eglinton, Dr. Negar Haghypour, Prof. Stefano Bernasconi, Dr. Maria Dittrich, Prof. Hamad Al-Saad, Dr. Tomaso Bontognali

- 8:45am **Biom mineralization processes in lithifying microbial communities of hypersaline and freshwater environments: new insights**  
» [Prof. Edoardo Perri](#), Dr. Ida Daniela Perrotta, Dr. Mirosław Słowakiewicz, Prof. Maurice Tucker
- 8:30am **7.D Integrated approaches to the recognition of contourite depositional systems**  
*ROOM Blue1*  
Chaired by: Dr. Michele Rebesco and Dr. Eleonora Martorelli and Prof. David Van Rooij and Prof. Francisco Javier Hernández-Molina and Giancarlo Davoli
- 8:30am **Upper Cretaceous bottom current deposits, NE Greenland**  
» [Dr. Jussi Hovikoski](#), Prof. Alfred Uchman, Dr. Rikke Weibel, Dr. Henrik Nøhr-Hansen, Dr. Emma Sheldon, Dr. Jens Therkelsen, Dr. Mette Olivarius, Dr. Peter Alsen, Dr. Jørgen Bojesen-Koefoed
- 8:45am **The ODYSSEA Contourite Depositional System. Interpretation of seismic data collected in the Ross Sea (Antarctica).**  
» [Mr. Rudy Conte](#), Dr. Michele Rebesco, Dr. Jenny Gales, Dr. Laura De Santis, Dr. Fabrizio Zgur, Dr. Sookwan Kim, Dr. Daniela Accettella, Ms. Francesca Battaglia, Ms. Elisabetta Olivo, Dr. Vedrana Kovacevic, Dr. Andrea Bergamasco, Dr. Laura De Steur, Dr. Cristian Florindo-Lopez, Dr. Manuel Bensi, Dr. Dino Viezzoli, Dr. Laura Ursella, Dr. Florence Colleoni, Dr. Robert McKay, Dr. Denise Kulhanek, Dr. The Expedition 374 Scientists
- 9am **Sedimentary systems as high-resolution archive of energetic dense overflow events - examples from the Baltic Sea and South China Sea**  
» [Dr. Wenyan Zhang](#), Mr. Lucas Porz, Dr. Hui Chen, Dr. Shaoru Yin, Prof. Xinong Xie, Prof. Corinna Schrum
- 9:15am **Deep-water alongslope-downslope depositional systems since the Middle Miocene on the Jianfeng Slope, northern South China Sea**  
» [Dr. Hui Chen](#), Prof. Xinong Xie, Ms. Ya Gao, Mr. Mingmeng Wei

Continued from **Wednesday, 11 September**

- 9:30am **Novel evidence from the Pliocene-Quaternary succession of the southeastern Gela Basin (Strait of Sicily, Central Mediterranean Sea): onset and evolution of contourite deposits**  
 » Mr. Tugdual Gauchery, Dr. Marzia Rovere, Dr. Antonio Cattaneo, Dr. Claudio Pellegrini, Dr. Alessandra Asioli, Dr. Tommaso Tesi, Dr. Elisabetta Campiani, Dr. Fabio Trincardi
- 9:45am **Recognition and preliminary description of a sand-rich contourite outcrop in a forearc basin setting.**  
 » Dr. Antonio Grippa, Prof. Vittorio Maselli, Prof. Andrew Hurst, Dr. Vitor Abreu, Dr. Francesca Falzoni, Dr. Giuseppe Palladino
- 8:30am **7.C Sedimentary processes on high-latitude continental margins**  
*ROOM Blue2*  
 Chaired by: Dr. Renata Giulia Lucchi and Prof. Colm O'Cofaigh and Dr. Robert D. Larter and Prof. Matthias Forwick and Dr. Karsten Gohl and Dr. Florence Colleoni
- 8:30am **The Whales Deep Basin - Houtz and Hayes Bank system (Southeastern Ross Sea, Antarctica): a scenario for Pleistocene continental outer shelf and slope processes evolution**  
 » Ms. Elisabetta Olivo, Dr. Laura De Santis, Dr. Phil Bart, Dr. Andrea Bergamasco, Dr. Jenny Gales, Dr. Gualtiero Bohm, Dr. Nigel Wardell, Dr. Florence Colleoni, Dr. Vedrana Kovacevic, Dr. Manuel Bensi, Dr. Michele Rebesco, Dr. Edy Forlin, Dr. Dino Viezzoli, Dr. Giuseppe Cortese, Dr. Robert McKay, Dr. Denise Kulhanek, Dr. and the Expedition 374 Scientists
- 8:45am **Sedimentation processes and paleoenvironments in the Northern Barents Sea during the last deglaciation**  
 » Prof. Ivar Murdmaa, Prof. Elena Ivanova
- 9am **Sedimentary signatures of ice stream and ice shelf presence offshore of Northeast Greenland during the LGM**  
 » Prof. Colm O'Cofaigh, Dr. S. Louise Callard, Dr. Jerry M. Lloyd, Prof. David H. Roberts, Dr. Boris Dorschel

- 9:15am **Meltwater pulses and Heinrich-like events on the NW-Barents Sea (Arctic)**  
 » Dr. Renata Giulia Lucchi, Dr. Leonardo Sagnotti, Dr. Chiara Caricchi, Dr. Patrizia Macrì, Ms. Maria Elena Musco, Mr. Nessim DOUSS, Dr. Michele Rebesco, Dr. Angelo Camerlenghi
- 8:30am **11.E New frontiers in mudrock sedimentology and stratigraphy**  
*ROOM Blue3*  
 Chaired by: Dr. Gabriele Gambacorta and Prof. Juergen Schieber
- 8:30am **Local, across-strike variability in depositional processes and sedimentary architecture in a mudstone-dominated, shallow-marine succession, Book Cliffs, Utah.**  
 » Mr. Rhys Hamlyn, Mr. Kévin Boulesteix, Prof. Kevin Taylor, Prof. Stephen Flint, Dr. Rhodri Jerrett
- 8:45am **Disentangling the roles of river and shelfal depositional processes in terrigenous-organic-carbon sequestration on continental shelves: an example from the Adriatic Sea**  
 » Dr. Claudio Pellegrini, Dr. Tommaso Tesi, Prof. Juergen Schieber, Dr. Kevin Bohacs, Dr. Alessandra Asioli, Dr. Marzia Rovere, Mr. Alessio Nogarotto, Dr. Fabio Trincardi
- 9am **Transport and deposition of mud in distal basin floor environments**  
 » Mr. Kévin Boulesteix, Prof. Stephen Flint, Dr. Miquel Poyatos-Moré, Prof. Kevin Taylor, Prof. David Hodgson
- 9:15am **Experimental flume studies of clay and organic matter effect on erodibility of calcareous pelagic ooze**  
 » Dr. Toms Buls, Dr. Kresten Anderskov, Dr. Charlotte Thompson, Dr. Patrick Friend, Prof. Lars Stemmerik
- 9:30am **Environmental control of Pliensbachian clay mineral sedimentation in the Paris and Cardigan Bay Basins**  
 » Prof. Deconinck Jean-Francois, Mr. Cedric Bougeault, Prof. Stephen Hesselbo, Prof. Pierre Pellenard

Continued from **Wednesday, 11 September**

- 9:45am **The transition to the Silurian greenhouse climate recorded in the fine-grained deposits of the Baltica epicontinental sea**  
» [Dr. Gabriele Gambacorta](#), Dr. Elena Menichetti, Mrs. Elena Trincianti, Mr. Stefano Torricelli
- 9am **SKT 11.B (30 minutes) - 11.B New concepts and tools to unravel depositional architecture in deforming basins: From seismic stratigraphy to analogue models**  
*ROOM Galasso*  
Chaired by: Andrea Argnani and Prof. Fabiano Gamberi and Dr. Massimo Rossi and Andrew Madof
- 9am **From outcrop analogue to geological modelling of gravity-driven deposits: example from the Hikurangi margin**  
» [Ms. Barbara Claussmann](#), Mr. Corentin Chaptal, Dr. Geoffroy Mahieux, Dr. Frank Chanier, Dr. Adam McArthur, Dr. Bruno Vendeville, Dr. Julien Bailleul
- 9am **7.G The sedimentary record of earthquakes, tsunamis, and other extreme/catastrophic events**  
*ROOM Aula Magna*  
Chaired by: Prof. Massimo Moretti and Jasper Knight and Mastronuzzi Giuseppe and Andreas Vött
- 9am **Soft sediment deformation in fault zones and in seismites characterized by Anisotropy of Magnetic Susceptibility (AMS)**  
» Dr. Tsafirir Levi, Mr. Dan Elhanati, Prof. Ian G. Alsop, Dr. Ran Issachar, Prof. Rami Weinberger, [Prof. Shmuel Marco](#)
- 9:15am **The role of incised valleys in coseismic sand liquefaction in Venice during the 1117 earthquake**  
» [Prof. Paolo Mozzi](#), Dr. Sandra Primon, Dr. Giorgia Dalla Santa, Prof. Antonio Galgaro, Dr. Omar Fagarazzi
- 9:30am **Sedimentological features of ancient and present-day seismites**  
» [Prof. Massimo Moretti](#), Dr. Monica Giona Bucci, Prof. Peter Almond, Dr. Martitia Tuttle, Dr. Pilar Villamor

- 9:45am **Soft-sediment deformation structures and related facies associations: Mesoproterozoic Rohtas Limestone, Son valley, central India**  
» [Prof. Subir Sarkar](#), Mr. Sabyasachi Mandal, Dr. Adrita Choudhuri
- 9am **9.A From sediment generation to sediment routing systems**  
*ROOM Odeion*  
Chaired by: Dr. Luca Caracciolo and Prof. David Chew and Prof. Sergio Andò and Dr. Alberto Resentini
- 9am **Erosion and weathering history in tectonically active mountainous rivers**  
» [Mr. Siyi Hu](#), Prof. Zhigang Zeng
- 9:15am **Linking source and sink: Sedimentary provenance record in the northern South China Sea**  
» [Dr. Ce Wang](#), Dr. Ming Su, Dr. Yaping Lei, Mr. Zhixuan Lin
- 9:30am **Pb isotopic matching of granite clasts in post-orogenic gravel-bed rivers with source plutons**  
» [Prof. Peter Haughton](#), Dr. Shane Tyrrell, Dr. Eszter Badenszki
- 9:45am **The Zambezi River system since the Jurassic: a multitechnique provenance analysis**  
» [Mr. Guido Pastore](#), Prof. Sergio Andò, Dr. Emmanuelle Chanvry, Dr. Massimo Dall'Asta, Prof. Eduardo Garzanti, Prof. Marco G. Malusà, Dr. Alberto Resentini, Prof. Pieter Vermeesch, Prof. Giovanni Vezzoli
- 9am **SKT 7.A (30 minutes) - 7.A Marine microbialites: a record of bio-sedimentary processes through time**  
*ROOM Partenone*  
Chaired by: Dr. Marcello Natalicchio and Prof. Edoardo Perri and Prof. Francesco Dela Pierre and Dr. T. Himmler and Prof. Maurice Tucker and Prof. Ismail Omer Yilmaz

Continued from **Wednesday, 11 September**

9am  
**The precipitation of calcium carbonate by viruses - the new frontier in sedimentology**  
 » Dr. Mirosław Słowakiewicz, Dr. Andrzej Borkowski, Mr. Marcin Syczewski, Mr. Filip Owczarek, Dr. Anna Sikora, Mrs. Anna Detman, Prof. Edoardo Perri, Prof. Maurice Tucker

9:30am  
**SKT 1.A (30 minutes) - 1.A Carbonate producers and Cenozoic platforms**  
*ROOM 11 ESD*  
 Chaired by: Prof. Daniela Basso and Dr. Valentina Alice Bracchi and Dr. Giovanni Coletti

9:30am  
**Cenozoic carbonate factories: global distributional trends of carbonate platforms**  
 » Dr. Julien Michel, Dr. Alexandre Lettéron, Dr. Cyprien Lanteaume, Prof. Jean Borgomano, Dr. Jeroen Kenter

9:30am  
**11.B New concepts and tools to unravel depositional architecture in deforming basins: From seismic stratigraphy to analogue models**  
*ROOM Galasso*  
 Chaired by: Andrea Argnani and Prof. Fabiano Gamberi and Dr. Massimo Rossi and Andrew Madof

9:30am  
**The Cenozoic sequence architecture and depositional system evolution of drifting basin of Nansha block: a case study in Beikang Basin, South China Sea**  
 » Dr. Wu Tang

9:45am  
**The Middle to Upper Jurassic in the SW Barents Sea: Active faulting controlling the variation of organic-rich rocks**  
 » Mrs. Dora Marin, Prof. Alejandro Escalona

9:30am  
**7.A Marine microbialites: a record of bio-sedimentary processes through time**  
*ROOM Partenone*  
 Chaired by: Dr. Marcello Natalicchio and Prof. Edoardo Perri and Prof. Francesco Dela Pierre and Dr. T. Himmler and Prof. Maurice Tucker and Prof. Ismail Omer Yilmaz

9:30am  
**Microbial-dominated carbonate/evaporitic platform to slope systems during the Messinian Salinity Crisis (Calcare di Base fm, Southern Italy)**  
 » Dr. Mario Borrelli, Dr. Laurent Gindre-Chanu, Prof. Edoardo Perri, Prof. Antonio Caruso, Prof. Salvatore Critelli

9:45am  
**Demise of the Jabłonna Reef (Zechstein Limestone) and the onset of gypsum deposition (Wuchiapingian, West Poland)**  
 » Prof. Tadeusz Peryt, Dr. Marek Jasionowski, Dr. Pawel Raczynski

9:30am  
**SKT 7.C (30 minutes) - 7.C Sedimentary processes on high-latitude continental margins**  
*ROOM Blue1*  
 Chaired by: Dr. Renata Giulia Lucchi and Prof. Colm O'Cofaigh and Dr. Robert D. Larter and Prof. Matthias Forwick and Dr. Karsten Gohl and Dr. Florence Colleoni

9:30am  
**Modern ice shelf facies and Early Holocene counterparts in Petermann Fjord and Northern Nares Strait**  
 » Dr. Anne Jennings, Dr. Brendan Reilly, Prof. John Andrews, Dr. Kelly Hogan, Dr. Maureen Walczak, Dr. Joseph Stoner, Prof. Alan Mix, Prof. Martin Jakobsson

10am  
**COFFEE BREAK (10:00am - 10:30am)**

10:30am  
**SKT 7.H (30 minutes) - 7.H Recent insights and outstanding questions in planetary sedimentary geology**  
*ROOM 8 ESD*  
 Chaired by: Dr. Francesco Salese and Dr. William McMahon and Prof. Maarten Kleinans and Dr. Nicolas Mangold

Continued from **Wednesday, 11 September**

- 10:30am **Stratigraphy, Sedimentology, and Diagenesis of a Martian Lacustrine Deposit, Murray Formation, Gale Crater, Mars**  
 » [Prof. Sanjeev Gupta](#), Prof. John Grotzinger, Dr. Lauren Edgar, Prof. Christopher Fedo, Prof. Woodward Fischer, Dr. Abigail Fraeman, Prof. Joel Hurowitz, Prof. Michael Lamb, Dr. Nicolas Mangold, Prof. Scott McLennan, Prof. Ralph Milliken, Dr. Elizabeth Rampe, Prof. Juergen Schieber, Dr. Kirsten Siebach, Prof. Dawn Sumner, Dr. Kathryn Stack, Mr. Nathan Stein, Dr. Ashwin Vasavada
- 10:30am **2.A Estuarine systems: from morphodynamics to stratigraphy**  
 ROOM 1 ESD  
 Chaired by: Prof. Andrea D'Alpaos and Prof. Massimiliano Ghinassi and Dr. Alvisé Finotello
- 10:30am **Pleistocene-Holocene evolution of a barrier-island system by means of shallow acoustics and multiproxy core data**  
 » [Mr. Ruggero Capperucci](#), Dr. Alexander Bartholomae, Dr. Friederike Bungenstock, Mr. Robin Schaumann, Dr. Achim Wehrmann, Dr. Dirk Enters
- 10:45am **3D depositional architecture and morphodynamic evolution of a micro-tidal point bar (Venice Lagoon, Italy)**  
 » [Dr. Elena Bellizia](#), Prof. Massimiliano Ghinassi, Dr. Fantina Madricardo, Dr. Sandra Donnici, Prof. Andrea D'Alpaos
- 11am **Three-dimensional flow structure and morphodynamic evolution of tidal meander bends**  
 » [Dr. Alvisé Finotello](#), Prof. Massimiliano Ghinassi, Prof. Luca Carniello, Dr. Enrica Belluco, Dr. Mattia Pivato, Dr. Laura Tommasini, Prof. Andrea D'Alpaos
- 11:15am **Combining field evidences and forward stratigraphic model to predict 3D geometries of tidal Point Bars**  
 » [Ms. Marta Cosma](#), Dr. Na Yan, Prof. Nigel P. Mountney, Prof. Massimiliano Ghinassi, Dr. Luca Colombera, Prof. Andrea D'Alpaos

- 10:30am **1.A Carbonate producers and Cenozoic platforms**  
 ROOM 11 ESD  
 Chaired by: Prof. Daniela Basso and Dr. Valentina Alice Bracchi and Dr. Giovanni Coletti
- 10:30am **Facies, architecture and genetic controls of carbonate ramp aprons development.**  
 » [Prof. Andrea Moscarello](#), Mr. Disnahir Pinto, Dr. Mauro Agate
- 10:45am **The Pleistocene evolution of algal bioconstructions (reefs and rhodoliths) in the marine terraces of Crotona (Southern Italy).**  
 » [Dr. Valentina Alice Bracchi](#), Dr. Ronald Nalin, Prof. Daniela Basso
- 11am **Carbonate production by coralline algae and bryozoans in the Early Pleistocene of Castelluccio (Eastern Sicily)**  
 » [Prof. Antonietta Rosso](#), Prof. Francesco Sciuto, Prof. Daniela Basso, Prof. Rossana Sanfilippo, Dr. Erlisiana Anzalone, Dr. Emanuela Di Martino, Dr. Jean-George Harmelin, Prof. Elisa Malinverno, Prof. Angela Baldanza
- 11:15am **Decadal Patterns in Mud Production on Great Bahama Bank via Whittings**  
 » [Prof. Sam Purkis](#), Ms. Heather Hunter, Dr. Amanda Oehlert
- 10:30am **11.B New concepts and tools to unravel depositional architecture in deforming basins: From seismic stratigraphy to analogue models**  
 ROOM Galasso  
 Chaired by: Andrea Argnani and Prof. Fabiano Gamberi and Dr. Massimo Rossi and Andrew Madof
- 10:30am **Late Cretaceous Lysing Turbidite Reservoir Characterization of the Dønna Terrace, Norwegian Sea**  
 » [Mr. Bing Wang](#), Dr. Lothar Schulte, Mr. Archit Sharma, Prof. Jingyan Liu, Mr. Muhammad Junaid Yaqoob
- 10:45am **Sand-fairway mapping as a tool for decoding central Mediterranean palaeogeography using the Numidian turbidites**  
 » [Dr. Patricia Romagna Pinter](#), Prof. Rosanna Maniscalco, Prof. Robert W.H. Butler, Prof. Adrian Hartley



Continued from **Wednesday, 11 September**

- 11am **Fusion Technique of Seismic Structure and Attribute and Its Application in Depositional System Study in Lacustrine Basin**  
» [Dr. Yang Zhanlong](#)
- 11:15am **Inversion Method based on Deep Learning: A case of Tricategorical Delta Reservoir**  
» [Mr. Pengfei Xie](#), Mr. Yanshu Yin
- 10:30am **7.G The sedimentary record of earthquakes, tsunamis, and other extreme/catastrophic events**  
*ROOM Aula Magna*  
Chaired by: Prof. Massimo Moretti and Jasper Knight and Mastronuzzi Giuseppe and Andreas Vött
- 10:30am **Genesis and landscape effects of Palaeo-Earthquakes: the natural laboratory from Rocca Busambra and Monte Barracù Geosites (Western Sicily)**  
» [Dr. Luca Basilone](#), Dr. Alessandro Bonfardeci, Dr. Pierangelo Romano, Prof. Attilio Sulli
- 10:45am **A siliciclastic shallow-marine turbidite on the carbonate shelf of the Ordovician Baltoscandian palaeobasin**  
» [Dr. Kairi Põldsaar](#), Dr. Leho Ainsaar, Mrs. Reet Nemliher, Dr. Oive Tinn, Dr. Girts Stinkulis
- 11am **Evidence of a regional paleoearthquake during deglaciation interpreted from mass transport deposits, Ontario-Quebec, Canada**  
» [Dr. Greg Brooks](#)
- 11:15am **Toarcian MTDs from the Umbria-Sabina Apennines (Central Italy): new sedimentological evidence for synsedimentary tectonics**  
» [Ms. Giulia Innamorati](#), Dr. Angelo Cipriani, Mr. Fabio Massimo Petti, Mr. Costantino Zuccari, Mrs. Maria Concetta Marino

- 10:30am **9.A From sediment generation to sediment routing systems**  
*ROOM Odeion*  
Chaired by: Dr. Luca Caracciolo and Prof. David Chew and Prof. Sergio Andò and Dr. Alberto Resentini
- 10:30am **Mineralogy and geochronology of Nicobar Fan turbidites (IODP Leg 362): sediment provenance and depositional history.**  
» [Dr. Mara Limonta](#), Prof. Eduardo Garzanti, Prof. Kevin T. Pickering, Prof. Andrew Carter, Dr. Kitty L. Milliken
- 10:45am **Paleodesert provenance variation in the Botucatu Formation, Central Brazil**  
» [Mr. Gabriel Bertolini](#), Prof. Juliana Marques, Prof. Adrian Hartley, Prof. Miguel Basei, Prof. José Frantz
- 11am **Allogenic and autogenic controls on the diagenesis of Permo-Triassic sediment of the SE Germanic Basin**  
» [Mr. Domenico Ravidà](#), Dr. Luca Caracciolo, Dr. Saturnina Henares, Prof. Harald Stollhofen
- 11:15am **Tracking the deep-sea fate of terrestrially-derived microplastics: Addressing environmental challenges and exploring sedimentological opportunities with a new globally-widespread tracer**  
» [Dr. Mike Clare](#), Dr. Ian Kane
- 10:30am **7.A Marine microbialites: a record of bio-sedimentary processes through time**  
*ROOM Partenone*  
Chaired by: Dr. Marcello Natalicchio and Prof. Edoardo Perri and Prof. Francesco Dela Pierre and Dr. T. Himmler and Prof. Maurice Tucker and Prof. Ismail Omer Yilmaz
- 10:30am **Characteristics of Oolites and Their genetic Mechanism of the Cambrian Zhangxia Formation in North China**  
» [Mr. Yi Liu](#), Prof. Xuelian You, Mr. Fan Xu
- 10:45am **"Stromatolite" formed by sponges and microbes from the Lower Ordovician Mungok Formation, Yeongwol, Korea**  
» [Mr. Hoang Duy Pham](#), Prof. Jeong-Hyun Lee

Continued from **Wednesday, 11 September**

- 11am **Lower Cretaceous marine microbialites of central Tauride and western Pontide carbonate platforms, Turkey**  
» [Prof. Ismail Omer Yilmaz](#)
- 11:15am **Tubotomaculum: a bacterially-mediated polymetallic nodule**  
» Dr. Simone Bernardini, Dr. Anas Abbassi, Prof. Fabio Bellatreccia, [Prof. Paola Cipollari](#), Prof. Domenico Cosentino, Prof. Maddalena del Gallo, Dr. Enrico Mugnaioli, Dr. Armida Sodo, Prof. Mohamed Najib Zaghoul
- 10:30am **SKT 7.D (30 minutes) - 7.D Integrated approaches to the recognition of contourite depositional systems**  
*ROOM Blue1*  
Chaired by: Dr. Michele Rebesco and Dr. Eleonora Martorelli and Prof. David Van Rooij and Prof. Francisco Javier Hernández-Molina and Giancarlo Davoli
- 10:30am **Temporal and spatial variability of mixed turbidite–contourite systems**  
» [Dr. Nicole Bayliss](#), Dr. Juan Fedele, Mr. Eric Wildermuth, Mr. Kyle Basler-Reeder, Mr. Samuel Plitzuweit, Dr. Timothy Demko, Dr. David Hoyal
- 10:30am **7.C Sedimentary processes on high-latitude continental margins**  
*ROOM Blue2*  
Chaired by: Dr. Renata Giulia Lucchi and Prof. Colm O'Cofaigh and Dr. Robert D. Larter and Prof. Matthias Forwick and Dr. Karsten Gohl and Dr. Florence Colleoni
- 10:30am **Jan Mayen – Stratigraphic and oceanographic reconstructions for the last 1,200 ka BP**  
» [Ms. Marjolaine Sabine](#), Mr. Guillaume Boisramé, Dr. Frédérique Eynaud, Dr. Sébastien Zaragosi, Dr. Jacques Giraudeau, Dr. Elodie Marches, Ms. Linda Rossignol, Dr. Thierry Garlan

- 10:45am **Shelf-basin geochemical and sedimentary processes in the Arctic Ocean - The sea-ice/brine link**  
» [Prof. Claude Hillaire-Marcel](#), Prof. Anne de Vernal
- 11am **Development of push moraines in deeply frozen sediment adjacent to a cold-based glacier in the McMurdo Dry Valleys, Antarctica**  
» [Prof. Sean Fitzsimons](#), Dr. Jamie Howarth
- 11:15am **The imprint of the Totten Glacier (East Antarctica) and of the East Antarctic Ice Sheet evolution on sedimentary record off the Sabrina Coast**  
» [Dr. Federica Donda](#), Dr. German Leitchenkov, Dr. Roberto Romeo, Dr. Phil O'Brien, Ms. Elisabetta Olivo, Dr. Andrea Caburlotto, Dr. Leanne Armand, Dr. Laura De Santis
- 10:30am **11.E New frontiers in mudrock sedimentology and stratigraphy**  
*ROOM Blue3*  
Chaired by: Dr. Gabriele Gambacorta and Prof. Juergen Schieber
- 10:30am **Sedimentary characteristics and origin of lacustrine organic-rich shales in the salinized Eocene Dongying Depression, East China**  
» [Dr. Chao Liang](#), Dr. Jing Wu
- 10:45am **Influence of sedimentary facies on early diagenetic imprints in organic-rich fine-grained sediments: example of the Cariaco Basin deposits**  
» [Dr. Salomé Mignard](#), Dr. Ursula Hammes, Dr. Alain Lejay, Dr. François Gelin
- 11am **7.H Recent insights and outstanding questions in planetary sedimentary geology**  
*ROOM 8 ESD*  
Chaired by: Dr. Francesco Salese and Dr. William McMahon and Prof. Maarten Kleinhan and Dr. Nicolas Mangold

Continued from **Wednesday, 11 September**

11am **On the reconstruction of compound bedforms from ancient aeolian strata, Gale crater, Mars**  
 » [Dr. Steven Banham](#), Prof. Sanjeev Gupta, Dr. Dave Rubin, Dr. Kenneth Edgett, Mr. Jason Van Beek, Dr. Jessica Watkins, Dr. Lauren Edgar, Prof. Christopher Fedo, Dr. Ashwin Vasavada

11:15am **Composition Of Diagenetic Features Analysed in Sedimentary Rocks At Gale Crater, Mars, Using Chemcam Onboard Curiosity Rover**  
 » [Dr. Nicolas Mangold](#), Dr. Jonas L'Haridon, Dr. Olivier Forni, Dr. Pierre-Yves Meslin, Dr. Marion Nachon, Dr. Samuel Clegg, Dr. Nicolas Mangold, Dr. Agn es Cousin, Dr. Abigail Fraeman, Dr. Jens Frydevang, Dr. Olivier Gasnault, Dr. Briony Horgan, Prof. Jeffrey Johnson, Dr. Laetitia Le Deit, Dr. St ephane Le Mou elic, Dr. Sylvestre Maurice, Prof. Horton Newsom, Dr. Susanne Schwenzer, Dr. Roger Wiens

11am **7.D Integrated approaches to the recognition of contourite depositional systems**  
*ROOM Blue1*  
 Chaired by: Dr. Michele Rebesco and Dr. Eleonora Martorelli and Prof. David Van Rooij and Prof. Francisco Javier Hern andez-Molina and Giancarlo Davoli

11am **Depicted global palaeoceanographic changes by the study of contourite depositional systems: an example from the Mozambique Channel**  
 » [Mr. Antoine Thieblemont](#), Prof. Francisco Javier Hern andez-Molina, Mr. Francois Raison

11:15am **The role of Coriolis forces and Ekman boundary layers in controlling sediment transport in contour currents: Experiments and Theory**  
 » [Prof. Mathew Wells](#), Dr. Shahrzad Jazi, Prof. Jeff Peakall, Dr. Robert Dorrell

11am **SKT 11.E (30 minutes) - 11.E New frontiers in mudrock sedimentology and stratigraphy**  
*ROOM Blue3*  
 Chaired by: Dr. Gabriele Gambacorta and Prof. Juergen Schieber

11am **Changing Perceptions of Mud Depositional Processes as a Consequence of Flume Studies**  
 » [Prof. Juergen Schieber](#)

12:30pm **LUNCH (12:30pm -13:30pm)**

1:30pm **5.B Palaeosols: a treasure chest to understand the sedimentary processes in continental realm**  
*ROOM 8 ESD*  
 Chaired by: Dr. Giorgio Basilici and Marco Benvenuti and Dr. Isabelle Cojan and Prof. Stefano Carnicelli and Dr. Maria Sol Raigemborn and Dr. Augusto Varela and Dr. Andre Marconato

1:30pm **Precambrian lateritic paleosols from Aravalli Supergroup, western Rajasthan: Implications for hot-humid weathering and early life on Earth**  
 » [Mr. Rohit Kumar](#), Mrs. Neha Upreti, Mr. Abdul Hameed, Mr. Nandan Kumar, Prof. Pankaj Srivastava

1:45pm **Calcisols: precious paleoenvironmental archives of the Oligo-Miocene transition in SE France**  
 » [Dr. Thomas Gillot](#), Dr. Isabelle Cojan

1:30pm **2.A Estuarine systems: from morphodynamics to stratigraphy**  
*ROOM 1 ESD*  
 Chaired by: Prof. Andrea D'Alpaos and Prof. Massimiliano Ghinassi and Dr. Alvise Finotello

1:30pm **Morphological features, stratal architecture, and dynamics of a salt-marsh meandering channel in the Venice Lagoon (Italy).**  
 » [Prof. Andrea D'Alpaos](#), Prof. Massimiliano Ghinassi, Dr. Marta Pastro, Dr. Alvise Finotello, Prof. Marco Marani

Continued from **Wednesday, 11 September**

- 1:45pm **Backwater control on the dimension and architecture of fluvial-deltaic stratigraphy: From cross bed to bar**  
 » [Mr. Chenliang Wu](#), Prof. Jeffrey Nittrouer, Dr. Travis Swanson, Dr. Hongbo Ma, Mr. Eric Barefoot, Prof. Jim Best, Prof. Mead Allison
- 1:30pm **11.D Siliciclastic-carbonate and other mixed deposits: sedimentology and reservoir properties**  
 ROOM 11 ESD  
 Chaired by: Dr. Domenico Chiarella and Prof. Marcello Tropeano and Lorena Moscardelli
- 1:30pm **Characteristics and formation mechanisms of Cenozoic lacustrine dolomudstone reservoir in Shizigou region of Qaidam Basin**  
 » [Mr. Guangyong Song](#)
- 1:45pm **Morphology and internal structure of mixed bio-siliciclastic coastal barriers: flume experiments**  
 » [Dr. Alissia Rieux](#), Dr. Pierre Weill, Dr. Dominique Mouazé, Prof. Bernadette Tessier
- 2pm **Depositional Evolution of the Albian Mixed Carbonate-Siliciclastic System in the Gabon-Lower Congo Salt Basin**  
 » [Dr. Xiaomin Wang](#), Prof. Xiaolin Hu
- 2:15pm **Mixing Processes and Fluvial-lake Interactions in Sunnyside Delta Interval, Eocene Green River Formation, Uinta Basin, Utah**  
 » [Dr. Jianqiao Wang](#), Dr. Piret Plink-Björklund
- 2:30pm **Rock types and reservoir properties of tight oil in the Permian Lucaogou Formation, Jimsar sag, Northwestern China**  
 » [Prof. Kelai Xi](#), Prof. Yingchang Cao, Prof. Keyu Liu

- 1:30pm **SKT 11.F (30 minutes) - 11.F Recent advances in carbonate diagenesis studies: analytical challenges and application to case histories**  
 ROOM Galasso  
 Chaired by: Dr. Marta Gasparri and Tatyana Gabellone and Dr. Cédric M. John
- 1:30pm **Towards a definition of the deep burial realm in carbonate diagenesis**  
 » [Prof. Adrian Immenhauser](#)
- 1:30pm **7.G The sedimentary record of earthquakes, tsunamis, and other extreme/catastrophic events**  
 ROOM Aula Magna  
 Chaired by: Prof. Massimo Moretti and Jasper Knight and Mastronuzzi Giuseppe and Andreas Vött
- 1:30pm **Interacting geological hazards in the Sevan Lake basin**  
 » Mr. Ara Avagyan, [Ms. Seda Avagyan](#), Mr. Tatul Atalyan
- 1:45pm **Pleistocene successions point at neglected hazards of climate warming**  
 » [Prof. Tom Van Loon](#), Prof. Malgorzata Pisarska-Jamrozy
- 2pm **Outburst flood-generated sand dunes in south eastern Norway - beyond the aeolian paradigm**  
 » [Dr. Louise Hansen](#), Dr. Georgios Tassis, Mr. Fredrik Høgaas
- 2:15pm **Sediment Stratigraphic and Geomorphic Evidence of Large Paleearthquakes along the West Coast of Andaman Island**  
 » [Mr. Afzal Khan](#)
- 2:30pm **Storm coastal flooding assessment during medicane "Zorbas" in south-eastern Sicily**  
 » Dr. Giovanni Scicchitano, [Mr. Giovanni Scardino](#), Prof. Carmelo Monaco, Mr. Arcangelo Piscitelli, Mr. Giuseppe Locuratolo, Mr. Francesco De Giosa, Mr. Maurilio Milella, Prof. Giuseppe Antonio Mastronuzzi, Mr. Sebastiano Tarascio

Continued from **Wednesday, 11 September**

- 2:45pm **Emplacement of large boulders along the southern segment of the Gulf of Cadiz : tsunamis or storms ?**  
» Dr. Fida Medina, Prof. Nadia Mhammdi, Mr. Adil Chiguer, Dr. Zaineb Belkhat, Prof. Anas Emran, Ms. Sofia Hakdaoui
- 1:30pm **7.1 Evaporites on Earth and beyond**  
*ROOM Odeion*  
Chaired by: Prof. Stefano Lugli and Maciej Babel and Vinicio Manzi
- 1:30pm **The marginal zone of the Middle-Late Famennian Pripyat potash-bearing basin**  
» Dr. Natalia Petrova, Dr. Natalia Denisova, Mr. Aliaksei Kirykovich
- 1:45pm **Sedimentology, stratigraphy and depositional environment of the Cretaceous evaporites of the West African margin, insight from the proximal domain of the South Gabon, Congo and Cabinda area**  
» Dr. Alexandre Pichat, Dr. Laurent Gindre-Chanu, Mr. Vincent Delhayepat, Mr. Andrew Pedley
- 2pm **The Early Messinian Evaporitic Unit of the Las Minas Basin (SE Spain)**  
» Mr. Victoriano Pineda, Dr. Luis Gibert, Dr. Francisco Javier Gracia Veigas, Dr. Mónica Sánchez-Román, Dr. Jesús Soria
- 1:30pm **1.D The carbonate platform record of extreme palaeoenvironmental events**  
*ROOM Partenone*  
Chaired by: Dr. Mariano Parente and Dr. Helmut Weissert and Dr. Sabrina Amodio
- 1:30pm **A Tethys-wide crisis of shallow water carbonate production during the Carnian Pluvial Episode (Late Triassic)**  
» Dr. Xin Jin, Prof. Piero Gianolla, Dr. Marco Franceschi, Prof. Zhiqiang Shi, Dr. Marcello Caggiati, Mr. Yixing Du, Prof. Nereo Preto

- 1:45pm **A review of the paleoenvironmental and tectonic evolution of the Mt. Giano area (Central Italy)**  
» Dr. Cristina Muraro, Dr. Franco Capotorti
- 2pm **Record of the Triassic/Jurassic shallow-water carbonate platform with mangrove-type palaeoenvironments (Albanian Alps)**  
» Dr. Michal Krobicki, Mrs. Jolanta Iwanczuk, Dr. Maria Barbacka, Dr. Bardhyl Muceku
- 2:15pm **Expression of the Toarcian Ocean Anoxic Event (TOAE) in extremely shallow environments from Central Atlas, Morocco**  
» Prof. Thierry Adatte, Mr. Arnaud Ruchat, Dr. Jorge E. Spangenberg
- 2:30pm **Clipped  $\delta^{13}C$  carbonate platform record and Early Cretaceous oceanic anoxic events, Dinarides, Croatia**  
» Prof. Antun Husinec, Prof. J. Fred Read
- 2:45pm **Shallow Carbonate Platform development and demise during the Early Aptian – Links with OAE 1a (Southern Iberian Palaeomargin - Sierra de Mariola, SE Spain)**  
» Mr. Rafael Martínez, Dr. José Manuel Castro, Dr. Ginés Alfonso de Gea, Dr. Luis M. Nieto, Dr. Pedro A. Ruiz-Ortiz, Dr. Peter W. Skelton
- 1:30pm **7.D Integrated approaches to the recognition of contourite depositional systems**  
*ROOM Blue1*  
Chaired by: Dr. Michele Rebesco and Dr. Eleonora Martorelli and Prof. David Van Rooij and Prof. Francisco Javier Hernández-Molina and Giancarlo Davoli
- 1:30pm **Contourite cyclicity: A case study from the Gulf of Cadiz**  
» Prof. Dorrik Stow, Dr. Zeinab Smillie, Mr. Jiawei Pan, Dr. Clayton Magill, Mr. Jonathan Wilkin, Dr. Onoriode Esegbue, Prof. Thomas Wagner, Ms. Sandra De Castro Santos, Prof. Francisco Javier Hernández-Molina, Dr. Andre Bahr, Dr. Emmanuelle Ducassou, Prof. Francisco Javier Sierro

Continued from **Wednesday, 11 September**

- 1:45pm **Mediterranean Outflow Water and contourites over two analog climate cycles in the Gulf of Cadiz**  
 » Mr. Paul Moal-Darrigade, Dr. Emmanuelle Ducassou, Dr. Jacques Giraudeau, Ms. Viviane Bout-Roumazielles, Mr. Roger D. Flood
- 2pm **Effects of Latest Miocene Mediterranean isolation on Atlantic Neogene basins around the Gulf of Cádiz**  
 » Mr. Zhi Lin Ng, Prof. Francisco Javier Hernández-Molina, Ms. Debora Duarte, Prof. Francisco Javier Sierro, Dr. Santiago Ledesma, Dr. Estefania Llave, Dr. Cristina Roque
- 2:15pm **An updated late Quaternary stratigraphic model for the northern Gulf of Cadiz continental margin**  
 » Mr. Thomas Mestdagh, Dr. Francisco J. Lobo, Dr. Estefania Llave, Prof. Francisco Javier Hernández-Molina, Prof. David Van Rooij
- 2:30pm **Bottom Currents and Slope Process Interaction in the Algeiras Submarine Canyon (NE Strait of Gibraltar)**  
 » Dr. Juan-Tomás Vázquez, Dr. David Casas, Dr. Desirée Palomino, Prof. Belen Alonso, Dr. Gemma Ercilla, Dr. Luis Miguel Fernández-Salas, Dr. Nieves López-González, Dr. Pilar Mata, Dr. José Nespereira, Ms. M<sup>a</sup> Olvido Tello, Dr. Patricia Bárcenas Gascon
- 2:45pm **New morphoseismic evidence revealing the respective influence of downslope and alongslope processes (Guadiaro Canyon, NW Alboran Sea)**  
 » Dr. Carmen Juan, Prof. Belen Alonso, Dr. Gemma Ercilla, Mr. Ferran Estrada, Dr. David Casas, Dr. Desirée Palomino, Dr. Juan-Tomás Vázquez
- 1:30pm **SKT 7.F (30 minutes) - 7.F Subaqueous mass movements and their consequences: from scientific knowledge to geohazard assessment**  
*ROOM Blue2*  
 Chaired by: Dr. Daniele Casalbore and Lorena Moscardelli and Dr. Mike Clare and Dr. David Casas and Prof. Francesco Chiocci

- 1:30pm **Submarine mass movements affecting the Almanzora-Alías-Garrucha canyon system (SW Mediterranean).**  
 » Dr. David Casas, Dr. Gemma Ercilla, Prof. Belen Alonso, Dr. Mariano Yenes, Dr. Daniele Casalbore, Dr. José Nespereira, Mr. Ferran Estrada, Prof. Francesco Chiocci, Dr. Javier Idarraga, Mr. Manuel Teixeira, Dr. Silvia Ceramicola
- 1:30pm **11.H Sedimentary heterogeneity controls on fluid flow in aquifers and hydrocarbon reservoirs**  
*ROOM Blue3*  
 Chaired by: Giacomo Medici and Dr. Luca Colombera and Dr. Na Yan and Dr. Mattia Marini and Prof. Nigel P. Mountney
- 1:30pm **Combined inverse and forward numerical models of fluvial meandering-channel evolution and facies distributions**  
 » Dr. Marion Parquer, Dr. Na Yan, Dr. Luca Colombera, Prof. Nigel P. Mountney, Dr. Pauline Collon, Prof. Guillaume Caumon
- 1:45pm **Sedimentary characteristics and oil-water movement law of different shallow water delta**  
 » Mr. Qiongyuan Wu, Mr. Yingxian Liu, Mr. Xiaoming Chen, Mr. Hanqing Zhao, Mr. Mingzhe Cui
- 2pm **Study on characteristics of tight gas reservoirs in upper Paleozoic of Linxing area, Ordos Basin**  
 » Dr. dingye zheng, Prof. Xiongqi Pang
- 2:15pm **Difference of Production Characteristics of ASP flooding in distributary channel in shallow water delta**  
 » Dr. Duanchuan Lyu, Prof. Chengyan Lin, Prof. Lihua Ren, Prof. Chunmei Dong
- 2pm **SKT 5.B (30 minutes) - 5.B Palaeosols: a treasure chest to understand the sedimentary processes in continental realm**  
*ROOM 8 ESD*  
 Chaired by: Dr. Giorgio Basilici and Marco Benvenuti and Dr. Isabelle Cojan and Prof. Stefano Carnicelli and Dr. Maria Sol Raigemborn and Dr. Augusto Varela and Dr. Andre Marconato



Continued from **Wednesday, 11 September**

2pm **Evidence of Ediacaran life on land preserved in the oldest pedogenic siderites**  
 » [Dr. Maciej Bojanowski](#), Ms. Magdalena Goryl, Dr. Barbara Kremer, Dr. Beata Marciniak-Maliszewska, Prof. Jan Środoń

2pm **SKT 2.A (30 minutes) - 2.A Estuarine systems: from morphodynamics to stratigraphy**  
 ROOM 1 ESD

2pm **How tides and rivers shape levees and crevasses: Holocene overbank phases of the Old Rhine river, the Netherlands**  
 » [Dr. Harm Jan Pierik](#), Mr. Jelle Moree, Mrs. Lonneke Roelofs, Mr. Marcio Boechat Albernaz, Dr. Antoine Wilbers, Mr. Jasper Leuven, Dr. Tjalling de Haas, Prof. Maarten Kleinhans

2pm **11.F Recent advances in carbonate diagenesis studies: analytical challenges and application to case histories**  
 ROOM Galasso  
 Chaired by: Dr. Marta Gasparrini and Tatyana Gabellone and Dr. Cédric M. John

2pm **Carbonates U-Pb geochronology by LA-ICP-MS: a new tool to provide absolute time constraints in diagenetic studies**  
 » [Mrs. Damaris Montano](#), Dr. Marta Gasparrini, Dr. Axel Gerdes, Prof. Giovanna Della Porta, Dr. Rohais Sébastien, Dr. Richard Albert

2:15pm **Paired clumped isotopes - U/Pb reveal 40 Myrs of 'early' diagenetic history at Resolution Guyot**  
 » [Dr. Cédric M. John](#), Mrs. Maria Gusarevitch, Prof. Randall Parrish

2:30pm **Multi-phase dolomitization combined with dyke-like breccias in a hyper-extended rift margin. Case study from Jurassic carbonates of the northern Pyrenees (France)**  
 » [Mr. Geoffrey Motte](#), Dr. Guilhem Hoareau, Dr. Eric C. Gaucher, Prof. Jean-Paul Callot, Dr. Sidonie Revillon

2:45pm **Tectonically-induced oil migration in the south-eastern Pyrenean foreland basin**  
 » [Mr. David Cruset](#), Dr. Irene Cantarero, Dr. Jaume Vergés, Dr. Antonio Benedicto, Dr. Cédric M. John, Dr. Axel Gerdes, Dr. Richard Albert, Dr. Anna Travé

2pm **7.F Subaqueous mass movements and their consequences: from scientific knowledge to geohazard assessment**  
 ROOM Blue2  
 Chaired by: Dr. Daniele Casalbore and Lorena Moscardelli and Dr. Mike Clare and Dr. David Casas and Prof. Francesco Chiocci

2pm **Are powerful turbidity currents always caused by and major external triggers?**  
 » [Mr. Lewis Bailey](#), Dr. Mike Clare, Dr. Kurt Rosenberger, Dr. Matthieu Cartigny, Prof. Peter Talling, Dr. Charles Paull, Dr. Roberto Gwiazda, Prof. Daniel Parsons, Dr. Jingping Xu

2:15pm **Active dynamics in the S.Elia - Foxi Canyon (Cagliari Basin - Southern Sardinia)**  
 » [Dr. Antonietta Meleddu](#), Dr. Luca Giacomo Costamagna, Dr. Giacomo Deiana, Prof. Luciano Lecca, Prof. Paolo Emanuele Orrù

2:30pm **Distribution of gas within a Black Sea submarine landslide from AUV sub-bottom profiler data**  
 » [Mr. Jonathan Ford](#), Dr. Francesca Zolezzi, Dr. Angelo Camerlenghi

2:45pm **Morpho-stratigraphic characterization of the S. Eufemia landslide (Southern Tyrrhenian Sea)**  
 » [Dr. Daniele Casalbore](#), Dr. Alessandro Bosman, Dr. Eleonora Martorelli, Prof. Francesco Chiocci

2:30pm **5.BBalaeosols: a treasure chest to understand the sedimentary processes in continental realm**  
 ROOM 8 ESD  
 Chaired by: Dr. Giorgio Basilici and Marco Benvenuti and Dr. Isabelle Cojan and Prof. Stefano Carnicelli and Dr. Maria Sol Raigemborn and Dr. Augusto Varela and Dr. Andre Marconato

Continued from **Wednesday, 11 September**

2:30pm **Palaeocatena in ancient distributive fluvial systems: a sediment-palaeosol approach (Upper Cretaceous, Bauru Basin, Brazil)**

» [Mr. Marcus Vinícius Theodoro Soares](#), Dr. Giorgio Basilici, Dr. Thiago Marinho, Dr. Agustín Martinelli, Dr. Andre Marconato, Dr. Francisco Abrantes Jr, Mr. Richard Vasconez

2:45pm **Climate control on Late Pleistocene paleosols in the Po Basin (northern Italy)**

» [Dr. Luigi Bruno](#), Dr. Michela Marchi, Ms. Ilaria Bertolini, Mr. Guido Gottardi, Prof. Alessandro Amorosi

2:30pm **2.A Estuarine systems: from morphodynamics to stratigraphy**

ROOM 1 ESD

Chaired by: Prof. Andrea D'Alpaos and Prof. Massimiliano Ghinassi and Dr. Alvise Finotello

2:30pm **Fluvial sedimentology underneath river dikes in the Rhine-Meuse delta, The Netherlands: controlling piping potential.**

» [Mr. Tim Winkels](#), Dr. Esther Stouthamer, Dr. Kim Cohen, Prof. Hans Middelkoop

2:45pm **History of Habitat Change due to Sea Level Rise using Benthic Foraminiferal Assemblages, and its Prospects for the Marsh- and Mangrove-fringed Coastline of the Everglades (South Florida, USA)**

» [Dr. Zoe Verlaak](#), Prof. Laurel Collins

2:30pm **SKT 7.1 (30 minutes) - 7.1 Evaporites on Earth and beyond**

ROOM Odeion

Chaired by: Prof. Stefano Lugli and Maciej Bąbel and Vinicio Manzi

2:30pm **Sulfate microbialites. The impact of organomineralization on saline sediment formation**

» [Dr. M. Esther Sanz-Montero](#), Mr. Pablo del Buey, Dr. Oscar Cabestrero, Dr. Juan Pablo Rodríguez-Aranda

2:30pm **SKT 11.H (30 minutes) - 11.H Sedimentary heterogeneity controls on fluid flow in aquifers and hydrocarbon reservoirs**

ROOM Blue3

Chaired by: Giacomo Medici and Dr. Luca Colombera and Dr. Na Yan and Dr. Mattia Marini and Dr. Mattia Marini

2:30pm **Sedimentary heterogeneity controls on TCE Migration in a Superficial Deposit**

» [Dr. Kevin Leahy](#)

3pm **COFFEE BREAK (3:00pm - 3:30pm)**

3:30pm **5.B Palaeosols: a treasure chest to understand the sedimentary processes in continental realm**

ROOM 8 ESD

Chaired by: Dr. Giorgio Basilici and Marco Benvenuti and Dr. Isabelle Cojan and Prof. Stefano Carnicelli and Dr. Maria Sol Raigemborn and Dr. Augusto Varela and Dr. Andre Marconato

3:30pm **Exploring the palaeohydrological significance of buried Holocene sediment-soil sequences in the Campine area, NE Belgium**

» [Dr. Koen Beerten](#), Mr. Koen Hebinck, Mr. Wouter Van der Meer, Dr. Bertrand Leterme, Dr. Laurent Wouters, Mr. Jan Bastiaens, Mr. Miel Schurmans

3:45pm **Implications of palaeosols in low net-to-gross fluvial architecture reconstruction: reservoirs analogues from Patagonia and Spain**

» [Dr. Augusto Varela](#), Mr. Luis Miguel Yeste, Prof. César Viseras, Dr. Fernando García-García

4pm **Models of pedolithogenesis and soil evolution**

» [Dr. Alexander Alexandrovskiy](#)

4:15pm **Pleistocene Loess-Paleosol Sequences in Arid Central Asia: State of Art**

» [Dr. Jiarui Mao](#), Prof. Xiong Wu

Continued from **Wednesday, 11 September**

- 4:30pm **Micromorphology of surface soils and Late Pleistocene buried paleosols formed in loess in the arid regions of Eurasia**  
» [Dr. Marina Lebedeva](#), Dr. Alexander Makeev, Ms. Tatiana Romanis, Dr. Alexey Rusakov, Dr. Redzhep Kurbanov, Dr. Tamara Yanina
- 4:45pm **Thick aeolian deposit of loess paleosol sequence in China and its significances of sedimentary environmental analysis**  
» [Prof. Xiuming Liu](#)
- 3:30pm **SKT 7.B (30 minutes) - 7.B When volcanoes meet the environment**  
*ROOM 1 ESD*  
Chaired by: Dr. Andrea Di Capua and Gabor Kereszturi
- 3:30pm **Insights on transport and deposition processes of pyroclastic density currents from large scale experiments**  
» [Dr. Roberto Sulpizio](#)
- 3:30pm **11.D Siliciclastic-carbonate and other mixed deposits: sedimentology and reservoir properties**  
*ROOM 11 ESD*  
Chaired by: Dr. Domenico Chiarella and Prof. Marcello Tropeano and Lorena Moscardelli
- 3:30pm **Sedimentology and Reservoir Quality of a Stratigraphically Trapped Clastic Reservoir, Shammar Play, North Oman**  
» [Dr. Aisha Al Hajri](#), Dr. Irene Gomez-Perez
- 3:45pm **Cergowa Beds (Outer Carpathians, Oligocene) as an example of ancient mixed siliciclastic-carbonate deep marine system**  
» [Mr. Paweł Godlewski](#), Dr. Joanna Pszonka, Prof. Marek Wendorff
- 4pm **Sedimentary Facies of Coquina Limestone in Da'anzhai Member, Lower Jurassic in Northeastern Sichuan Basin, China**  
» [Mr. Chao Chen](#), Dr. Xuefei Yang

- 3:30pm **11.F Recent advances in carbonate diagenesis studies: analytical challenges and application to case histories**  
*ROOM Galasso*  
Chaired by: Dr. Marta Gasparrini and Tatyana Gabellone and Dr. Cédric M. John
- 3:30pm **Integrating geochemistry and regional geology: constraints on the Dolomia Principale (Norian, Italy) diagenetic history**  
» [Prof. Fabrizio Berra](#), Prof. Karem Azmy, Prof. Giovanna Della Porta
- 3:45pm **Syn-rift hydrothermal fluid circulation in the Mesozoic carbonates of the Adriatic continental palaeomargin (Southalpine Domain; Piemonte Alps, NW Italy): evolution through time and space.**  
» [Dr. Carlo Bertok](#), Dr. Luca Barale, Dr. Anna d'Atri, Prof. Luca Martire, Dr. Alizia Mantovani, Prof. Stefano Bernasconi, Dr. Axel Gerdes
- 4pm **Prediction of Hydrothermally Altered Permian Gas Reservoirs From Thailand**  
» [Dr. Philippe Lapointe](#)
- 4:15pm **Stratigraphic Controls on Diagenesis in the Paleogene - Neogene Strata on Grand Cayman, British West Indies**  
» [Mr. Cole McCormick](#), Dr. Brian Jones
- 4:30pm **A conceptual model to investigate the impact of diagenesis on the Ordovician carbonate cap rock from Tarim Basin, China**  
» [Mr. Jun Wu](#), Prof. Tailiang Fan
- 4:45pm **Evolution of the Ordovician Tarim Basin Carbonate Reservoir Under Deep-Burial Diagenesis: Fresh Insights from SIMS**  
» [Dr. Jiaqing Liu](#), Prof. Zhong Li
- 3:30pm **4.B Linking deep water depositional processes, facies and stratigraphy**  
*ROOM Aula Magna*  
Chaired by: Dr. Jörg Lang and Dr. Juan Fedele and Dr. David Hoyal and Prof. Roberto Tinterri and Dr. Timothy Demko and Prof. Fabiano Gamberi

Continued from **Wednesday, 11 September**

- 3:30pm **New bounding surface hierarchy methodology for recognition of supercritical flow bedforms in outcrop**  
» [Dr. George Postma](#), Dr. David Hoyal, Dr. Timothy Demko, Dr. Juan Fedele, Dr. Jörg Lang
- 3:45pm **The flute paradox: linking flute shape and distribution to flow type**  
» [Prof. Jeff Peakall](#), Prof. Jim Best, Dr. Jaco H. Baas, Prof. David Hodgson, Dr. Mike Clare, Prof. Peter Talling, Dr. Robert Dorrell, Dr. Dave Lee
- 4pm **Channel lobe transition zone dynamics: a comparison of active and passive margin systems**  
» [Dr. Hannah Brooks](#), Prof. Makoto Ito
- 4:15pm **Longitudinal Stratigraphic Trends in Turbidite Sand Sheets (Cerro Toro Formation, Magallanes Basin, Chile) — Any Implication for Allogenic Cycles?**  
» [Mr. Jianan Wu](#), Prof. Benjamin Kneller
- 4:30pm **Process stratigraphic facies and architecture of Brushy Canyon Formation, Texas: Application of supercritical fan model**  
» [Mario Andres Gutierrez](#), Dr. David Hoyal, Dr. Timothy Demko, Mr. Nathan Lentsch, Dr. Juan Fedele
- 4:45pm **Reevaluating Tanqua Karoo deepwater Fan 3 in a process stratigraphic framework**  
» [Mr. Nathan Lentsch](#), Mr. Greg Robertson, Dr. Timothy Demko, Dr. Juan Fedele, Dr. David Hoyal, Dr. Darren Box
- 3:30pm **5.E Sedimentary processes, stratal architecture and stratigraphy of alluvial systems**  
*ROOM Odeion*  
Chaired by: Prof. Massimiliano Ghinassi and Dr. Luca Colombera and Prof. Christopher Fielding and Dr. Marco Mancini

3:30pm **Numerical modelling of vegetated braided planform dynamics**  
» [Dr. Guglielmo Stecca](#), Mr. Davide Fedrizzi, Dr. Murray Hicks, Prof. Guido Zolezzi, Prof. Walter Bertoldi, Mr. Richard Measures, Dr. Michal Tal

3:45pm **Is Distinguishing Braided vs. Meandering Rivers a Valid Exercise?**  
» [Prof. John Holbrook](#), Ms. Sarah Allen

3:30pm **SKT 1.D (30 minutes) -**  
**1.D The carbonate platform record of extreme palaeoenvironmental events**  
*ROOM Partenone*  
Chaired by: Dr. Mariano Parente and Dr. Helmut Weissert and Dr. Sabrina Amodio

3:30pm **How healthy carbonate platforms react to extreme paleoenvironmental disturbances - Insights from the Cretaceous Arabian Platform**  
» [Prof. Volker Vahrenkamp](#)

3:30pm **7.D Integrated approaches to the recognition of contourite depositional systems**  
*ROOM Blue1*  
Chaired by: Dr. Michele Rebesco and Dr. Eleonora Martorelli and Prof. David Van Rooij and Prof. Francisco Javier Hernández-Molina and Giancarlo Davoli

3:30pm **Quantitative characterisation of contourite deposits using medical CT**  
» [Dr. Thomas Vandorpe](#), Mr. Tim Collart, Prof. Veerle Cnudde, Dr. Susana Lebreiro, Prof. Francisco Javier Hernández-Molina, Prof. Belen Alonso, Dr. Anxo Mena, Ms. Laura Antón, Prof. David Van Rooij

3:45pm **Processes that form three carbonate-specific types of contourite drifts**  
» [Prof. Gregor Eberli](#), Prof. Christian Betzler

Continued from **Wednesday, 11 September**

- 4pm **Bottom currents control on cold-water coral mounds development, Santos Basin, Southwestern Atlantic, Brazil**  
» Mr. Fernando Castro, Ms. Marilia Castro, Mr. Cesar Ribeiro, Mr. Esmeraldino Oliveira Jr, Mr. Marco Aurelio Merschmann, [Dr. Adriano R. Viana](#)
- 4:15pm **Hiatuses as evidence of bottom current activity on the Ioffe Calcareous Contourite Drift, SW Atlantic**  
» [Prof. Elena Ivanova](#), Dr. Dmitrii Borisov, Prof. Ivar Murdmaa, Dr. Olga Dmitrenko
- 4:30pm **Glacigenic contouritic sediments at the Argentine Continental Margin in deepwater channels and pockmarks**  
» [Dr. Graziella Bozzano](#), Mrs. María Elena Cerredo, Dr. Marcela Remesal, Dr. Till Hanebuth, Dr. Tilmann Schwenk, Mrs. Daniela Spoltore, Mr. José Isola, Dr. Alejandro Tassone, Dr. Roberto Violante
- 4:45pm **Sedimentary processes and oceanographic features around the Bahia Blanca Submarine Canyon System, SW Atlantic**  
» [Mrs. Ornella Silvestri](#), Dr. Roberto Violante, Prof. Alberto Piola, Dr. Graziella Bozzano, Dr. Gemma Ercilla
- 3:30pm **7.F Subaqueous mass movements and their consequences: from scientific knowledge to geohazard assessment**  
*ROOM Blue2*  
Chaired by: Dr. Daniele Casalbore and Lorena Moscardelli and Dr. Mike Clare and Dr. David Casas and Prof. Francesco Chiocci
- 3:30pm **A detailed investigation of the submarine landslide trends along the continental slope offshore Israel**  
» [Mr. Omri Gadol](#), Dr. Oded Katz, Dr. Mor Kanari, Dr. Or M. Bialik, Dr. Yizhaq Makovsky
- 3:45pm **Multidisciplinary investigation of seafloor instabilities in the Gulf of Lions, Western Mediterranean**  
» [Mr. Shray Badhani](#), Dr. Antonio Cattaneo, Dr. Bernard Dennielou, Dr. Estelle Leroux, Dr. Gwenael Jouet, Dr. Marina Rabineau, Dr. Laurence Droz

- 4pm **Did overpressures develop before the Marques de Pombal mass transport events happened?**  
» [Mr. Davide Mencaroni](#), Dr. Jaume Llopart, Dr. Roger Urgeles, Dr. Eulàlia Gràcia
- 4:15pm **The role of frontal buttress in failure initiation and emplacement style of subaqueous landslides**  
» [Ms. Maddalena Sammartini](#), Dr. Jasper Moernaut, Prof. Achim Kopf, Dr. Sylvie Stegmann, Prof. Flavio S. Anselmetti, Prof. Michael Strasser
- 4:30pm **Rapid-screening of the landslide-tsunami hazard in perialpine lakes**  
» [Dr. Michael Strupler](#), Prof. Flavio S. Anselmetti, Dr. Michael Hilbe, Dr. Katrina Kremer, Prof. Stefan Wiemer
- 4:45pm **Sedimentary Signatures of the Largest Subduction Earthquakes: Japan, Sumatra, and Lombok**  
» [Prof. Leonardo Seeber](#), Prof. Cecilia McHugh, Prof. Troy Rasbury, Prof. Michael Strasser, Dr. Toshiya Kanamatsu, Prof. Ken Ikehara
- 3:30pm **11.H Sedimentary heterogeneity controls on fluid flow in aquifers and hydrocarbon reservoirs**  
*ROOM Blue3*  
Chaired by: Giacomo Medici and Dr. Luca Colombera and Dr. Na Yan and Dr. Mattia Marini and Prof. Nigel P. Mountney
- 3:30pm **Reducing uncertainty in low net to gross reservoirs: heterogeneity distribution in a floodplain outcrop analog**  
» [Prof. César Viseras](#), Mr. Luis Miguel Yeste, Dr. Augusto Varela, Dr. Neil McDougall, Dr. Fernando García-García
- 3:45pm **Determining dominant flow direction of coalbed methane reservoir by well interference test**  
» [Dr. Yintao Dong](#), Prof. Binshan Ju, Prof. Suian Zhang
- 4pm **Application 4D-microtomography for oil recovery evaluation**  
» [Dr. Rail Kadyrov](#)

Continued from **Wednesday, 11 September**

4:15pm **Facies modeling and simulated fluid-flow responses from the turbidite Solitary Channel Complex (Tabernas basin, Spain)**

» [Mr. Marco De Matteis](#), Dr. Patricia Cabello, Mr. Pau Arbués, Dr. Pablo Granado, Prof. Zain Belaustegui, Prof. Miguel López-Blanco, Dr. Timothy Demko, Prof. Josep Anton Muñoz De La Fuente

4:30pm **Clastic injectites and flow regime during injection: examples from the Sea Lion Injectite System, North Falkland Basin**

» [Mr. Thomas Dodd](#), Dr. Dave McCarthy, Dr. Stuart Clarke

4:45pm **Sedimentary heterogeneity and its petroleum controlling of Cretaceous beach-bar facies in Chepaizi area, Xingjiang, China**

» [Dr. Yifan Zhang](#), Prof. Shaochun Yang, Dr. Ya Wang

4pm **7.B When volcanoes meet the environment**

ROOM 1 ESD

Chaired by: Dr. Andrea Di Capua and Gabor Kereszturi

4pm **Volcaniclastic deposits of Mt. Taranaki (New Zealand); recording stratovolcano construction from mass flows**

» [Ms. Aliz Zemeny](#), Prof. Jonathan Procter, Prof. Karoly Nemeth, Prof. Georg Zellmer, Prof. Shane Cronin

4:15pm **Draining a volcano: sand composition from the Ofanto river (southern Italy)**

» [Dr. Paola Donato](#), Prof. Rosanna De Rosa, Dr. Rocco Dominici, Prof. Emilia Le Pera, Mr. Domenico Parise, Mr. Mariano Tenuta

4:30pm **Pencil-jointed clays from the Javakheti Volcanic Highland: mineralogy, petrogeochemistry and formation mechanisms, South Georgia**

» [Mr. Miriani Makadze](#), Prof. Bezhan Tutberidze, Prof. Mariam Akhalkatsishvili, Mr. Davit Makadze

4:45pm **Discovery of Triassic-age detrital zircons in Keuper continental deposits: age of Lisowice bone-bearing horizon (Poland)**

» [Dr. Monika Kowal-Linka](#), Dr. Ewa Krzemińska, Mr. Zbigniew Czupryt

4pm **SKT 5.E (30 minutes) - 5.E Sedimentary processes, stratal architecture and stratigraphy of alluvial systems**

ROOM Odeion

Chaired by: Prof. Massimiliano Ghinassi and Dr. Luca Colombera and Prof. Christopher Fielding and Dr. Marco Mancini

4pm **Why so sceptical? The role of animals in fluvial sediment dynamics**

» [Prof. Stephen Rice](#)

4pm **1.D The carbonate platform record of extreme palaeoenvironmental events**

ROOM Partenone

Chaired by: Dr. Mariano Parente and Dr. Helmut Weissert and Dr. Sabrina Amodio

4pm **Oceanic Anoxic Event 2 (Cenomanian–Turonian) record in the northwestern part of the Adriatic Carbonate Platform (Istria and Kvarner, Croatia) – progress report and future directions**

» [Dr. Vlatko Brčić](#), Dr. Bosiljka Glumac

4:15pm **Palaeocene subaerial exposure surface – the end of the Adriatic Carbonate Platform deposition, island of Brač (Croatia)**

» [Prof. Blanka Cvetko Tešović](#), Dr. Maja Martinuš, Dr. Igor Vlahović

4:30pm **PETM record in an aggrading shallow carbonate ramp succession, Adriatic Carbonate Platform, Slovenia**

» [Mr. Adrijan Košir](#), Prof. Giovanna Della Porta, Dr. Bogomir Celarc

4:45pm **Sapropelic dolomitic marlstones: their early diagenesis and significance**

» [Dr. Daniel Petráš](#)



Continued from **Wednesday, 11 September**

- 4:30pm **SKT 11.D (30 minutes) -  
11.D Siliciclastic-carbonate and other mixed deposits:  
sedimentology and reservoir properties**  
*ROOM 11 ESD*  
Chaired by: Dr. Domenico Chiarella and Prof. Marcello Tropeano and Lorena Moscardelli
- 4:30pm **Scales and heterogeneities in mixed siliciclastic-carbonate  
deposits**  
» [Dr. Domenico Chiarella](#), Prof. Sergio G. Longhitano, Prof. Marcello Tropeano
- 4:30pm **5.E Sedimentary processes, stratal architecture and stratigraphy of  
alluvial systems**  
*ROOM Odeion*  
Chaired by: Prof. Massimiliano Ghinassi and Dr. Luca Colombera and Prof. Christopher Fielding and Dr. Marco Mancini
- 4:30pm **Facies architecture and heterogeneity of rotational point bars  
and implications for reservoir characterisation**  
» [Dr. Na Yan](#), Dr. Luca Colombera, Prof. Nigel P. Mountney
- 4:45pm **Basin-wide correlation of fluvial strata and implications for  
sequence stratigraphy: The Permo-Triassic Central Iberian Basin,  
Spain**  
» [Mr. Maximilian Franzel](#), Dr. Stuart Jones, Prof. Mark Allen, Prof. Ken McCaffrey, Dr. Neil Meadows, Mr. Tim Morgan
- 5pm **7.H Recent insights and outstanding questions in planetary  
sedimentary geology**  
*ROOM 8 ESD*  
Chaired by: Dr. Francesco Salese and Dr. William McMahon and Prof. Maarten Kleinans and Dr. Nicolas Mangold

**Clay deposits in the Jezero paleo-lake on Mars: a study by hydro-morphodynamic modelling**» Ms. Lisanne Braat, [Prof. Maarten Kleinans](#)**Pedogenetic processes and age of soil in Margartifer region on Mars using terrestrial analogues**» [Dr. Anna Chiara Tangari](#), Prof. Lucia Marinangeli, Prof. Fabio Scarciglia, Dr. Loredana Pompilio, Prof. Eugenio Piluso**Seasonal variations of circular sand transport pathways within Moreux crater, Mars.**» [Dr. Marco Cardinale](#), Dr. Riccardo Pozzobon, Dr. Anna Chiara Tangari, Prof. Lucia Marinangeli, Dr. Kirby Runyon, Dr. Maristella Di Primio**Hydrological modeling and minimum lifespan of the Jezero crater delta, Mars**» [Dr. Francesco Salese](#), Prof. Maarten Kleinans, Dr. Nicolas Mangold, Dr. Veronique Ansan, Dr. Tjalling de Haas, Prof. Gilles Dromart**Groundwater evidence within deep Martian basins**» [Dr. Francesco Salese](#), Dr. Monica Pondrelli, Dr. Alicia Neesemann, Mr. Gene Schmidt, Prof. Gian Gabriele Ori**A new assessment of the depositional record at Kimberley (Gale Crater, Mars) using Virtual Reality**» [Dr. Gwénaél CARAVACA](#), Dr. Nicolas Mangold, Dr. Stéphane Le Mouélic, Dr. Laetitia Le Deit, Dr. Marion Massé**In Situ Instrument for Mars luminescence dating application**» [Mr. Fabio Coccaro](#), Mr. Alessio Di Iorio, Prof. Vincenzo Pascucci, Prof. Elizabeth Catlos, Prof. Jose Luis Vasquez-Poletti, Prof. Marcello Coradini, Mr. George A. Danos, Dr. Andres Russu, Prof. Lucia Marinangeli**Layered deposits from the Makgadikgadi Pan (Botswana) as possible analogues of Martian evaporites**» [Dr. Fulvio Franchi](#), Dr. Veronica Rossi, Dr. Stefano Vaiani, Mr. Ruairaidh Mackay, Mr. Paolo Malaspina, Prof. Roberto Barbieri

Continued from **Wednesday, 11 September**

5pm

**2.A Estuarine systems: from morphodynamics to stratigraphy***Museo di Arte Classica*

Chaired by: Prof. Andrea D'Alpaos and Prof. Massimiliano Ghinassi and Dr. Alvise Finotello

**The subsoil of the Burano and Torcello area, Venice lagoon, northern Italy**» [Dr. Massimo Zecchin](#), Dr. Luca Baradello, Dr. Roberto Romeo, Dr. Luigi Tosi**Quantifying accommodation space creation and paleoenvironmental shifts through autocompaction: Lower Cretaceous McMurray Formation, Canada**» [Mr. Lucian Rinke-Hardekopf](#), Prof. Shahin Dashtgard, Dr. James A. MacEachern**Late Holocene Sedimentary Record of Water-column Conditions of a Coastal Basin: Lake Bafa, Western Turkey**» [Dr. Ozlem Bulkan](#), Prof. M.Namık Çağatay**Muddying the waters: Modeling the morphodynamic impact of Paleozoic land plants along the river-estuary-continuum**» [Ms. Muriel Brückner](#), Dr. William McMahon, Prof. Maarten Kleinhans**Simulation experiment on the control of waves on delta front sand bodies**» [Mr. Siyuan Wei](#), Prof. Zhongbao Liu, Mr. Qingan Zhou**A fine explanation method and its application for the shoreward thick fluvial-estuarine sandstone reservoir architecture**» [Dr. Zhilei Shang](#), Ms. Xiangnan Liu, Ms. Shuai Wang, Dr. Laiming Song, Prof. Guangyi Hu**How vegetation affects fluvial pattern and estuarine sedimentation**» Prof. Maarten Kleinhans, Dr. William McMahon, Mr. Steven Weisscher, [Ms. Muriel Brückner](#)**Evaluation of Holocene sea-level index points for a tidal basin of the East-Frisian barrier-island coast**» [Dr. Friederike Bungenstock](#), Dr. Alexander Bartholomä, Mr. Ruggero Capperucci, Dr. Holger Freund, Dr. Martina Karle**Depositional facies and benthic foraminiferal palaeoenvironmental reconstruction of Late-Quaternary successions from Burano Lake (Tyrrhenian Sea)**» [Ms. Markella Asimina Louvari](#), Prof. Piero Bellotti, Prof. Adele Bertini, Prof. Gilberto Calderoni, Dr. Paolo Censi Neri, Prof. Lina Davoli, Dr. Maurizio D'Orefice, Prof. Luca Maria Foresi, Dr. Virgilio Frezza, Dr. Domenico Fiorenza, Dr. Letizia Di Bella**Marine-terrestrial transition in the C-shaped Maastrichtian 'Pyrenean' embayment**» [Mr. Manuel Pérez-Pueyo](#), Dr. Beatriz Bádenas, Dr. Eduardo Puértolas-Pascual, Dr. José Ignacio Canudo**Sedimentary Characteristics And Sand Body Architecture Of The Large Superimposed Shallow-lacustrine Delta**» [Dr. Ge Chen](#)**Seismic architecture of Vistula River mouth (Southern Baltic, Poland)**» [Dr. Radosław Wróblewski](#), Dr. Janusz Dworniczak, Prof. Stanisław Rudowski, Dr. Kazimierz Szeffler**Investigation of tidal point bar geometries through bar-brink and thalweg trajectories**» [Ms. Marta Cosma](#), Prof. Massimiliano Ghinassi, Prof. Andrea D'Alpaos, Dr. Alvise Finotello**The recent evolution of the Po river delta front: morphodynamical and sedimentological characteristics**» Dr. Federica Braga, Prof. Emanuela Molinaroli, Dr. Gian Marco Scarpa, Dr. Giorgia Manfè, Dr. Giuliano Lorenzetti, Dr. Serena De Toffol, [Dr. Luca Zaggia](#)

Continued from **Wednesday, 11 September**

**Latest Pleistocene-Holocene evolution of the Volturno coastal plain-delta system (South Italy) at the turnaround of the Last Glacial Maximum**

» [Prof. Daniela Ruberti](#), Dr. Marco Sacchi, Prof. Fabrizio Pepe, Dr. Marco Vigliotti

**Identifying the Danube ria extension during Holocene using multi-proxy analysis and sedimentological signature of river delta front advance**

» [Prof. Alfred Vespremeanu-Stroe](#), Prof. Florin Pendea, Dr. Laurentiu Tutuiano, Dr. Sabin Rotaru, Dr. Luminita Preoteasa, Prof. Cristian Panaiotu, Dr. Tiberiu Sava, Dr. Florin Zainescu, Dr. Mihaela Dobre, Dr. Dirk Nowacki, Prof. Juergen Wunedrlich

5pm

**1.A Carbonate producers and Cenozoic platforms**

*Museo di Arte Classica*

Chaired by: Prof. Daniela Basso and Dr. Valentina Alice Bracchi and Dr. Giovanni Coletti

**Assessing coral reef health in North Ari Atoll (Maldives Archipelago) using different indices: Amphistegina Bleaching, FORAM and SEDCON Indices.**

» [Ms. Valentina Beccari](#), Mrs. Stephanie Stainbank, Prof. Pamela Hallock, Prof. Daniela Basso, Ms. Marine Fau, Dr. Silvia Spezzaferri, Mx. CUSO Maldives Scientific Party

**Reservoir characteristics and main controlling factors of Precambrian Dengying Formation in Northern Sichuan basin, China**

» [Ms. Yaping Wang](#), Mr. Xingzhi Wang

**Larger Benthic Foraminifera, biofacies and organic-rich depositional environment, the Priabonian Sanetsch Formation (Helvetic nappes W-Switzerland)**

» Prof. Carles Ferrandez-Cañadell, [Dr. Claudia Baumgartner-Mora](#), Prof. Peter Oliver Baumgartner, Prof. Jean-Luc Epard

**Microfacies analysis and diagenetic features of Eocene Nummulites perforatus "banks: examples from the Transylvanian Basin, Romania**

» [Dr. Ples George](#), Mr. Szabolcs-Attila Kövecsi, Dr. Raluca Bindiu-Haitonic, Dr. Lóránd Silye

**Coralline algae abundance in the carbonate factory of the Nummulitic Limestone of the Alpine Foreland Basin**

» Dr. Giovanni Coletti, [Prof. Giovanni Vezzoli](#), Prof. Marco G. Malusà, Dr. Luca Mariani, Prof. Xiumian Hu

**Decapod crustaceans associated with coral reefs from the Lower Eocene (Huesca, Spain): paleoecological implications**

» [Mr. Fernando Ferratges](#), Prof. Marcos Aurell, Dr. Samuel Zamora

**Kuphus beds in an Oligocene carbonate platform (Sierra de la Argüeña, Southeastern Spain): palaeoecological context and relationship with shallowing-upward cycles**

» [Dr. Alice Giannetti](#), Dr. Santiago Falces-Delgado

**Eccentricity-driven  $\delta^{13}C$  cycles in the Miocene carbonate shelf of the S. Marino Fm (northern Apennines)**

» [Dr. Aura Cecilia Salocchi](#), Prof. Nereo Preto, Prof. Daniela Fontana

**Eustatic control on Messinian Evaporites (Rossano Basin - Southern Italy)**

» [Dr. Mario Borrelli](#), Prof. Edoardo Perri, Dr. Laurent Gindre-Chanu, Prof. Salvatore Critelli

**Formation, transport and deposition of rhodoliths on reefless insular shelves of the Azores volcanic Archipelago, Portugal**

» Dr. Ana Cristina Rebelo, [Dr. Michael W. Rasser](#), Dr. Markes Johnson, Dr. Ricardo S. Ramalho, Dr. Rui Quartau, Dr. Sérgio P. Ávila

**Sedimentology and Diagenesis of Recent Surface Sediments Offshore Abu Dhabi, United Arab Emirates**

» [Dr. Mohammad Alsuwaidi](#), Mr. Mostafa Khorsandi

Continued from **Wednesday, 11 September**

5pm

### 11.B New concepts and tools to unravel depositional architecture in deforming basins: From seismic stratigraphy to analogue model

*Museo di Arte Classica*

Chaired by: Andrea Argnani and Prof. Fabiano Gamberi and Dr. Massimo Rossi and Andrew Madof

#### Messinian basin-fill architecture in the Drava Trough: stratigraphic forward modeling and field observations

» [Mr. m Kovacs](#), Dr. Attila Balazs, Mr. Marko pelic, Dr. Imre Magyar, Dr. Orsolya Sztano

#### Evolution of the Vienna Basin

» [Dr. Samuel Rybar](#), Prof. Michal Kovac, Dr. Branislav aly, Dr. ubomir Sliva, Mrs. Petronela Novakova, Mr. Tomas Vlcek, Mr. Tamas Csibri, Dr. Michal ujan, Dr. Michal Jamrich, Dr. Eva Halasova, Dr. Andrej Ruman, Dr. Natalia Hudackova

#### Tectonics and sedimentation relationship in the southern portion of the Hyblean foreland: onshore-offshore correlation

» [Dr. Salvatore Distefano](#), Dr. Giuseppe Tortorici, Prof. Fabiano Gamberi, Dr. Francesco Pavano, Dr. Gino Romagnoli, Prof. Stefano Catalano, Prof. Agata Di Stefano

#### Structural and stratigraphic analysis of virtual outcrop models: The Upper Jurassic section of Lusitanian Basin in the Consolao-Sao Bernardino sector

» [Ms. Sissa Kumaira](#), Dr. Felipe Guadagnin, Dr. Antonio Jorge Campos Magalhaes, Dr. Farid Chemale Junior

#### Forward stratigraphic modelling of mass-transport and turbidite deposits: examples from the Hikurangi margin

» [Ms. Barbara Claussmann](#), Dr. Julien Bailleul, Mr. Anatole Gobetti, Dr. Sergio Courtade, Dr. Daniel Tetzlaff, Dr. Frank Chanier, Dr. Geoffroy Mahieux, Dr. Adam McArthur, Mr. Per Salomonsen, Dr. Bruno Vendeville

#### Effects of tectonic hinges on accommodation successions and sediment supply: insights from outcrops and seismic

» [Dr. Massimo Rossi](#)

#### Quantitative Understanding Tectono-Sedimentary Systems in Exploration Area with Limited Well Control

» [Dr. Xiaoxi Wang](#), Dr. Mokhles Mezghani

#### Establish the Anticlinal Model by Matlab to Evaluate the Accuracy of Volume Estimation with the Volumetric Method

» [Mr. Ma Kuiyou](#), Prof. Pang Hong

#### The impact of the layers thicknesses on the evolution of Fukang fold-thrust belt, Southern Junggar (NW China): insights from analogue modelling

» [Mr. Tianran Li](#)

5pm

### 7.G The sedimentary record of earthquakes, tsunamis, and other extreme/catastrophic events

*Museo di Arte Classica*

Chaired by: Prof. Massimo Moretti and Jasper Knight and Mastronuzzi Giuseppe and Andreas Vott

#### Tempestites vs. Fluxoturbidites: Transition between the Koldaha Shale and the Chorhat Sandstone, Vindhyan Supergroup

» [Dr. Adrita Choudhuri](#), Ms. Indrani Mondal, Mr. Sabyasachi Mandal, Prof. Subir Sarkar

#### Early Cretaceous synsedimentary tectonics: a comparison between the Central Apennines and the Southern Alps

» [Dr. Angelo Cipriani](#)

#### Sedimentological record of syn-rift earthquakes within Permian Barren Measures Formation, Pranhita-Godavari Basin, India.

» [Mr. Abhirup Saha](#), Dr. Biplab Bhattacharya



Continued from **Wednesday, 11 September**

**Sedimentological evidence of rift-related seismic activities in a Paleoproterozoic sedimentary succession: the Espanola Formation, lower Huronian Supergroup, Canada**

» [Dr. Mansour Al-Hashim](#), Dr. Patricia Corcoran

**Recognition and genetic analysis of soft sedimentary deformation structures from Ediacaran to Cambrian in the Aksu area (NW Tarim basin, China)**

» [Prof. Bizhu He](#), Prof. Cunli Jiao, Dr. Zihui Cai, Dr. Ruohan Liu, Dr. Xiaorui Yun

**Soft-Sediment Deformation Structures in the Late Quaternary Lacustrine Sediments at Tashkorgan, Northeastern Pamir, China**

» [Mrs. Lianji Liang](#), Prof. Xiufu Qiao, Prof. Fuchu Dai, Prof. Hanchao Jiang, Dr. Ning Zhong

**Last Deglacial Soft-Sediment Deformation at Shawan on the Eastern Tibetan Plateau and Implications for Deformation Processes and Seismic Magnitudes**

» [Dr. Ning Zhong](#), Prof. Hanchao Jiang, Prof. Haibing Li, Mrs. Hongyan Xu, Dr. Wei Shi, Dr. Siqi Zhang, Dr. Xiaotong Wei

**Seismo-depositional sequence consists of earthquake-induced soft-sediment deformation structures (SSDS) in the Wumishan Formation, North China**

» [Mr. Kai Lu](#), Prof. Zhidong Bao

**Ground-penetrating radar (GPR) investigation of Storegga slide tsunami deposits**

» [Ms. Lucy Buck](#), Prof. Charlie Bristow

**Tsunami and flood deposits identified based on stratigraphic features and diatom assemblages**

» [Ms. Shiori Uchiyama](#), Mr. Junichi Machida, Ms. Yuri Kakubari, Prof. Koichi Hoyanagi

**Comparison between 1D and 2D seismic site response of a fault bounded deep narrow valley: insights from the level 3 Seismic Microzonation of Barete municipality (Central Italy)**

» [Dr. Marco Nocentini](#), Dr. Luca Macerola, Prof. Marco Tallini

**An earthquake triggered massive flood in 888 AD on the Nagano Basin, central Japan**

» [Prof. Koichi Hoyanagi](#), Ms. Shiori Uchiyama

**Historical flood records in Millstaettersee (Carinthia, Austria): from systematic identification to calibration with instrumental data**

» [Mr. Marcel Ortler](#), Mr. Christoph Daxer, Dr. Jyh-Jaan Steven Huang, Prof. Michael Strasser, Dr. Jasper Moernaut

**Sedimentary processes into fault-related basins off western Haïti**

» [Dr. Emmanuelle Ducassou](#), Dr. Sébastien Zaragosi, Dr. Nadine Ellouz-Zimmermann, Mr. Mickael Charpentier, Ms. Priscilla Leclerc, Dr. Youri Hamon, Dr. Remy Deschamps

**Volcaniclastic short-term arrangement in an Argentinian retroarc basin: conservative-uniformitarian vs. difficult-to validate catastrophic processes**

» [Mr. Manuel López](#), Ms. Micaela García, Dr. Joaquín Bucher, Dr. Florencia Milanese, Dr. Leandro D'Elia, Dr. Andres Bilmes, Dr. Maria Sol Raigemborn, Dr. Augusto Varela, Dr. Augusto Rapalini, Dr. Juan Franzese

**Holocene palaeoenvironmental changes and rates of sedimentation, of coastal depositional systems, Peloponnese and South Greece**

» [Prof. Pavlos Avramidis](#)

**Storm impact coastal flooding: an empirical model for sandy coast**

» [Mr. Giovanni Scardino](#), Mr. Maurilio Milella, Mr. Arcangelo Piscitelli, Prof. François Sabatier, Mr. Francesco De Giosa, Prof. Giuseppe Antonio Mastronuzzi

**Large wave-flume experiments on preservation potential of storm activities in beach deposits**

» [Prof. Tae Soo Chang](#), Prof. Kideok Do, Prof. Sungwon Shin

Continued from **Wednesday, 11 September**

**Distinctive sedimentary approaches of AD 1755 Lisbon tsunami deposits in Western Portugal**

» [Mrs. Mihaela Tudor](#), Mrs. Ana Ramos-Pereira, Mr. Pedro J.M. Costa

**Criteria to discriminate coarse-grained paleotsunamites from storm deposits: an integrated study of a lacustrine boulder conglomerate**

» [Mr. Soma Budaj](#), Dr. Imre Magyar, Dr. László Fodor, Dr. Orsolya Sztanó

**The sedimentary features influencing the occurrence and spatial variability of seismites (Gargano Promontory, southern Italy)**

» Prof. Michele Morsilli, Dr. Monica Giona Bucci, Dr. Stefania Lisco, Prof. Massimo Moretti

5pm

**9.A From sediment generation to sediment routing systems**

*Museo di Arte Classica*

Chaired by: Dr. Luca Caracciolo and Prof. David Chew and Prof. Sergio Andò and Dr. Alberto Resentini

**Sediment budget over the last deglacial period on the narrow continental shelf, southern central Vietnam: combining subsurface data and stratigraphic modeling**

» [Dr. Viet Dung Bui](#), Mr. Kieu Nguyen Van

**Comprehensive analysis of sediment sources in the Ordos Basin under the guidance of the Earth System Science Research Method —take the Middle Triassic Series Zhifang Formation in the Ordos Basin as an example**

» [Dr. Kailong Feng](#), Prof. Jingchun Tian, Dr. Ji Teng, Prof. Feng Wang, Dr. Xin Zhang, Prof. Ling Xiao, Prof. Yujuan Lv, Dr. Yitong Yao, Prof. Qinlian Wei, Prof. Mingsheng Zhao

**Provenance of Precambrian-age detrital zircons from Mesozoic sedimentary rocks from southern Poland (Opolian Silesia)**

» [Dr. Monika Kowal-Linka](#), Dr. Ewa Krzemińska, Mr. Zbigniew Czupyt

**Provenance of the Lower Cretaceous in the Vientiane Basin, central Laos: Implications for the paleo-drainage**

» [Dr. Licheng Wang](#)

**Source-to-Sink Paleogeography reconstruction of Emeishan Large Igneous Province to Upper Yangtze Craton in Late Permian**

» [Dr. Xuetian Wang](#), Prof. Longyi Shao

**Application of channel-belt scaling relationship to Middle Jurassic source-to-sink system in the Saishiteng area of the northern Qaidam Basin, NW China**

» [Dr. Bingqiang Liu](#), Prof. Longyi Shao, Dr. Xuetian Wang

**Volcanological and paleoenvironmental implications of volcanic glass from the Okinawa Trough**

» [Dr. Xue Fang](#), Prof. Zhigang Zeng

**Erosion and weathering history in tectonically active mountainous rivers**

» [Mr. Siyi Hu](#), Prof. Zhigang Zeng

**Detrital zircon U-Pb geochronology of the Marnoso-arenacea Formation, northern Apennines, Italy**

» [Dr. Emily Finzel](#), Dr. Timothy Demko, Prof. Roberto Tinterri, Dr. Jörg Lang, Mr. Benjamin Howard

**Origin of chocolate clays in the Middle and Lower Volga River Valley**

» [Mr. Radik Makshaev](#)

**Grain shape parameters using Elliptic Fourier-Principal Component Analysis and its relationship with fluvial transportation**

» [Mr. Yuya Mukaizato](#), Prof. Tohru Ohta

**Characteristics and evolution of the late Permian “source-to-sink” system around the Beisantai Uplift in the Junggar Basin**

» [Dr. Jian Wang](#), Prof. Yingchang Cao, Prof. Keyu Liu





Continued from **Wednesday, 11 September**

**Paleotectonic reconstruction and sources sediments of the Ust-Belsky mountains territory for the albian-turonian time (Koryak Highland, NE Russia)**

» [Ms. Mariia Gushchina](#), Mr. Artem Moiseev, Prof. Marianna Tuchkova

**The sedimentary interplay between the Almanzora river prodelta and Almanzora/Garrucha canyon system (SW Mediterranean)**

» Mrs. Maddalena Biancone, [Dr. Patricia Bárcenas Gascon](#), Dr. Nieves López-González, Dr. David Casas, Dr. Pilar Mata, Prof. Belen Alonso, Dr. Gemma Ercilla, Dr. Daniele Casalborne, Dr. Luis Miguel Fernández-Salas

**Application of machine learning for the discrimination of tectonic settings using sediment geochemistry**

» [Mr. Hiroki Shimizu](#), Prof. Tohru Ohta

**The provenance analysis of the aluminiferous rock series of Upper Carboniferous-Lower Permian Benxi Formation in southeastern part of North China Block**

» [Mr. Xing Zhou](#), Prof. Yang Minghui, Prof. Cao Gaoshe

**Provenance of Permian glaciogenic deposits in Victoria Land (Antarctica): petrography and geochronology**

» [Mr. Luca Zurli](#), Prof. Gianluca Cornamusini, Mr. Giovanni Pio Liberato, Prof. Franco Maria Talarico, Prof. Jusun Woo, Ms. Valentina Corti

**Siwalik mineralogy and geochemistry in India and sediment recycling**

» [Dr. Sunipa Mandal](#)

**Provenance and diagenetic features across the Permo-Triassic boundary in the SE Germanic basin (N Bavaria)**

» [Ms. Meike Janßen](#), Dr. Luca Caracciolo, Mr. Domenico Ravidà, Prof. Harald Stollhofen

**Depositional and compositional controls on diagenesis in Triassic (Buntsandstein) continental deposits of the SE Germanic basin (N Bavaria, Germany).**

» [Mr. Alexander Korthals](#), Mr. Domenico Ravidà, Dr. Luca Caracciolo, Prof. Harald Stollhofen

**External forcing controls on early diagenesis in the Namib Sand Sea (Namibia)**

» [Ms. Diana Hatzenbühler](#), Dr. Luca Caracciolo, Prof. Harald Stollhofen, Prof. Eduardo Garzanti, Prof. Pieter Vermeesch

**Clast's provenance of Miocene glacio-marine sequences in the Ross Sea (Antarctica) from IODP\_exp374 drillcores: a petrographic approach**

» [Mr. Luca Zurli](#), Dr. Matteo Perotti, Prof. Franco Maria Talarico, Dr. Robert McKay, Dr. Laura De Santis, Dr. Denise Kulhanek, Dr. The Expedition 374 Scientists

**Tourmalines and garnets - provenance indicator of the middle Campanian siliciclastic deposits of the Roztocze Hills, SE Poland**

» [Mr. Michał Cyglicki](#), Dr. Zbigniew Remin

**Reconstructing the large-scale sediment delivery systems during the Early Cretaceous in the Neuquén Basin (Argentina)**

» [Dr. Gonzalo D. Veiga](#), Dr. Ernesto Schwarz, Dr. Emily Finzel

5pm

**7.A Marine microbialites: a record of bio-sedimentary processes through time**

*Museo di Arte Classica*

Chaired by: Dr. Marcello Natalicchio and Prof. Edoardo Perri and Prof. Francesco Dela Pierre and Dr. T. Himmler and Prof. Maurice Tucker and Prof. Ismail Omer Yilmaz

**Microbialite vs sponges in cryptic bioconstructions from submarine caves of the Aegean Sea (Eastern Mediterranean)**

» [Dr. Adriano Guido](#), Prof. Franco Russo, Dr. Vasilis Gerovasileiou, Prof. Antonietta Rosso, Prof. Rossana Sanfilippo, Prof. Eleni Voultsiadou, Prof. Adelaide Mastandrea

Continued from **Wednesday, 11 September**

### **Drowning of microbial mounds on the slopes of the Latemar platform (middle Triassic)**

» [Dr. Marco Franceschi](#), Prof. Nereo Preto, Dr. Marcello Caggiati, Dr. Giovanni Gattolin, Dr. Alberto Riva, Prof. Piero Gianolla

### **Constraining the affiliation of microbial filaments in Messinian deposits: insights from molecular fossils**

» [Dr. Marcello Natalicchio](#), Prof. Francesco Dela Pierre, Dr. Daniel Birgel, Prof. Jörn Peckmann

### **Facies and stratigraphic framework of the Late Neoproterozoic Buah outcrop-equivalent Formation, Al-Jabal Al-Akhdar, northern Oman**

» [Dr. Mohamed El-Ghali](#), Dr. Osman Salad Hersi, Dr. Iftikhar Ahmed Abbasi, Ms. Shifa Al Siyabi, Ms. Elham Al Nadabiah, Ms. Sausan Al Oufi, Ms. Hajar Al-Dhuhli, Ms. Iman Al Qassabi

### **Drowning and survival of isolated carbonate buildups in a fast subsiding setting ( Middle Triassic of the Dolomites, Southern Alps)**

» [Dr. Marcello Caggiati](#), Prof. Marco Stefani, Dr. Marco Franceschi, Prof. Piero Gianolla

### **Sedimentary Characteristics and Reservoir Significance of Microbial dolostone in Sinian Qigebrak Formation, Northwest Tarim Basin**

» [Mr. Hanxuan Yang](#)

### **Cleavage dilation and pervasive calcite veins in phyllites as a sign of microbial activity**

» [Dr. Simone Fabbj](#), Prof. Massimo Santantonio

### **Sedimentary processes acting in the hydrothermal area off the Pontine Archipelago (western Mediterranean Sea): Possible Microbialites Growing**

» [Dr. Michela Ingrassia](#), Dr. Aida Conte, Dr. Letizia Di Bella, Dr. Cristina Perinelli, Prof. Francesco Chiocci, Dr. Eleonora Martorelli

5pm

### **7.D Integrated approaches to the recognition of contourite depositional systems**

*Museo di Arte Classica*

Chaired by: Dr. Michele Rebesco and Dr. Eleonora Martorelli and Prof. David Van Rooij and Prof. Francisco Javier Hernández-Molina and Giancarlo Davoli

### **Sedimentary processes at the ODYSSEA Drift (Ross Sea, Antarctica)**

» [Dr. Renata Giulia Lucchi](#), Dr. Andrea Caburlotto, Dr. Stefano Miserocchi, Dr. Yanguang Liu, Prof. Caterina Morigi, Dr. Davide Persico, Prof. Giuliana Villa, Dr. Aldo Winkler, Dr. Patrizia Macrì, Dr. Leonardo Langone, Dr. Ester Colizza, Mr. Rudy Conte, Dr. Michele Rebesco

### **New data on the contourites in the Gotland Deep of the Baltic Sea**

» Dr. Vadim Sivkov, Dr. Dmitrii Borisov, [Mrs. Evgenia Dorokhova](#)

### **Holocene variations in the contour current speed on the Gardar Drift**

» Dr. Vadim Sivkov, Mrs. Evgenia Dorokhova, [Dr. Leyla Bashirova](#), Dr. Ekaterina Novichkova

### **Slope morphology resulting from the long - term interplay of alongslope and downslope processes, NE Rockall Trough, NE Atlantic**

» [Dr. Aggeliki Georgiopoulou](#), Mr. Michael Owens, Prof. Peter Haughton, Mr. Graham Pritchard

### **Lateral heterogeneities in contourite drifts: Consequences for paleoceanographic interpretations and reservoir characterization**

» [Dr. Alexander Petrovic](#)

### **Sedimentological analysis of Bottom Current Reworked Sands; IODP U1389 and U1388 sites, Gulf of Cadiz**

» [Ms. Sandra De Castro Santos](#), Prof. Francisco Javier Hernández-Molina, Prof. Francisco Javier Rodríguez-Tovar, Dr. Estefania Llave, Dr. Anxo Mena



Continued from **Wednesday, 11 September**

**Mediterranean Outflow interaction with the Gulf of Cadiz seafloor: a numerical ocean modelling approach**

» [Dr. Giovanni Fantini](#), Prof. Claudia Romagnoli, Prof. Nadia Pinardi, Prof. Alfredo Izquierdo

**The Southern Contourite Channel (Gulf of Cadiz middle slope): recognition, sedimentary evolution and controlling factors**

» [Dr. Estefania Llave](#), Prof. Francisco Javier Hernández-Molina, Dr. Marga García, Mr. Wouter de Weger, Mr. Zhi Lin Ng, Ms. Debora Duarte, Ms. Sandra De Castro Santos, Prof. Francisco Javier Sierro

**Late Miocene contourite deposits along Gulf of Cádiz and Atlantic margins: evidences of Mediterranean-Atlantic exchange**

» [Mr. Zhi Lin Ng](#), Ms. Debora Duarte, Prof. Francisco Javier Hernández-Molina, Prof. Francisco Javier Sierro, Dr. Cristina Roque, Dr. Estefania Llave, Prof. Rachel Flecker

**Sediments' properties as evidence for the morphosedimentary evolution of Sines Contourite Drift (SW Iberia)**

» [Mr. Manuel Teixeira](#), Dr. Cristina Roque, Dr. Pedro Terrinha, Dr. Anxo Mena, Dr. Fátima Abrantes, Dr. Gemma Ercilla, Dr. David Casas, Dr. Pedro Silva, Ms. Roxane Mathey, Dr. Emília Salgueiro

**Sediment facies from Alboran contourite drifts (SW Mediterranean): sedimentary models and palaeo-hydrodynamic scenarios for the last 26 ka**

» [Prof. Belen Alonso](#), Dr. Gemma Ercilla, Dr. Isabel Cacho, Dr. David Casas, Dr. Nieves López-González, Prof. Francisco Javier Rodríguez-Tovar, Dr. Javier Dorador, Dr. Carmen Juan, Dr. Guillermo Frances, Dr. Thomas Vandorpe, Dr. Juan-Tomás Vázquez

**Holocene contourite sequences from the upper continental slope off Capo Vaticano (southern Tyrrhenian Sea): a very high resolution record of the modified-LIW**

» [Dr. Eleonora Martorelli](#), Dr. Alessandro Bosman, Dr. Daniele Casalbore, Prof. Francesco Chiocci, Dr. Aida Conte, Dr. Letizia Di Bella, Dr. Gemma Ercilla, Dr. Federico Falcini, Dr. Virgilio Frezza, Dr. Giovanni Gaglianone, Dr. Biagio Giaccio, Dr. Marco Mancini

**Bottom current-controlled Quaternary sedimentation at the base of the Malta escarpment**

» [Dr. Angelo Camerlenghi](#), Dr. Michele Rebesco, Dr. Vanni Munari, Dr. Renzo Mosetti, Prof. Aaron Micallef, Dr. Lorenzo Facchin, Dr. Daniela Accetella

**Mediterranean contourite depositional systems and cold-water corals**

» [Dr. Michele Rebesco](#), Dr. Marco Taviani

**Giant buried sediment mounds on the western Saharan margin (NW Africa): Origin, evolution and paleoceanographic implications**

» [Prof. Wei Li](#), Dr. Michele Rebesco, Prof. Sebastian Krastel

**Seismic architecture of the contouritic Blake Plateau (Northern Bahamas)**

» [Ms. Audrey Recouvreur](#), Prof. Thierry Mulder, Prof. Christian Betzler, Dr. Thibault Cavailles, Dr. Hervé Gillet

**The Elusive Continental Rise**

» [Dr. David Mosher](#), Prof. Francisco Javier Hernández-Molina

**Deep-sea sedimentation processes of the Northwest Atlantic: the role of contour currents**

» [Dr. David Mosher](#), Dr. Michele Rebesco, Prof. Jim Gardner, Dr. Calvin Campbell, Dr. David Piper, Dr. Jason Chaytor

**Study of the Contourite Drift north of the Kane Gap (eastern equatorial Atlantic)**

» [Dr. Vadim Sivkov](#), Dr. Leyla Bashirova, Mrs. Evgenia Dorokhova, Mrs. Maria Kapustina, Mrs. Ekaterina Ponomarenko

**Sedimentation and bottom currents on the São Paulo Plateau during the last 167 kyr**

» [Mrs. Evgenia Dorokhova](#), Dr. Ekaterina Ovsepyan, Prof. Ivar Murdmaa

**Contourite Recognition Criteria and Implications on Seismic Stratigraphic Interpretations**

» [Mr. Samuel Plitzuweit](#), Dr. James Macquaker, Mr. John Lien, Dr. Nicole Bayliss, Dr. Juan Fedele, Mr. Mario Gutierrez



Continued from **Wednesday, 11 September**

**Evidences of bottom currents activity on the contourite terraces of the Argentine Passive Continental Margin**

» [Dr. Roberto Violante](#), Dr. Graziella Bozzano, Dr. Gemma Ercilla, Mrs. Ornella Silvestri, Mrs. Daniela Spoltore

**Late Cretaceous hybrid (turbidite-contourite) system on the Argentine Margin: palaeoceanographic and conceptual implications**

» [Ms. Sara Rodrigues](#), Prof. Francisco Javier Hernández-Molina, Ms. Karyna Rodriguez, Dr. Neil Hodgson

**A morphosedimentary characterization of three areas of the Argentine Continental Margin**

» Mr. Fermín Palma, Mr. Juan Pablo Ormazabal, Mr. José Isola, [Dr. Graziella Bozzano](#), Mrs. Daniela Spoltore, Dr. Alejandro Tassone

**Sediment waves in the Northern Argentine Basin (SW Atlantic)**

» [Dr. Dmitrii Borisov](#), Dr. Dmitry Frey, Dr. Oleg Levchenko

**Deep water sedimentary dunes on the Northern Argentine passive margin: characterization and implications**

» [Mr. Adam Kirby](#), Prof. Francisco Javier Hernández-Molina, Dr. Neil Hodgson, Ms. Karyna Rodriguez

**Paleogene contourites in the Morondava Basin, offshore Madagascar: recognition criteria and conceptual implications**

» [Prof. Francisco Javier Hernández-Molina](#), Mr. Adrien Mernat, Mr. Gabor Tari, Dr. Nicola Scarselli

**Contourite drift evolution during the Mesozoic and Cenozoic in the Northern Carnarvon Basin (NW Shelf of Australia)**

» [Mr. Oswaldo Mantilla](#), Prof. Francisco Javier Hernández-Molina, Dr. Nicola Scarselli

**Oceanographic process interaction for contourite feature development: A multidisciplinary approach from the northern South China Sea**

» [Dr. Shaoru Yin](#), Prof. Francisco Javier Hernández-Molina, Dr. Wenyan Zhang, Prof. Jiabiao Li, Prof. Liaoliang Wang, Prof. Weifeng Ding, Prof. Weiwei Ding

**Reversal bottom currents in the gateway of Xisha and Guangle massifs, northwestern South China Sea**

» [Dr. Qiliang Sun](#), Prof. Xinong Xie, Dr. Yintao Lu

**Identification method for logging diagenetic facies of tight sandstone reservoir and its fracturing performance**

» [Ms. Shuwei Ma](#), Dr. Dazhong Ren, Mr. Dengke Liu

**Ancient contourite channels and their sedimentological criteria - Case study from Upper Miocene deposits in the southern Rifian Corridor, Morocco**

» [Mr. Wouter de Weger](#), Prof. Francisco Javier Hernández-Molina, Mr. Olmo Miguez-Salas, Prof. Francisco Javier Rodríguez-Tovar, Prof. Francisco Javier Sierro, Dr. Domenico Chiarella, Dr. Estefania Llave

**Integrated approaches to the recognition of deep-water bottom current deposits from Cyprus**

» [Prof. Francisco Javier Hernández-Molina](#), Dr. Heiko Huneke, Prof. Francisco Javier Rodríguez-Tovar, Dr. Estefania Llave, Mr. Zhi Lin Ng, Dr. Domenico Chiarella, Dr. Anxo Mena, Prof. Dorrik Stow

**Seismic Facies Analysis of the Jurassic Syn-rift Marine Sediments in Eastern Kopet Dagh, NE Iran**

» [Mr. Rooholah Noemani Rad](#), Prof. Christian Gorini, Dr. Gemma Ercilla, Dr. Damien Do Couto

5pm

**7.C Sedimentary processes on high-latitude continental margins**

*Museo di Arte Classica*

Chaired by: Dr. Renata Giulia Lucchi and Prof. Colm O'Cofaigh and Dr. Robert D. Larter and Prof. Matthias Forwick and Dr. Karsten Gohl and Dr. Florence Colleoni

Continued from **Wednesday, 11 September**

**Sedimentary processes on the Antarctic Peninsula Pacific margin: new geophysical and sediment core data**

» [Dr. Robert D. Larter](#), Dr. Claus-Dieter Hillenbrand, Dr. Alastair G. C. Graham, Prof. Francisco Javier Hernández-Molina, Dr. Simon Crowhurst, Prof. David A.V. Hodell, Prof. James E. T. Channell, Dr. Chuang Xuan, Dr. Claire S. Allen, Prof. Werner Ehrmann, Dr. Kelly Hogan, Prof. Nick McCave, Ms. Sara Rodrigues, Dr. Maricel Williams, Dr. Karsten Gohl, Dr. Gabriele Uenzelmann-Neben, Dr. Michele Rebesco

**Holocene sea-level changes in Antarctic margin and GIA estimation based on paleogeographical reconstructions**

» [Ms. Ksenia Poleshchuk](#)

**Modern sediment distribution and composition in Kongsfjorden, Svalbard**

» [Dr. Leonardo Langone](#), Dr. Stefano Aliani, Dr. Federico Giglio, Dr. Patrizia Giordano, Dr. Tommaso Tesi, Dr. Fabrizio Del Bianco, Dr. Stefano Miserocchi

**The paleoclimatic record of the Bellsund and Isfjorden sediment drifts on the western side of Svalbard (Arctic): Preliminary results from clay mineral analyses**

» [Mr. Nessim DOUSS](#), Ms. Maria Elena Musco, Prof. Francesco Princivalle, Dr. Chiara Caricchi, Dr. Renata Giulia Lucchi

**High resolution seismo-stratigraphic evidence from the Edisto Inlet fjord, western Ross Sea (Antarctica)**

» [Ms. Francesca Battaglia](#), Dr. Luca Baradello, Dr. Laura De Santis, Mr. Emiliano Gordini, Dr. Chiara Sauli, Dr. Vedrana Kovacevic, Dr. Danilo Morelli, Dr. Leonardo Langone, Dr. Gualtiero Bohm, Dr. Ester Colizza, Dr. Florence Colleoni, Dr. Michele Rebesco, Dr. Daniela Accetella

**The STREAM project: Late Quaternary evolution of the ocean-ice sheet interactions (Ross Sea - Antarctica)**

» [Dr. Ester Colizza](#), Prof. Boo-Keun Khim, Dr. Paola Del Carlo, Dr. Laura De Santis, Dr. Federico Giglio, Dr. Sangbeom Ha, Dr. Jong Kuk Hong, Dr. Sunghan Kim, Dr. Sookwan Kim, Dr. Jae Il Lee, Dr. Min Kyung Lee, Dr. Patrizia Macri, Dr. Romana Melis, Dr. Stefano Prato, Prof. Franco Maria Talarico, Dr. Fiorenza Torricella

**Relief preservation of a polar deep-sea channel system: the INBIS Channel (NW Barents Sea, Arctic)**

» Dr. Leonardo Rui, [Dr. Michele Rebesco](#), Dr. José Luis Casamor, Prof. Jan Sverre Laberg, Dr. Tom Arne Rydningen, Dr. Andrea Caburlotto, Prof. Matthias Forwick, Dr. Roger Urgeles, Dr. Daniela Accetella, Dr. Renata Giulia Lucchi, Dr. Ivana Delbono, Dr. Mattia Barsanti, Dr. Maurizio Demarte, Prof. Roberta Ivaldi

5pm

**11.E New frontiers in mudrock sedimentology and stratigraphy**

*Museo di Arte Classica*

Chaired by: Dr. Gabriele Gambacorta and Prof. Juergen Schieber

**A Case Study on Lithofacies Characterization and Evaluation of the Marine Shale**

» [Ms. Ziyi Wang](#), Prof. Dongxia Chen, Dr. Lei Chen, Mr. Gaoshan Deng

**Sedimentary facies analysis of the hydrothermally altered lower Myobong Formation (Lower Cambrian), Taebaek, Korea**

» [Mr. Minkyu Oh](#), Prof. Jeong-Hyun Lee

**Mudflow Gully Characteristics and Its Impacts on Natural Gas Reservoir Heterogeneity- A Gas Field in South China Sea**

» [Prof. Shengli Li](#), Prof. Xinghe Yu, Dr. Shunli Li

**Calcified tephra beds and carbonate concretions in Silurian mudstones; the Holy Cross Mountains (Poland)**

» [Dr. Wieslaw Trela](#), Dr. Sylwester Salwa

**Magnetostratigraphic constraints of the Early Permian successions of the Ecca Group, southern Karoo Basin, South Africa.**

» [Mrs. Abosede Abubakre](#), Prof. Michiel De Kock

**Diagenetic Processes Affecting Source Rock Properties – Example of the Vaca Muerta Formation, Neuquén Basin, Argentina**

» [Ms. Philippine Rutman](#), Dr. Guilhem Hoareau, Dr. Alain Lejay, Dr. Jean-Michel Kluska, Dr. Eider Hernandez Bilbabo, Dr. Charles Aubourg, Dr. François Gelin



Continued from **Wednesday, 11 September**

**Pore structure and fractal characteristics of distinct thermally mature shales**

» [Ms. Qianwen Li](#), Dr. Ling Tang

**Investigation of the applicability of Neogene sediments as fillers for polymeric materials**

» [Dr. Eva Wegerer](#), Prof. Nicolai Aust

6pm

**5.B Palaeosols: a treasure chest to understand the sedimentary processes in continental realm**

*ROOM 8 ESD*

Chaired by: Dr. Giorgio Basilici and Marco Benvenuti and Dr. Isabelle Cojan and Prof. Stefano Carnicelli and Dr. Maria Sol Raigemborn and Dr. Augusto Varela and Dr. Andre Marconato

**The soil record of Holocene environmental change in South Central Siberia (S-E Altai)**

» [Dr. Maria Bronnikova](#), Dr. A. R. Agatova, Dr. Roman Nepop, Dr. Yu. V. Konopliyanikova, Dr. Marina Lebedeva

**First Data on the Age of Secondary Carbonate Accumulations in Soils of Baikal Region**

» [Dr. Viktor Golubtsov](#)

**Pleistocene-Holocene sedimentary records from Cueva del Milodón, Cueva del Medio and Cueva Chica (Patagonia, Chile)**

» [Mr. Igor Girault](#), Dr. Dominique Todisco, Dr. Amélie Quiquerez, Dr. Fabiana Martin, Prof. Luis Borrero, Dr. Carole Nehme

**Loess-sandy-soil series of Bryansk region (Russia) as an archive of paleoecological information**

» [Prof. Natalia Kovaleva](#), Dr. Ekaterina Stolpnikova, Prof. Ivan Kovalev

**Paleosols in the Piacenzian of the Valdelsa Basin (Central Italy): a sequence-stratigraphic perspective**

» [Prof. Stefano Carnicelli](#), Dr. Anna Andreetta, Prof. Marco Benvenuti

**Pliocene palaeosols of Tuscany provide evidence of contrasting palaeoclimate conditions**

» [Dr. Anna Andreetta](#), Prof. Stefano Carnicelli, Prof. Marco Benvenuti

**Distribution of palaeosols in a mud-prone alluvial system: Esplugafreda Formation, Palaeocene, Catalonia, Spain**

» [Prof. Giorgio Basilici](#), Mr. Marcus Vinicius Soares, Dr. Luca Colombera, Mr. Oscar Arévalo, Prof. Nigel P. Mountney

**Paleopedological evidences of origin and intensification of monsoonal conditions over the Indian sub-continent from early Oligocene fossil soils of the Himalayan Foreland Basin**

» [Mrs. Neha Upreti](#), Prof. Pankaj Srivastava, Mr. Rohit Kumar, Mr. Abdul Hameed

**Aeolian pedogenic characteristics of Tertiary limestone near Port Campbell, Victoria Australia — marine or pedogenic?**

» [Prof. Xiuming Liu](#)

**Constraints on the timing of the rain shadow generation related to the Miocene North Patagonian Andean uplift: multiproxy palaeosol evidences**

» [Dr. Joaquin Bucher](#), Dr. Augusto Varela, Dr. Leandro D'Elia, Dr. Andres Bilmes, Mr. Manuel López, Ms. Micaela García, Dr. Juan Franzese

**Paleosols of southern Patagonia as a tool to reconstruct Miocene landscapes**

» [Dr. Maria Sol Raigemborn](#), Dr. Veronica Krapovickas, Dr. Alejandro Zucol, Dr. Luciano Zapata, Dr. Elisa Beilinson, Ms. Sabrina Lizzoli, Ms. Lucia Martegani

**Micromorphology, clay mineralogy and geochemistry of Paleosols of Siwaliks, Himalayan Foreland Basin: Evidence of changing climate during 12Ma-8Ma fluvial sedimentation**

» [Mr. Abdul Hameed](#), Mrs. Neha Upreti, Mr. Rohit Kumar, Ms. Pooja Yadav, Prof. Pankaj Srivastava

**Cenomanian palaeosol from Neuquén Basin Patagonia, Argentina**

» [Ms. Sabrina Lizzoli](#), Dr. Maria Sol Raigemborn, Dr. Augusto Varela



Continued from **Wednesday, 11 September**

**Sedimentology and tectonic significance of the Late Cretaceous terrestrial red paleosols in the Songliao Basin**

» [Dr. Li Zhang](#), Prof. Changmin Zhang, Prof. Zhidong Bao, Mr. Luxing Dou, Mr. Dongsheng Zang

**On the Origin of Thick Laterite on Deccan Plateau, India**

» [Prof. Xiuming Liu](#)

**Morphology of paleosols during Permian-Triassic transition at the Shichuanhe section in Shaanxi province and its paleoclimate implication**

» [Ms. Yingyue Yu](#), Prof. Jinnan Tong

**Late Permian and Early Triassic environments reconstructed from palaeosol profiles from the Central European Basin**

» [Mr. Karol Jewuła](#), Dr. Wiesław Trela, Dr. Anna Fijałkowska-Mader

**Dolomitic palaeosols in a fluvial siliciclastic succession: Šķervelis Formation, Uppermost Famennian to Mississippian, south-west Latvia**

» [Dr. Girts Stinkulis](#), Dr. Daiga Pipira, Mrs. Lauma Ķeipāne, Dr. Ilze Vircava, Dr. Tõnu Martma

**A frosty Cambrian Dawn? Evidence for a late Ediacaran to early Cambrian permafrost surface**

» [Mr. Thomas Vandyk](#), Prof. Daniel Le Heron, Prof. Yongqing Liu, Prof. Hongwei Kuang, Mr. Xiaoshuai Chen, Mr. Yuchong Wang, Mr. Zhenrui Yang, Dr. Bethan Davies, Prof. Graham Shields, Prof. David Chew

6pm

**7.B When volcanoes meet the environment**

*Museo di Arte Classica*

Chaired by: Dr. Andrea Di Capua and Gabor Kereszturi

**Effect of palaeomorphology on facies distribution of the Campania Ignimbrite in the northern Campania Plain, southern Italy**

» Prof. Daniela Ruberti, [Dr. Marco Vigliotti](#)

**Xenoliths in volcano Shevardeni lavas (Kazbegi neovolcanic center, Greater Caucasus), Georgia**

» [Ms. Ketevan Gabarashvili](#), Mrs. Manana Togonidze, Mr. Giorgi Vashakidze, Mrs. Manana Kavsadze

**Comparative analysis of interflow horizons in Mtkvari/Kura River flood basalts (Javakheti Volcanic Province), Georgia**

» [Ms. Ketevan Gabarashvili](#), Mrs. Manana Kavsadze, Mr. Koba Lobzhanidze, Mr. Giorgi Vashakidze, Mr. Miriani Makadze, Ms. Purva Gadpallu

**The Vulture volcanic source rocks control on the Apulia beach sands composition (southern Italy)**

» [Dr. Paola Donato](#), Prof. Rosanna De Rosa, Dr. Marco Delle Rose, Dr. Rocco Dominici, Prof. Emilia Le Pera, Mr. Domenico Parise, Mr. Mariano Tenuta

**Roundness study of beach sands from the Campania region and Aeolian Archipelago.**

» [Dr. Consuele Morrone](#), Prof. Emilia Le Pera, Prof. Kathleen Marsaglia, Prof. Rosanna De Rosa

**The use of mineral interfaces in sand-sized volcanic rock fragments to infer durability**

» [Prof. Emilia Le Pera](#), Dr. Consuele Morrone

**A classical sedimentary approach to the study of a subaqueous pyroclastic deposit: the 2002 block and ash flow deposit offshore of the Montserrat Island**

» [Dr. Andrea Di Capua](#), Dr. Sebastian Watt

**Seismically-triggered, syn-sedimentary deformation structure suite in travertine deposits as guide for (paleo)seismic hazard assessment.**

» [Dr. Federica Barilaro](#), Dr. Roberto de Franco, Prof. Alessandro Michetti, Dr. Andrea Di Capua, Dr. Alberto Villa

**The contribution of volcanic processes in the formation of black shale of Western Siberia**

» [Mr. Aleksandr Gavrilov](#), Dr. Marina Tugarova

Continued from **Wednesday, 11 September****A Kind of Neglected Source Rock—Sedimentary Volcanic Dust Tuff**

» [Ms. Chun Yan](#), Ms. Yuzhen Lyu, Ms. Xueju Lyu, Mr. Quanbin Cao, Mr. Xuefeng Wang, Mr. Hongping Wang, Mr. Dali Shao, Mr. Guohua Zhu

6pm

**11.D Siliciclastic-carbonate and other mixed deposits: sedimentology and reservoir properties**

*Museo di Arte Classica*

Chaired by: Dr. Domenico Chiarella and Prof. Marcello Tropeano and Lorena Moscardelli

**Scales and heterogeneities in mixed siliciclastic-carbonate deposits**

» [Dr. Domenico Chiarella](#), Prof. Sergio G. Longhitano, Prof. Marcello Tropeano

**Residual Oil Reservoir Distribution Characteristics of Dongying Formation, Hejian Oilfield, Raoyang Depression, Bohai Bay Basin**

» [Dr. lai Weiqing](#)

**Preliminary results of sedimentological and cyclostratigraphic analysis of the Cakrazboz Formation, NW Turkey**

» [Ms. Gül Şen](#), Prof. Ismail Omer Yilmaz

**Domanic Formation: lithology, geochemistry, depositional and diagenetic history**

» [Dr. Marina Tugarova](#), Ms. Natalia Grebenkina, Dr. Dzhuliia Zagranovskaia

**Characteristics and depositional settings of carbonate-siliceous rock of the Volga-Ural basin (Russia)**

» [Dr. Aleksey Eskin](#), Prof. Vladimir Morozov, Dr. Anton Kolchugin, Dr. Eduard Korolev

**Multi-scale analysis of mixed siliciclastic-carbonate shallow marine deposits (Late Miocene Betic Basin): a reservoir perspective**

» Dr. Domenico Chiarella, [Dr. Fernando García-García](#), Prof. César Viseras

**Two-phase dolomitization of Lower Triassic mixed siliciclastic-carbonate sequences, Hungary**

» [Dr. Orsolya Györi](#), Prof. János Haas, Dr. Kinga Hips

6pm

**11.F Recent advances in carbonate diagenesis studies: analytical challenges and application to case histories**

*Museo di Arte Classica*

Chaired by: Dr. Marta Gasparrini and Tatyana Gabellone and Dr. Cédric M. John

**Experiment of interaction between calcite and fluid saturated with CO<sub>2</sub> under different heating rates**

» [Dr. Wenbo Zhang](#)

**Cathodoluminescence analysis of carbonate formations on Neiva Sub-Basin, Colombia, and its potential as hydrocarbons reservoir**

» [Dr. Ingrid Natalia Muñoz Quijano](#), Mr. Julian Gaona, Ms. Maria Fernanda Molina Otero

**Geochemical characteristics and paleosedimentary environment analysis of the Ma5-5 submember, Ordos Basin, China**

» [Ms. Yuanyuan Zhang](#), Prof. Zhanli Ren, Mr. Chunyong Yu

**Prediction of reservoir quality in carbonates via porosity spectrum from image logs**

» [Prof. Guiwen Wang](#), Dr. Jin Lai

**Mineralogy of siliceous concretions, Cretaceous of Ionian zone, western Greece: implication for diagenesis and porosity**

» Ms. Nicolina Bourli, Ms. Maria Kokkaliari, Prof. Ioannis Iliopoulos, Prof. Georgia Pe-Piper, Prof. David Piper, Dr. Angelos Maravelis, [Prof. Avraam Zeligidis](#)

Continued from **Wednesday, 11 September**

**Petrophysical properties and formation mechanism of the deep-buried tight carbonate: Case Study from the Shunnan area, Tarim Basin, NW China**

» [Prof. Zhiqian Gao](#), Ms. Yuan Hu, Dr. Duan Wei

**Selective dolomitization of the Longwangmiao Formation, Lower Cambrian in Northern Sichuan basin, China**

» [Dr. Xuefei Yang](#)

**Dolomite origin and its implication for porosity development of the carbonate gas reservoirs in China**

» [Prof. Xie Qingbin](#), Dr. Liu Chao

**Vertical Heterogeneity and Platform Edge Reef Reservoir Formation Mechanism in Changxing Formation Eastern Sichuan Basin**

» [Dr. Peng Qin](#), Prof. Zhong Dakang, Prof. Zhonggui Hu

**Carbonate reservoir diagenesis in sequence stratigraphic framework of Lower Cambrian Longwangmiao Formation in Sichuan Basin, China**

» [Mr. Hui Zhou](#)

**Characteristics and formation mechanisms of silicified carbonate reservoirs in well SN4 of the Tarim Basin**

» [Dr. Donghua You](#), Mr. Jun Han, Prof. Wenxuan Hu, Dr. Qian Yixiong

**Structural Characteristics and Genetic Model of lower Ordovician Carbonate reservoirs in Tahe Oilfield**

» [Ms. Shuping Wang](#), Dr. Xu Shouyu, Dr. Li Xiaodong, Dr. Ma Jianmin

**Multiphase diagenetic evolution and mineralizations in the lower Carnian of the Gorno district (Southern Alps)**

» [Dr. Michele Giorno](#), Dr. Luca Barale, Dr. Carlo Bertok, Dr. Anna d'Atri, Prof. Luca Martire, Dr. Fabrizio Piana, Dr. Piergiorgio Rossetti

**Joint application of fluid inclusion and clumped isotope ( $\Delta 47$ ) thermometry to burial carbonate cements from Upper Triassic reservoirs of the Paris Basin depocenter**

» [Ms. Natalia Amanda Vergara](#), Dr. Marta Gasparini, Prof. Sveva Corrado, Prof. Stefano Bernasconi, Dr. Axel Gerdes

**Palaeozoic red pelagic carbonates: time specific facies or products of microbial activity?**

» [Dr. Ondrej Bábek](#), Prof. Jiří Kalvoda, Mr. Jaroslav Kapusta, Dr. Tomáš Kumpan, Dr. Daniel Simíček

**Diagenetic study of mineralized fractures in paleo-geothermal systems – case of the Geneva basin**

» [Mr. Marc Perret](#), Dr. Marta Gasparini, Dr. Silvia Omodeo-Salé, Dr. Luca Guglielmetti, Prof. Andrea Moscariello, Dr. Vanessa Teles

6pm

**7.1 Evaporites on Earth and beyond**

*Museo di Arte Classica*

Chaired by: Prof. Stefano Lugli and Maciej Bąbel and Vinicio Manzi

**Evaporite deposits of Danakil: record of Red Sea transgression and desiccation in the northern Afar.**

» [Mr. Valentin Rime](#), Mr. Haileyesus Negga, Dr. Afifé El Korh, Mr. Alexandre Salzmann, Mr. Jean-Charles Schaegis, Dr. David Jaramillo-Vogel, Ms. Xenia Haberditz, Prof. Tesfaye Kidane, Dr. Balemwal Atnafu, Prof. Anneleen Foubert

**Linking deformation to karst and sulfate diagenetic evolution from Santana Formation, Araripe Basin, Brazil**

» Mr. Guilherme Duarte, Mr. Bruno Cesar Araújo, [Mr. Flávio Norberto](#), Dr. Ismar Carvalho, Dr. Leonardo Borghi, Mr. Artur Andrade

**Relating brine chemistry to gypsum depositional style in evaporite deposits in the Salar de Llamara, Atacama Desert, Chile**

» [Dr. Amanda Oehlert](#), Dr. Pamela Reid, Dr. Cecilia DEmergasso, Dr. Alvaro Palma, Dr. Erica Suosaari

**Geochemical evidence of Messinian Salinity Crisis in the Adana Basin, southern Turkey**

» [Mr. Erhan Karakus](#)

Continued from **Wednesday, 11 September**

**Mediterranean Reflooding Deciphered from the Sedimentological Evolution of Resedimented Messinian Evaporites: the Balza Soletta Section**

» [Prof. Rosanna Maniscalco](#), Dr. Claudio Ivan Casciano, Dr. Salvatore Distefano, Dr. Francesco Grossi, Prof. Agata Di Stefano

**The Messinian halite deposit in the Crotone basin (Italy): new perspectives from fluid inclusion studies**

» [Dr. Mara Cipriani](#), Dr. Alessandra Costanzo, Prof. Martin Feely, Dr. Rocco Dominici

**Model of facies distribution during initial phases of Zechstein basin development in SW Poland**

» [Mr. Michał Słotwiński](#), Dr. Stanisław Burliga

**Late Kungurian paleogeographic and tectonic environment of the Solikamsk depression (the Middle Uralian foredeep)**

» [Mr. Danil Trapeznikov](#)

**Paleoclimatic change across the Primary Lower Gypsum unit recorded by molecular fossils**

» [Mr. Dave Stolwijk](#), Dr. Marcello Natalicchio, Prof. Francesco Dela Pierre, Dr. Daniel Birgel, Prof. Jörn Peckmann

6pm

**1.D The carbonate platform record of extreme palaeoenvironmental events**

*Museo di Arte Classica*

Chaired by: Dr. Mariano Parente and Dr. Helmut Weissert and Dr. Sabrina Amodio

**Geochemical characterization of oolites formed in the early aftermath of mass extinctions**

» [Ms. Ingrid Urban](#), Dr. Sylvain Richo

**Implications of giant ooids for the carbonate chemistry of Early Triassic oceans**

» [Mr. Xiaowei Li](#), Prof. Elizabeth Trower, Prof. Daniel Lehrmann, Prof. Marcello Minzoni, Dr. Brian Kelley, Dr. Ellen Schaal, Prof. Meiyi Yu, Prof. Jonathan Payne

**Climate-controlled variations in the early dolomitization: A case study from the Middle Triassic Leikoupo Formation, Pengzhou Area, Southwestern China**

» [Mr. Xinya Yu](#), Prof. Pingping Li

**Environmental and biotic changes in a Rhaetian peritidal to mixed carbonate-siliciclastic system (Kössen Formation, Austria)**

» Mr. Mario De Matteis, [Prof. Giovanna Della Porta](#), Prof. Fabrizio Berra, Mr. Andrea Dimartino

**Tethyan carbonate platforms across the T/J boundary: comparison between Panormide Domain (Sicily) and Pelagonian Zone (Greece)**

» [Dr. Simona Todaro](#), Prof. Fotini Pomoni-Papaioannou, Prof. Pietro Di Stefano, Dr. Vassiliki Kostopoulou, Dr. Adonis Photiades, Dr. Vincenzo Randazzo

**Termination of Shallow-water Carbonate Sediments Across the Triassic-Jurassic Boundary in Qiangtang Area, Tibetan Plateau: Ocean Acidification?**

» [Dr. Fan Yi](#), Prof. Haisheng Yi, Prof. Guoqing Xia, Dr. Gaojie Li

**Carbonate ecosystem response between two OAEs: the case of the Apenninic carbonate platform (Italy)**

» [Ms. Mariarosaria Martino](#), Dr. Sabrina Amodio, Prof. Filippo Barattolo, Prof. Mariano Parente

**Chondrodonta-bearing levels in Lower Aptian shallow-water carbonates of the Southern-Central Tethys**

» [Ms. Gabriella Del Viscio](#), Dr. Gianluca Frijia, Prof. Michele Morsilli, Prof. Renato Posenato, Dr. Klaus Peter Jochum

Continued from **Wednesday, 11 September**

### **Carbonate platform demise during OAE 1a: multiproxy evidence for environmental change (western Tethys, southern Spain)**

» [Dr. José Manuel Castro](#), Dr. María Luisa Quijano, Dr. Ginés Alfonso de Gea, Dr. Concepción Jiménez de Cisneros, Dr. Pedro A. Ruiz-Ortiz, Dr. Emilia Caballero, Dr. Richard Pancost

### **Record of perturbations in the global carbon cycle during the Aptian from a distal carbonate ramp - High-resolution C-isotope stratigraphy from the Cau-core (Prebetic Zone, Spain)**

» [Dr. José Manuel Castro](#), Dr. Pedro A. Ruiz-Ortiz, Dr. Roque Aguado, Dr. Ginés Alfonso de Gea, Dr. Ian Jarvis, Dr. Carmen López-Rodríguez, Dr. José Miguel Molina, Dr. Luis M. Nieto, Dr. Richard Pancost, Dr. María Luisa Quijano, Dr. Matias Reolid, Mr. Rafael Martínez, Dr. Marta Rodrigo-Gámiz, Dr. Peter W. Skelton, Dr. Helmut Weissert

### **Sedimentation environments of Turgay trough (South-Eastern Ural) in UpperCretaceous-Lower Paleogene**

» [Ms. Elena Yakovishina](#)

### **High-resolution stratigraphy of Late Cretaceous to middle Miocene shallow-water carbonates of central-southern Apennines (Italy)**

» [Ms. Monia Sabbatino](#), Dr. Lorenzo Consorti, Prof. Stefano Vitale, Prof. Stefano Tavani, Dr. Amerigo Corradetti, Dr. Ilenia Arienzo, Prof. Anna Cipriani, Prof. Mariano Parente

6pm

### **7.F Subaqueous mass movements and their consequences: from scientific knowledge to geohazard assessment**

*Museo di Arte Classica*

Chaired by: Dr. Daniele Casalbore and Lorena Moscardelli and Dr. Mike Clare and Dr. David Casas and Prof. Francesco Chiocci

### **Improving submarine mass failure characterization: a new database for the Gulf of Cadiz**

» [Mr. William Meservy](#), Dr. Roger Urgeles, Dr. Eulàlia Gràcia

### **Post-Messinian deposits in the western Ionian Basin: Insights into the dynamics of the Zanclean megaflood**

» [Dr. Daniele Spatola](#), Prof. Sanjeev Gupta, Prof. Aaron Micallef, Dr. Angelo Camerlenghi, Dr. Daniel García-Castellanos, Prof. Marc-André Gutscher, Dr. Claudia Bertoni, Prof. Attilio Sulli

### **Preliminar stability assessment of the submarine slopes surrounding the Garrucha harbour area (SW Mediterranean)**

» [Dr. José Nespereira](#), Dr. David Casas, Dr. Mariano Yenes, Dr. Serafín Monterrubio, Dr. Nieves López-González, Dr. Gemma Ercilla, Dr. Pilar Mata, Dr. Juan-Tomás Vázquez, Dr. Patricia Bárcenas Gascon, Dr. Desirée Palomino, Dr. Daniele Casalbore, Ms. Patricia Martiñez, Ms. Norma Pérez, Prof. Belen Alonso, Ms. Natalia Pato

### **Alboran Contourite (SW Mediterranean). a geotechnical approach for their stability analysis**

» [Dr. Mariano Yenes](#), Dr. David Casas, Dr. José Nespereira, Dr. Nieves López-González, Dr. Daniele Casalbore, Dr. Serafín Monterrubio, Dr. Gemma Ercilla, Dr. Patricia Bárcenas Gascon, Dr. Desirée Palomino, Ms. Patricia Martiñez, Ms. Norma Pérez, Prof. Belen Alonso

### **ROV footage and high-resolution bathymetry for understanding the dynamics of the submarine Garrucha-Almanzora canyon systems.**

» [Dr. David Casas](#), Dr. Maria Azpiroz-Zabala, Dr. Nieves López-González, Dr. Gemma Ercilla, Prof. Belen Alonso, Dr. Pilar Mata, Dr. Patricia Bárcenas Gascon, Mr. Manuel Teixeira, Dr. Javier Idarraga

### **The western pathway onset for the Canary Volcanic Province's MTDs**

» [Dr. Ricardo Leon](#), Dr. Desirée Palomino, Dr. Juan-Tomás Vázquez

### **Mass transport deposits and geo-hazard assessment in the Bradano Foredeep (Southern Apennines, Ionian Sea)**

» [Dr. Andrea Artoni](#), Dr. Alina Polonia, Prof. Luigi Torelli, Dr. Luca Gasperini, Dr. Mirko Carlini, Dr. Paola Mussoni

### **Kinematic of a subaqueous landslide to define the marine geohazard: The Taranto Landslide (northeastern Ionian Sea, Italy)**

» [Dr. Agostino Meo](#), Prof. Maria Rosaria Senatore



Continued from **Wednesday, 11 September**

**Submarine landslides off Capo Vaticano (Southern Tyrrhenian Sea): examples of different post-failure behavior**

» Dr. Daniele Casalbore, [Dr. Eleonora Martorelli](#), Dr. Alessandro Bosman

**ROV video observations on cyclic steps and knickpoints along Gioia and Petrace canyons (Tyrrhenian Sea)**

» [Dr. Martina Pierdomenico](#), Dr. Daniele Casalbore, Prof. Francesco Chiocci

**Dynamics of the Tuaheni Landslide Complex, Hikurangi Margin: insights from high-resolution XCT scan analysis of the IODP 372 Expedition cores**

» [Dr. Morgane Brunet](#), Dr. Jean-Noël Proust, Dr. Joshu Mountjoy

**Laboratory modeling of sliding along submarine slopes: application to the western offshore of Martinique (Lesser Antilles arc)**

» [Dr. Morgane Brunet](#), Dr. Erwan Hallot, Dr. Thierry Nalpas, Dr. Anne Le Friant, Dr. Georges Boudon, Mr. Jean-Jacques Kermarrec

**Occurrence of pop-up structures in the Pleistocene Iwaki submarine landslide, the Pacific coast of Japan**

» Prof. Hiroyuki Arato, [Mr. Paolo Martizzi](#)

**Post-LGM vertical deformation in the Campi Flegrei offshore caldera: insights from high-resolution seismostratigraphic facies analysis**

» [Dr. Camilla Marino](#), Prof. Luigi Ferranti, Dr. Marco Sacchi, Dr. Jacopo Natale

**Middle Eocene submarine mass-transport deposits of Tbilisi environs (eastern Achara-Trialeti fold-and-thrust belt), Georgia**

» [Ms. Tamar Beridze](#)

**Margin instability at the onset of the EARS in Tanzania and impact on the deep-water depositional systems of the western Somali Basin.**

» Prof. Vittorio Maselli, [Dr. David Iacopini](#), Prof. Cynthia Ebinger, Prof. Dick Kroon

**Sticky Coasts: Characterising the role of biological stickiness in modulating erosion in soft sediment cliffs**

» [Ms. Serena L. Teasdale](#), Dr. Christopher R. Hackney, Prof. Daniel Parsons, Dr. Georgina L. Bennett, Dr. David J. Milan

6pm

**11.H Sedimentary heterogeneity controls on fluid flow in aquifers and hydrocarbon reservoirs**

*Museo di Arte Classica*

Chaired by: Giacomo Medici and Dr. Luca Colombera and Dr. Na Yan and Dr. Mattia Marini and Prof. Nigel P. Mountney

**The Origin and Distribution of different types of Lithofacies in Gravelly Braided-River Alluvial Fan**

» [Prof. Youliang Ji](#)

**Formation of zoned ankerite in gravity-flow sandstones in Linnan Subsag, Jiyang Depression, Eastern China: implications for fluid flow form in-situ trace elemental analysis**

» [Dr. Tian Yang](#), Prof. Yingchang Cao, Prof. Keyu Liu

**Effect of diagenetic events on the Oligocene sandstone reservoirs in the East China Sea Basin**

» [Prof. Chengyan Lin](#), Dr. Wenguang Wang, Prof. Xianguo Zhang, Prof. Chunmei Dong, Prof. Lihua Ren, Dr. Jianli Lin

**Characteristics and evaluation of fluid mobility of organic-bearing tight lacustrine carbonate reservoirs -A case study from the Qiketai Formation of Shengbei Sag in Turpan-Hami Basin, Northwest China**

» [Mr. Tianjun Li](#), Mr. Zhilong Huang

**Impacts on gas charging in Lower Shihezi Formation in Hangjinqi area, northern Ordos, China**

» [Dr. Donglai Bai](#), Prof. Minghui Yang, Ms. Zhang Yue





Continued from **Wednesday, 11 September**

**Control of Paleostucture and Paleogeomorphology on the Sedimentation of Shallow Fan Delta in the Mahu Sag**

» [Mr. Jie Ji](#), Prof. Kongyou Wu, Prof. Yangwen Pei

**Effect of pore structure on the reservoir quality and oiliness of low-oil saturation sandstone reservoirs**

» [Ms. Xiaojiao Pang](#), Prof. Guiwen Wang, Dr. Jin Lai

**Mass transfer between sandstones and interbedded mudstones: impact on petroleum charge, Bohai Bay Basin, China**

» [Ms. Hongjin Hu](#), Prof. Youlu Jiang, Mr. Kai Zhao

**Characteristics of Barrier and Baffle in Jeribe and Upper Kirkuk Reservoir, Halfaya Oilfield, Iraq**

» [Dr. Youjing Wang](#), Prof. Xinmin Song, Dr. Guosheng Qin, Dr. Zhou Lyu

**Determination and factors effecting the lower limit of hydrocarbon generation: A case study from the Dongpu Depression, Bohai Bay Basin, China**

» [Dr. Ling Tang](#), Prof. Yan Song, Ms. Qianwen Li

**Pore-throat Structure and Fractal Characteristics of Tight Sandstone of Yanchang Formation, Ordos Basin**

» [Dr. Yiqian Qu](#), Prof. Wei Sun

**Sealing Features of Fluid-Rock System and its Control on Acidic Dissolution in Cretaceous Sandstone Reservoirs, Kuqa Subbasin**

» [Prof. Denglin Han](#), Dr. Man Li, Prof. Zhong Li

**Evaluation of hydrofacies connectivity in the Palatine Hill (Rome) through sequence stratigraphy**

» [Dr. Marco Mancini](#), Dr. Cristina Di Salvo, Prof. Salvatore Milli, Dr. Massimiliano Moscatelli, Dr. Francesco Stigliano

**The Application of Sand Body Architecture in tidal-delta environment in development in Tazhong Oilfield**

» [Mr. Xianlong Zhang](#)

**Study on Reservoir Structure Analysis for Oil Sands SAGD Development**

» [Mr. Zhenkun Liu](#)

**Differential calcite cementation of a turbidite channel-fill quantified using UAV- photogrammetry**

» [Dr. Mattia Marini](#), Prof. Giovanna Della Porta, Prof. Fabrizio Felletti, Mrs. Benedetta Marcella Grasso, Ms. Marica Franzini, Prof. Vittorio Casella

**Assessing karst-impacted hydrocarbon fields: choosing their modeling strategies through decision tree**

» [Dr. Arnaud Fournillon](#)

**“Sweet point” distribution and tight sandstone gas reservoir mechanism study in Ahe Formation, Kuqa Depression**

» [Dr. Xianzhang Yang](#)

**Palaeontological and biometric controls on heterogeneity in Cretaceous low-permeability reservoirs**

» [Dr. Toms Buls](#), Dr. Kresten Anderskov, Mr. Mohammad Javad Razmjooei, Dr. Thomas Guldborg Petersen, Mr. Anastasios Perdiou, Prof. Nicolas Thibault

**Sedimentary architecture of wave-controlled coastal reservoir in Tarim basin**

» [Mr. Zhaohui Xu](#), Dr. Panke Sun, Dr. Yining Gao

**Shale Heterogeneity and Its Effects on the Gas Accumulation in the Upper Yangtze Region, China**

» [Prof. Xianglu Tang](#), Prof. Zhenxue Jiang, Prof. Wei Yang, Dr. Zhuo Li, Prof. Zhiye Gao, Prof. Dongdong Liu

**The arsenic-pollution problem: Volumetrics and mobilization processes of geogenic arsenic in Holocene clay-plug sediment**

» [Dr. Rick Donselaar](#), Mr. Santosh Kumar, Dr. Devanita Ghosh, Ms. Floortje Burgers, Prof. Ashok Ghosh

Continued from **Wednesday, 11 September**

**The effect of sedimentary and diagenesis heterogeneity on reservoir properties in Hangjinqi area, northern Ordos Basin**

» [Ms. Xiaowei Zheng](#)

**Research method and application of space matching effectiveness of fault and sandstone transporting oil-gas**

» [Mr. Changrong Li](#), [Dr. Xiongqi Pang](#), [Dr. Guang Fu](#)

**Reservoir heterogeneity characterization of changqing carbonate reservoir of N oilfield, Northern China**

» [Mr. Jinjian Cao](#), [Mr. Shiqi Song](#)

**Sedimentary heterogeneity impact on fluid flow through the braided-to-meandering fluvial deposits of the Castissent Formation (late Ypresian, Tremp-Graus Basin, Spain)**

» [Mr. Josep Maria Puig Lopez](#), [Dr. Patricia Cabello](#), [Prof. John Howell](#), [Mr. Pau Arbués](#)

**Facies complexity of Hybrid Event Beds (HEBs) in deep-water siliciclastic systems: an outcrop-based characterisation**

» [Mr. Marco Carnevale](#), [Prof. Fabrizio Felletti](#), [Dr. Mattia Marini](#), [Dr. Marco Patacci](#), [Prof. William McCaffrey](#), [Dr. Marco Fonesu](#)

**Friday, 13 September**

8:30am **8.A Ichnology, trace fossils and depositional environment**

ROOM 8 ESD

Chaired by: [Prof. Francisco Javier Rodríguez-Tovar](#) and [Dr. Andreas Wetzel](#)

8:30am **Root Traces in Pliocene Alluvial Conglomerates of the Sorbas Basin, Almería, SE Spain**

» [Dr. Raúl Esperante](#), [Prof. Francisco Javier Rodríguez-Tovar](#)

8:45am **Ichnology and sedimentology of the trace fossil-bearing fluvial red beds from the lowermost member of the Paleocene Funing Formation in the Jinhu Depression, Subei Basin, East China**

» [Dr. Xuewen Zhou](#), [Prof. Zaixing Jiang](#)

9am **Composite ichnofabrics from meandering fluvial systems: the Miocene Lower Freshwater Molasse of Switzerland**

» [Dr. Luis Buatois](#), [Dr. Andreas Wetzel](#), [Prof. M. Gabriela Mangano](#)

9:15am **Trace fossils from of an upper Cambrian incised estuarine valley in northwest Argentina: Evolutionary and ecologic controls in a marginal-marine setting**

» [Prof. M. Gabriela Mangano](#), [Dr. Luis Buatois](#)

9:30am **Trace fossils document dynamics within Holocene incised-valley fill deposits (ancient Red River, Gulf of Tonkin)**

» [Dr. Andreas Wetzel](#)

9:45am **Interaction of boring organisms with corals. Entobia ichnofacies development in a transgressive nearshore scenario**

» [Dr. Alice Giannetti](#), [Dr. Santiago Falces-Delgado](#), [Dr. José Francisco Baeza-Carratalá](#)

8:30am **5.C Modern lakes and lacustrine sediments as archives of geological environmental change and anthropogenic impact**

ROOM 1 ESD

Chaired by: [Dr. Marta Marchegiano](#) and [Prof. Domenico Cosentino](#) and [Prof. Elsa Gliozzi](#) and [Prof. Daniel Ariztegui](#) and [Prof. Laura Sadori](#) and [Dr. Patricia Roeser](#)

8:30am **The Paleolake San Nicandro (L'Aquila, central Italy): early stage of continental deposition in the central Apennines**

» [Prof. Domenico Cosentino](#), [Dr. Martina Casalini](#), [Prof. Francesca Cifelli](#), [Dr. Aida Conte](#), [Dr. Alan Deino](#), [Prof. Giancarlo Della Ventura](#), [Dr. Biagio Giaccio](#), [Prof. Elsa Gliozzi](#), [Prof. Massimo Mattei](#), [Dr. Marco Nocentini](#), [Dr. Giorgio Pipponzi](#), [Dr. Marco Spadi](#), [Prof. Marco Tallini](#), [Prof. Sandro Conticelli](#)



Continued from Friday, 13 September

- 8:45am **Lacustrine paleoclimatic and paleoenvironmental evolution during the Late Glacial and the Holocene: Example from the Amburnex Valley, Switzerland.**  
» [Dr. Brahimsamba Bomou](#), Prof. Thierry Adatte, Dr. Anne-Marie Rachoud-Schneider, Dr. Jorge E. Spangenberg, Ms. Marina Gärtner, Prof. Jean-Nicolas Haas
- 8:30am **SKT 1.C (30 minutes) - 1.C Understanding carbonate factories through paleoecological and geochemical signals**  
*ROOM 11 ESD*  
Chaired by: Prof. Marco Brandano and Dr. Guillem Mateu Vicens and Juan Ignacio Baceta
- 8:30am **Why do carbonate rocks exist?**  
» [Prof. Luis Pomar](#), Prof. Pamela Hallock, Dr. Guillem Mateu Vicens
- 8:30am **11.C Sedimentology at reservoir-scale: recent improvements and way forward**  
*ROOM Galasso*  
Chaired by: Francesco Bigoni and Massimo Catanzaro and Ornella Borromeo and Giancarlo Davoli
- 8:30am **A punctuated transgressive model for deposition of the shallow marine Upper Jurassic reservoir sandstones in the Johan Sverdrup field, Norway**  
» [Dr. Henrik Olsen](#)
- 8:45am **Characterization of the geometry of fluvial channel bodies: implications for object-based models of the subsurface**  
» [Dr. Luca Colombera](#), Prof. Nigel P. Mountney, Dr. Giacomo Medici
- 9am **Facies Stacking Based Sequences and Play Concepts for the Zubair Formation in Kuwait**  
» [Dr. Saifullah Tanoli](#), Ms. Abrat Albloushi, Ms. Ghaida Al-Sahlan, Mr. Meshal Al-Wadi

- 9:15am **Towards Geocellular modelling of highly heterogeneous reservoirs. A Triassic example**  
» [Mr. Luis Miguel Yeste](#), Dr. Ricardo Palomino, Dr. Neil McDougall, Prof. César Viseras, Dr. Augusto Varela, Dr. Fernando García-García
- 9:30am **Reservoir characteristics of gravity-flow channels in steep slope of lacustrine rift basins**  
» [Ms. Wenze Yang](#), Prof. Jiagen Hou, Mr. Luxing Dou, Prof. Yuming Liu
- 9:45am **Sedimentology of pre-salt clastic reservoirs in the South Gabon sub-basin with image log tools**  
» [Mr. Marc Gil Ortiz](#), Ms. Noemí Tur, Mr. David García Fernández-Valderrama, Mr. Fernando Leandro, Dr. Álvaro Jiménez Berrocoso, Dr. María Ochoa, Dr. Laura Ines Net, Dr. Oscar Fernandez, Ms. Cristina Manrique, Ms. Valvanera García, Ms. Macarena Nocito
- 8:30am **SKT 4.B (30 minutes) - 4.B Linking deep water depositional processes, facies and stratigraphy**  
*ROOM Aula Magna*  
Chaired by: Dr. Jörg Lang and Dr. Juan Fedele and Dr. David Hoyal and Prof. Roberto Tinterri and Dr. Timothy Demko and Prof. Fabiano Gamberi
- 8:30am **Flood-dominated fluvial and fluvio-deltaic systems and their relations to marine hyperpycnal sedimentation**  
» [Prof. Emiliano Mutti](#)
- 8:30am **5.E Sedimentary processes, stratal architecture and stratigraphy of alluvial systems**  
*ROOM Odeion*  
Chaired by: Prof. Massimiliano Ghinassi and Dr. Luca Colombera and Prof. Christopher Fielding and Dr. Marco Mancini
- 8:30am **Supercritical-flow structures in fluvial successions: criteria for recognition and significance for the rock record**  
» Dr. Dario Ventra, [Prof. Christopher Fielding](#)



Continued from Friday, 13 September

- 8:45am **Using radionuclides released by nuclear industry to date sediment core in the Rhone river**  
» [Ms. Amandine Morereau](#), Dr. Frédérique Eyrolle, Dr. Hugo Lepage, Mrs. Valérie Nicoulaud-Gouin, Mr. Franck Giner, Mr. David Mourier
- 9am **Alluvial analysis of the Palaeocene-Eocene Thermal Maximum: Bighorn Basin, Wyoming, USA**  
» [Dr. Hiranya Sahoo](#), Mr. Youwei Wang, Dr. Joep Storms, Dr. Hemmo Abels, Prof. Allard Martinius
- 9:15am **A Novel Methodology for Assessment and Prediction of Fluvial Point-Bar Architecture from Outcrop**  
» [Dr. Catherine Russell](#), Prof. Nigel P. Mountney, Prof. David Hodgson, Dr. Luca Colombera
- 9:30am **Tracing the Pliocene basin inversion in the alluvial sequence of the northern Pannonian Basin System (Slovakia)**  
» [Dr. Michal Šujan](#), Prof. Michal Kováč, Dr. Régis Braucher
- 9:45am **Hydrology of a karstic tunnel deciphered from its internal deposits: the Demänová Cave System, Slovakia**  
» Dr. Pavel Bella, [Dr. Michał Gradziński](#), Dr. Helena Hercman, Prof. Stanisław Leszczyński, Prof. Wojciech Nemeč
- 8:30am **11.G Seismic Geomorphology and Seismic Sedimentology: Improvements and Applications**  
*ROOM Partenone*  
Chaired by: Dr. Hongliu Zeng and Prof. Xiaomin Zhu
- 8:30am **From seismic geomorphology to seismic sedimentology: the benefits**  
» [Dr. Hongliu Zeng](#), Prof. Xiaomin Zhu

- 8:45am **Seismic sedimentology interpretation of fluvial reservoir architecture in mature oilfields: A case study in Gudong oil field, Bohai Bay Basin, China**  
» [Prof. Xianguo Zhang](#), Dr. Hongliu Zeng, Prof. Chengyan Lin, Mr. Xiaoxiao Wu
- 9am **Seismic sedimentologic study of facies and reservoir in Middle Triassic Karamay Formation Mahu Sag, Junggar Basin, China**  
» [Dr. Zhaohui Xu](#), Dr. Wenzhi Zhao, Dr. Suyun Hu, Mrs. Lu Wang, Mr. Zaiyuan Hu, Mr. Guanghui Xu, Mr. Xiao Hu, Dr. Congsheng Bian, Dr. Yongxin Li, Mr. Jin Du
- 9:15am **Analysis of river sedimentary system by multi-scale seismic sedimentation study**  
» [Mr. Yunfeng Huang](#), Dr. Yang Zhanlong, Mr. Hu KaiFeng, Mr. Jingyi Guo, Ms. Lv Lei
- 9:30am **Genesis and Prediction of Beach Bar Sand Body in Depressed Lacustrine in Tarim Basin, China**  
» [Prof. Zhang Huiliang](#), Dr. Zhao Jilong, Dr. Chen Ge
- 9:45am **Application of numerical simulation in the study of sedimentary facies**  
» [Dr. Yakai Song](#), Dr. Xinyu Hou, Dr. Taiju Yin
- 8:30am **7.E Modern and ancient straits and seaways: towards a universal model for their sedimentary dynamics**  
*ROOM Blue1*  
Chaired by: Prof. Sergio G. Longhitano and Dr. Valentina Rossi and Dr. Domenico Chiarella and Prof. Francesco Chiocci and Dr. Gemma Ercilla and Prof. M.Namik Çağatay
- 8:30am **Triassic rift valley fills in Svalbard with subtidal sandbars: In front of deltaic or tidal strait deposits?**  
» [Prof. Snorre Olaussen](#)
- 8:45am **High speed morphological and sediments currents bedforms structures of Bonifacio Straits**  
» [Dr. Giacomo Deiana](#), Dr. Valentino Demurtas, Dr. Antonietta Meleddu, Prof. Paolo Emanuele Orrù



Continued from Friday, 13 September

9am **When the South Tunisian Chotts were connected to the Mediterranean by a tidal seaway: The Great Bay of Triton revisited**  
 » Prof. Jean-Yves Reynaud, Prof. Mohamed Ouaja, Prof. Albert Galy, Ms. Inès Benaoun, Mr. Moez Mansoura, Prof. Mohamed Soussi

9:15am **Sedimentary change between marine and isolated environments in the active Corinth Rift**  
 » Dr. Shunli Li, Dr. Robert Gawthorpe, Dr. Mary Ford, Dr. Lisa McNeill, Prof. Xinghe Yu, Dr. Richard Collier, Dr. Liliane Janikian, Dr. Spyros Sergiou, Dr. Sofia Pechlivanidou, Dr. Jack Gillespie

9:30am **Syn-tectonic deposition in the tidal straits of the Jurassic Hebridean basins**  
 » Dr. Stuart Archer, Prof. Ronald Steel, Dr. Donatella Mellere, Dr. Brian Cullen

9:45am **Morphology and Late Pleistocene-Holocene Sedimentation of the Bosphorus Strait**  
 » Prof. M.Namik Çağatay, Dr. K.Kadir Eriş, Dr. Zeynep Erdem

8:30am **6.B Technological and conceptual advances in sequence stratigraphy. New achievements and open questions**  
*ROOM Blue2*  
 Chaired by: Dr. Domenico Ridente and Prof. Christian Gorini and Dr. Adriano R. Viana and Dr. Bilal Haq

8:30am **Detailed outcrop characterization of high-frequency sequence boundaries in the Pliocene Peri-Adriatic shallow marine succession revealed through UAV cliff-side digital outcrop mapping**  
 » Dr. Alan Pitts, Prof. Claudio Nicola Di Celma, Prof. Gabriele Giuli, Prof. John Haynes

8:45am **Late Quaternary sequence stratigraphy of the southeast and central Vietnam Shelf**  
 » Dr. Viet Dung Bui, Mrs. Minh Hang Vu, Dr. Trung Thanh Nguyen, Mr. Kieu Nguyen Van

9am **Tectonic evolution of modern continental margins defined by using Quaternary lowstand deposits as past sea level proxies. Examples from the Tyrrhenian Sea**  
 » Dr. Domenico Ridente, Dr. Federica Maisto, Dr. Francesco Giuseppe Falese, Dr. Daniele Casalborne, Prof. Francesco Chiocci

9:15am **High-resolution T-R cycles in Permian coal-bearing Barakar succession in West Bokaro coalfield, Eastern India**  
 » Mr. Aniruddha Pathak, Dr. Biplab Bhattacharya, Mr. Partha Pratim Banerjee

8:30am **2.B Along-strike variability in modern and ancient coastal and shelfal depositional environments**  
*ROOM Blue3*  
 Chaired by: Dr. Miquel Poyatos-Moré and Dr. Ernesto Schwarz and Prof. Alessandro Amorosi and Dr. Janok Bhattacharya

8:30am **Computing three dimensional variability in deposited grain size mixtures relative to the location of their fluvial supply along a coastline**  
 » Dr. Helena van der Vegt, Dr. Joep Storms, Dr. Dirk-Jan Walstra, Mr. Aulia Valencia, Dr. Maria Azpiroz-Zabala

8:45am **Database-informed approach to the characterisation of sedimentary architecture of coarse-grained deltas and deltaic successions**  
 » Mr. Soma Budaj, Dr. Luca Colombera, Prof. Nigel P. Mountney, Dr. Marco Patacci, Prof. William McCaffrey

9am **The river delta front formation: morphology and evolution of modern depocenters from Danube delta**  
 » Dr. Sabin Rotaru, Mr. Livius Popa, Dr. Adrian Stanica, Dr. Cornel Olariu

9:15am **Evolution of a single incised valley related to inherited morphology, sea level rise and climate changes during the Holocene (Tirso river, Sardinia, western Mediterranean)**  
 » Dr. Giovanni De Falco, Dr. Alfredo Carannante, Prof. Carla De Vais, Dr. Luca Gasperini, Prof. Vincenzo Pascucci, Dr. Ignazio Sanna, Dr. Alessandro Conforti



Continued from Friday, 13 September

- 9:30am **Lateral variability in depositional processes and coastal configuration during the Holocene Arno Delta evolution**  
» [Dr. Veronica Rossi](#), Prof. Alessandro Amorosi, Dr. Monica Bini, Dr. Marco Cacciari, Dr. Bruno Campo, Dr. Luca Demurtas, Dr. Serena Giacomelli, Prof. Giovanni Sarti
- 9:45am **Unconventional sub-seismic stratigraphic approach to reveal clinothem boundaries in the mud-prone Holocene Po Delta system**  
» [Dr. Bruno Campo](#), Dr. Luigi Bruno, Ms. Bianca Costagli, Prof. Enrico Dinelli, Dr. Wan Hong, Dr. Irene Sammartino, Dr. Stefano Vaiani, Prof. Alessandro Amorosi
- 9am **SKT 5.C (30 minutes) -  
5.C Modern lakes and lacustrine sediments as archives of geological environmental change and anthropogenic impact**  
*ROOM 1 ESD*  
Chaired by: Dr. Marta Marchegiano and Prof. Domenico Cosentino and Prof. Elsa Gliozzi and Prof. Daniel Ariztegui and Prof. Laura Sadori and Dr. Patricia Roeser
- 9am **Organic-rich rhythmites in southern Gondwana: Early Jurassic proxies of lake processes and climate**  
» [Prof. Emese Bordy](#), Dr. Lara Sciscio, Ms. T'Nielle Haupt, Mr. Akhil Rampersadh, Ms. Maposholi Mokhethi, Ms. Miengah Abrahams, Mr. Adrian Bunge
- 9am **1.C Understanding carbonate factories through paleoecological and geochemical signals**  
*ROOM 11 ESD*  
Chaired by: Prof. Marco Brandano and Dr. Guillem Mateu Vicens and Juan Ignacio Baceta
- 9am **Carbon and oxygen isotopic signals of late Jurassic microbial micrites (Swiss Jura Mountains)**  
» [Dr. Claude Colombié](#), Dr. Muriel Pacton, Ms. Valentine Schaaff, Dr. Gilles Escarguel

- 9:15am **Jurassic-Cretaceous transition in the Transdanubian Range (Hungary): paleoenvironmental study of the Hárskút and Lókút sections**  
» [Mr. Damian Lodowski](#), Dr. István Fózy, Dr. Ottilia Szives, Dr. Jacek Grabowski
- 9:30am **The upper Lutetian (Eocene) from the Ainsa syncline (Spain): 3D geometric relationships of siliciclastic-carbonate deposits.**  
» [Dr. Alexandre Letteron](#), Mrs. Tiphane Ribes, Dr. Julien Michel, Dr. Pierre Masse, Prof. Jean Borgomano, Dr. Jeroen Kenter
- 9:45am **Sirachon carbonate environments in the Ukhta anticline zone, Timan-Pechora basin**  
» Ms. Elena Yakovishina, [Mr. Mike Afonin](#)
- 9am **4.B Linking deep water depositional processes, facies and stratigraphy**  
*ROOM Aula Magna*  
Chaired by: Dr. Jörg Lang and Dr. Juan Fedele and Dr. David Hoyal and Prof. Roberto Tinterri and Dr. Timothy Demko and Prof. Fabiano Gamberi
- 9am **Synsedimentary tectonics and mass wasting events along the Alpine margin in Liassic time**  
» [Prof. Ruediger Henrich](#)
- 9:15am **Depositional architecture and evolution of gravity-flow deposits in Lingshan Island (Eastern China): An integrated outcrop-subsurface study**  
» [Dr. Tian Yang](#), Prof. Yiangchang Cao, Prof. Keyu Liu
- 9:30am **Gravity current sedimentary processes and their hydrocarbon implications in the northern South China Sea**  
» [Ms. Dongmei Tian](#), Prof. Jiang Tao
- 9:45am **Deformation-sedimentation feedback mechanisms and the development of anomalously thick turbidite lobes**  
» [Dr. Adam McArthur](#), Ms. Barbara Clausmann, Dr. Julien Bailleul, Mr. Alexander Wunderlich, Prof. William McCaffrey





Continued from Friday, 13 September

9:30am **5.C Modern lakes and lacustrine sediments as archives of geological environmental change and anthropogenic impact**  
ROOM 1 ESD  
Chaired by: Dr. Marta Marchegiano and Prof. Domenico Cosentino and Prof. Elsa Gliozzi and Prof. Daniel Ariztegui and Prof. Laura Sadori and Dr. Patricia Roeser

9:30am **Disentangling palynological and sedimentological signals in the Quaternary sedimentary succession of Lake Ohrid (Balkan peninsula)**  
» Prof. Adele Bertini, Prof. Laura Sadori, Dr. Nathalie Combourieu-Nebout, Dr. Timme Donders, Prof. Katerina Kouli, Dr. Andreas Koutsodendris, Dr. Ilias Kousis, Dr. Sebastien Joannin, Dr. Alessia Masi, Prof. Anna Maria Mercuri, Dr. Konstantinos Panagiotopoulos, Dr. Odile Peyron, Dr. Gaia Sinopoli, Dr. Paola Torri, Dr. Alexander Francke, Prof. Bernd Wagner, Prof. Giovanni Zanchetta

9:45am **Mean annual air temperature variability in NW Poland during the late Pleistocene**  
» Dr. Michal Tomczak, Dr. Jerome Kaiser, Dr. Ryszard Borowka, Dr. Krysztof Stefaniak, Dr. Adam Kotowski, Prof. Helge Arz

9:30am **SKT 6.B (30 minutes) - 6.B Technological and conceptual advances in sequence stratigraphy. New achievements and open questions**  
ROOM Blue2  
Chaired by: Dr. Domenico Ridente and Prof. Christian Gorini and Dr. Adriano R. Viana and Dr. Bilal Haq

9:30am **Tectonics and Eustasy's roles in producing the stratigraphic record**  
» Dr. Bilal Haq, Prof. Christian Gorini

10am **COFFEE BREAK (10:00am - 10:30am)**

11:30am **SKT 8.A (30 minutes) - 8.A Technology, trace fossils and depositional environment**  
ROOM 8 ESD  
Chaired by: Prof. Francisco Javier Rodríguez-Tovar and Dr. Andreas Wetzel

11:30am **Biogenic sedimentary structures in tsunami deposits provide useful information on the nature of bioturbation**  
» Dr. Koji Seike

11:30am **5.C Modern lakes and lacustrine sediments as archives of geological environmental change and anthropogenic impact**  
ROOM 1 ESD  
Chaired by: Dr. Marta Marchegiano and Prof. Domenico Cosentino and Prof. Elsa Gliozzi and Prof. Daniel Ariztegui and Prof. Laura Sadori and Dr. Patricia Roeser

11:30am **Eastern Mediterranean climate variability and reconstruction over the last 12000 years based on a varved sediment record from Vouliagmeni lake, Gulf of Corinth (Greece)**  
» Mr. Alexandros Emmanouilidis, Prof. Ingmar Unkel, Prof. Pavlos Avramidis

11:45am **Multi-proxy study in a transitional coastal environment: the sediment record of Lake Butrint (Albania)**  
» Prof. Laura Sadori, Prof. Adele Bertini, Dr. Marta Marchegiano, Dr. Alessia Masi, Prof. Flavio S. Anselmetti, Dr. Mario Morellon, Dr. Gaia Sinopoli, Prof. Daniel Ariztegui

12pm **The Nhecolândia wetland: Natural and anthropogenic influences on south-east Pantanal, Brazil.**  
» Dr. Emiliano Castro de Oliveira, Dr. Sila Pla-Pueyo, Dr. Christopher R. Hackney

12:15pm **Geochemical focusing of Mn and Fe: redox proxy formation upon eutrophication of Lake Stechlin (Germany)**  
» Mr. Grzegorz Scholtysik, Dr. Olaf Dellwig, Dr. Patricia Roeser, Prof. Helge Arz, Dr. Martin Theuerkauf, Dr. Tobias Goldhammer, Dr. Peter Casper, Dr. Michael Hupfer



Continued from Friday, 13 September

- 12:30pm **“Sink-switching” of phosphorus during early diagenesis of a meromictic Lake Kai-ike sediments, southwest Japan**  
» [Dr. Kosei Yamaguchi](#)
- 12:45pm **206/207Pb: a tool to synchronize lacustrine and marine records from the Baltic Sea realm**  
» [Dr. Jerome Kaiser](#), Dr. Olaf Dellwig, Dr. Patricia Roeser, Prof. Achim Brauer, Mr. Sami Jokinen, Prof. Helge Arz
- 11:30am **5.A Non-marine carbonates: from the geological record to present-day processes in continental settings**  
*ROOM 11 ESD*  
Chaired by: Prof. Giovanna Della Porta and Prof. Enrico Capezzuoli and Prof. Mike Rogerson and Dr. Ezher Tagliasacchi
- 11:30am **Biotic vs. abiotic signatures in Late Pleistocene lacustrine microbialites of the Maquinchao Basin (Argentina)**  
» [Prof. Daniel Ariztegui](#), Ms. Inès Eymard, Dr. Andrés Bilmes, Dr. Maria del Pilar Alvarez, Mr. Rodrigo Feo, Dr. Crisogono Vasconcelos
- 11:45am **The interaction between hot spring carbonates and gypsum deposits in a hypersaline rift lake (Lake Afdera, Afar, Ethiopia)**  
» [Prof. Anneleen Foubert](#), Dr. Eva De Boever, Mr. Jean-Charles Schaejis, Mr. Valentin Rime, Ms. Addis Hailu, Mr. Haileyesus Negga, Ms. Patrizia Wyler, Dr. Balemwal Atnafu, Prof. Torsten Vennemann, Prof. Norbert Frank, Prof. Tesfaye Kidane
- 12pm **Experimental diagenesis of hot-spring and alkaline lake deposits**  
» [Dr. Alex Brasier](#), Prof. Enrico Capezzuoli, Dr. Hubert Vonhof, Prof. Mike Rogerson, Dr. David Muirhead, Dr. David Healy
- 12:15pm **Factors controlling mineral paragenesis and cyclothems development in the Cretaceous ‘Presalt’ alkaline lakes**  
» [Dr. Ramon Mercedes-Martín](#), Dr. Carlos Ayora, Dr. Jordi Tritlla, Dr. Mónica Sánchez-Román

- 12:30pm **Geochemistry of tufa carbonates from the Western Desert (Southern Egypt)**  
» [Dr. Sándor Kele](#), Prof. Emad S. Sallam, Prof. Enrico Capezzuoli, Prof. Hamdalla Wanas, Prof. Chuan-Chou Shen, Dr. Mahjoor Ahmad Lone, Dr. Tsai-Luen Yu, Dr. Andrew J. Schauer, Prof. Katharine W. Huntington
- 12:45pm **Antropocene continental carbonates: a natural research lab. Canary Islands, Spain.**  
» [Prof. Ana María Alonso-Zarza](#), Dr. Alvaro Rodríguez-Berriguete, Prof. Ramón Casillas, Prof. Isabel Sánchez, Prof. Nora Cabaleri
- 11:30am **11.C Sedimentology at reservoir-scale: recent improvements and way forward**  
*ROOM Galasso*  
Chaired by: Francesco Bigoni and Massimo Catanzaro and Ornella Borromeo and Giancarlo Davoli
- 11:30am **3D coastal outcrop modelling for deep-water system characterization using photogrammetry workflows, Hikurangi margin**  
» [Mr. Corentin Chaptal](#), Ms. Barbara Claussmann, Dr. Geoffroy Mahieux, Dr. Frank Chanier, Dr. Julien Bailleul
- 11:45am **Facies Analysis Using Machine Learning Techniques With Logs and Core Data: an Application to the Johan Castberg Field - Norway**  
» [Ms. Maura Serreli](#)
- 11:30am **4.B Linking deep water depositional processes, facies and stratigraphy**  
*ROOM Aula Magna*  
Chaired by: Dr. Jörg Lang and Dr. Juan Fedele and Dr. David Hoyal and Prof. Roberto Tinterri and Dr. Timothy Demko and Prof. Fabiano Gamberi
- 11:30am **Grain size distribution in the Mineral Liberation Analyzer (MLA) image and its statistical analysis**  
» [Dr. Joanna Psonka](#)



Continued from Friday, 13 September

- 11:45am **Complex Soft-Sediment Deformation Structures and Palaeoenvironment Interpretation of Early Cretaceous Lingshan Island, China**  
» [Dr. Zhufu Shao](#), Prof. Jianhua Zhong, Prof. John Howell, Ms. Zexuan Liu, Dr. Jinlin Liu
- 12pm **Lack of hybrid event beds above rugose seafloor topography: low density flows and enhanced turbulence?**  
» [Dr. Marco Patacci](#), Dr. Mattia Marini, Dr. Marco Fonnesu, Prof. Fabrizio Felletti
- 12:15pm **Submarine fan systems: proximal to distal reservoir quality controls**  
» [Mr. Abdulwahab Bello](#), Dr. Stuart Jones, Prof. Jon Gluyas, Dr. Sanem Acikalin, Dr. Matthieu Cartigny
- 12:30pm **Sedimentological and Stratigraphic analysis of an Upper Eocene to Lower Oligocene deep-sea fan: Pindos Foreland Basin, western Greece**  
» [Mr. Chrysanthos Mpotziolis](#), Dr. Angelos Maravelis, Dr. Sofia Kostopoulou, Prof. Avraam Zelilidis
- 12:45pm **The Eocene-Oligocene boundary in Pindos Foreland Basin, western Greece**  
» Dr. Sofia Kostopoulou, Dr. Angelos Maravelis, Mr. Chrysanthos Mpotziolis, [Prof. Avraam Zelilidis](#)
- 11:30am **5.E Sedimentary processes, stratal architecture and stratigraphy of alluvial systems**  
*ROOM Odeion*  
Chaired by: Prof. Massimiliano Ghinassi and Dr. Luca Colombera and Prof. Christopher Fielding and Dr. Marco Mancini
- 11:30am **The response of large alluvial systems to glacial-interglacial climatic cyclicity: insights from the Western Venetian Plain**  
» [Dr. Sandro Rossato](#), Prof. Paolo Mozzi, Dr. Giovanni Monegato, Prof. Alessandro Fontana, Dr. Francesco Ferrarese

- 11:45am **Tidally influenced Cambrian braid delta deposits, middle member Wood Canyon Formation, Marble Mountains, California**  
» [Mr. Jason Muhlbauer](#), Prof. Christopher Fedo
- 12pm **The fluvial record of crustal uplift: examples from the Middle Jurassic of the High Atlas (Morocco)**  
» Dr. Chiara Cavallina, [Prof. Marco Benvenuti](#)
- 12:15pm **Coastal River Dynamics and Morphology on the Rio Grande Delta: Implications for Fluvio-Deltaic Stratigraphy and Channel Belt Architecture**  
» [Mr. John Swartz](#), Dr. David Mohrig, Dr. Timothy Goudge
- 12:30pm **Geomorphic effects of floods and their fluvial record - integrating ancient, modern and experimental data**  
» [Dr. Piret Plink-Björklund](#), Mr. Haipeng Li, Dr. Kenya Ono, Dr. Chengpeng Tan, Dr. Jianqiao Wang
- 12:45pm **Fluvial facies models based on discharge variability for Guar Formation, Upper Jurassic, Paran Basin, Brazil**  
» [Mr. Adriano D. Reis](#), Prof. Claiton M. S. Scherer, Prof. Ezequiel Galvo de Souza, Mr. Joo Pedro Ferronato, Ms. Manoela Ballico, Dr. Amanda Owen
- 11:30am **11.G Seismic Geomorphology and Seismic Sedimentology: Improvements and Applications**  
*ROOM Partenone*  
Chaired by: Dr. Hongliu Zeng and Prof. Xiaomin Zhu
- 11:30am **Seismic geomorphology of mass transport complexes and their influence to carbonate submarine channels, Browse Basin, Australia**  
» [Mr. Dallas Dunlap](#), Dr. Xavier Janson, Mr. Leo Zeng
- 11:45am **Seismic sedimentological evidence for filling process of western Central Canyon System controlled by the evolution of the Tibetan Plateau and the East Asia monsoon since the Late Miocene, South China Sea**  
» [Dr. Dawei Wang](#), Dr. Weiwei Wang, Dr. Hongliu Zeng



Continued from Friday, 13 September

12pm **Types, characteristics and sedimentary model of deep-watergravity flow deposition in the steep slope zone of terrestrial faulted lacustrine basin —A case study on the Es4S submember of Shengtuo Area in Dongying Depression, East China**

» [Mr. Bingyi Chen](#), Prof. Chengyan Lin, Dr. Cunfei Ma

12:15pm **Seismic Geomorphology of Sublacustrine Slope Channel Systems, Late Cretaceous Songliao Basin, China**

» [Prof. Huaqing Liu](#), Mr. Ming Feng, Mr. Jingyi Guo

12:30pm **Sedimentology and seismic geomorphology of a lacustrine depositional system from the deep zone of the Gaoyou Sag, eastern China**

» [Dr. Dong Wu](#)

12:45pm **Applying PCA to seismic attributes for interpretation of evaporite facies: Lower Triassic Jialingjiang Formation, Sichuan Basin, China**

» [Dr. Suyun Hu](#), Mrs. Lu Wang, Mr. Guanghui Xu, Mr. Xiao HU, Dr. Congsheng Bian, Mr. Zaiyuan Hu, Ms. Yuanyuan Hu, Mr. Jin Du, Dr. Zhaohui Xu

11:30am **7.E Modern and ancient straits and seaways: towards a universal model for their sedimentary dynamics**

*ROOM Blue1*

Chaired by: Prof. Sergio G. Longhitano and Dr. Valentina Rossi and Dr. Domenico Chiarella and Prof. Francesco Chiocci and Dr. Gemma Ercilla and Prof. M.Namik Çağatay

11:30am **Depositional processes evolution in the Aquitanian Gulf in SE France, a precursor of perialpine seaway**

» [Mr. Jean-Loup Rubino](#), Mr. Amir Kalifi, Mr. Bastien Huet, Prof. Albert Galy, Dr. Philippe Sorrel, Dr. Philippe-Hervé Leloup, Dr. Vincenzo Spina, Dr. Bernard Pittet, Dr. Martine Bez, Dr. Oliver Parize, Dr. Serge Ferry, Prof. Raphael Pik

11:45am **Influence of the Strait of Gibraltar in the sedimentation of the Western Alboran Sea (SW Mediterranean)**

» [Dr. Gemma Ercilla](#), Dr. Carmen Juan, Mr. Ferran Estrada, Prof. Belen Alonso, Dr. David Casas, Dr. Juan-Tomás Vázquez, Dr. Elia D'Acremont, Prof. Christian Gorini

12pm **When tides erase allocyclic signals: examples from the Curtis Formation, Utah, USA**

» [Dr. Valentin Zuchuat](#), Mr. Arve Rein Nes Sleveland, Mr. Ross P. Pettigrew, Mr. Thomas J.H. Dodd, Dr. Stuart Clarke, Prof. Alvar Braathen, Prof. Ivar Midtkandal

12:15pm **Bedforms and grain size pattern in tidal inlets: paired signatures of hydraulic and morphological partitioning**

» [Prof. Giorgio Fontolan](#), Dr. Annelore Bezzi, Dr. Alex Paganin, Dr. Daniele Malagugini, Dr. Giulia Casagrande, Dr. Simone Pillon, Dr. Davide Martinucci, Dr. Marco Lipizer, Dr. Andrea Zamariolo

12:30pm **A late Quaternary tidal strait in southern Brazil**

» [Prof. Andrew Cooper](#), Dr. Andrew Green, Dr. Ricardo Meireles, Dr. Antonio Henrique F. Klein, Prof. Elírio E. Toldo Jr

12:45pm **Tidalites and facies shifts in response to relative sea level changes, Southern Riffian Corridor, Morocco**

» [Mr. Daan Beelen](#), Dr. Lesli Wood, Prof. Mohamed Najib Zaghoul, Mr. Michiel Arts, Mr. Ismail Ouahbi, Prof. Faouziya Haissen, Ms. Meryem Redouane

11:30am **6.B Technological and conceptual advances in sequence stratigraphy. New achievements and open questions**

*ROOM Blue2*

Chaired by: Dr. Domenico Ridente and Prof. Christian Gorini and Dr. Adriano R. Viana and Dr. Bilal Haq

11:30am **Interplay between sea level fluctuations, palaeoceanographic changes and halokynesis on the control of Quaternary deep-marine depositional systems of Espirito Santo Basin, Brazil**

» Dr. Cizia M. Hercos, Mrs. Simone Schreiner, [Dr. Adriano R. Viana](#)



Continued from Friday, 13 September

11:45am **Prograding platform margin and contemporaneous retrograding shoreline in the sequence stratigraphy of an epicontinental carbonate platform**

» Dr. Anna Breda, Dr. Marcello Caggiati, Dr. Marco Franceschi, Dr. Giovanni Gattolin, Prof. Piero Gianolla, Prof. Nereo Preto

11:30am **2.B Along-strike variability in modern and ancient coastal and shelfal depositional environments**

*ROOM Blue3*

Chaired by: Dr. Miquel Poyatos-Moré and Dr. Ernesto Schwarz and Prof. Alessandro Amorosi and Dr. Janok Bhattacharya

11:30am **Lateral variability of deltaic cycles: challenges in high resolution correlation of time and facies**

» Dr. Orsolya Sztanó, Dr. Imre Magyar, Mr. Lajos Katona, Dr. Balázs Koroknai

11:45am **Internal mouth-bar variability and preservation of interflood beds in a low-accommodation setting (Cretaceous Dakota Group, USA)**

» Ms. Anna van Yperen, Dr. Miquel Poyatos-Moré, Prof. John Holbrook, Prof. Ivar Midtkandal

12pm **Evidences of transgression in the Iberian Basin, Spain: environmental evolution of an arid braidplain margin system**

» Mr. Carlos A. Bueno-Cebollada, Dr. Marian Fregenal-Martínez, Dr. Nieves Meléndez

12:15pm **Down-dip and along-strike characterization of shallow-marine strata in a low-gradient basin (Lower Cretaceous, Neuquén, Argentina)**

» Dr. Ernesto Schwarz, Dr. Gonzalo D. Veiga

12pm **8.A Ichnology, trace fossils and depositional environment**

*ROOM 8 ESD*

Chaired by: Prof. Francisco Javier Rodríguez-Tovar and Dr. Andreas Wetzel

12pm

**Tubular tidalites as a tool to detect Miocene tidal signatures (Algarve, Southern Portugal)**

» Prof. Francisco Javier Rodríguez-Tovar, Prof. Eduardo Mayoral, Dr. Ana Santos, Dr. Javier Dorador, Dr. Andreas Wetzel

12:15pm

**Ichnological analysis of Bottom Current Reworked Sands; IODP U1389 and U1388 sites, Gulf of Cadiz**

» Ms. Sandra De Castro Santos, Prof. Francisco Javier Rodríguez-Tovar, Prof. Francisco Javier Hernández-Molina, Dr. Javier Dorador

12:30pm

**Marine hyperpycnites: Trace-fossil variability and other characteristics from outcrop and subsurface (Late Miocene, SE Spain)**

» Dr. Fernando García-García, Prof. Francisco Javier Rodríguez-Tovar, Mr. Luis Miguel Yeste, Dr. Miquel Poyatos-Moré, Prof. César Viseras, Mr. Marc Gil-Ortiz

12:45pm

**Beds with Intense Bioturbation and High Gamma Ray Readings – Scientific Observations, Characterization, and Conjectures of Origin, Case Study from Lower Cretaceous McMurray Formation, Alberta, Canada**

» Dr. Milovan Fustic, Dr. Rajeev Nair, Mr. Raza Siddiqui, Dr. Jagos Radovic, Dr. Manuel Bringue

12pm

**SKT 11.C (30 minutes) -**

**11.C Sedimentology at reservoir-scale: recent improvements and way forward**

*ROOM Galasso*

Chaired by: Francesco Bigoni and Massimo Catanzaro and Ornella Borromeo and Giancarlo Davoli

12pm

**Bridging the Gap: From Outcrop to Geomodel**

» Mr. James Mullins, Dr. Bjorn Nyberg, Dr. Christian Eide, Dr. Alessandro Comunian, Prof. Philippe Renard, Dr. Julien Straubhaar, Ms. Sarah Weihmann, Prof. John Howell



Continued from Friday, 13 September

12pm **SKT 9.B (30 minutes) -  
9.B Arenite petrology for unravelling hinterland and offshore paleogeography. A tribute to Gian Gaspare Zuffa**  
*ROOM Blue2*  
Chaired by: Prof. Salvatore Critelli and William Cavazza and Prof. Eduardo Garzanti and Prof. Rosanna De Rosa and Prof. Daniela Fontana and Prof. Jose Arribas and Prof. Cristina Stefani

12pm **The missing link of Rodinia break up in western South America: A zircon U-Pb and Hf isotope study of the volcanosedimentary Chilla beds (Altiplano, Bolivia)**  
» Prof. Heinrich Bahlburg, Prof. Udo Zimmermann, Dr. Jasper Berndt, Dr. Axel Gerdes

12:30pm **11.C Sedimentology at reservoir-scale: recent improvements and way forward**  
*ROOM Galasso*  
Chaired by: Francesco Bigoni and Massimo Catanzaro and Ornella Borromeo and Giancarlo Davoli

12:30pm **Improving the predictive resolution of modern analogues for rift basin carbonate platform reservoir modelling**  
» Dr. Alexander Petrovic, Ms. Indah Putri, Ms. Nur Liyana Yahaya, Dr. Pankaj Khanna, Prof. Volker Vahrenkamp

12:45pm **Grain shoal reservoir characteristics within high-frequency sequence framework in Longwangmiao Formation, Sichuan Basin**  
» Ms. Xin Xu, Prof. Mingyi Hu, Prof. Yushuang Zhu, Prof. Linyu Liu

12:30pm **9.B Arenite petrology for unravelling hinterland and offshore paleogeography. A tribute to Gian Gaspare Zuffa**  
*ROOM Blue2*  
Chaired by: Prof. Salvatore Critelli and William Cavazza and Prof. Eduardo Garzanti and Prof. Rosanna De Rosa and Prof. Daniela Fontana and Prof. Jose Arribas and Prof. Cristina Stefani

12:30pm **Use of composition and texture of sands for evaluating liquefaction and extrusion phenomena.**  
» Prof. Daniela Fontana, Prof. Stefano Lugli, Dr. Aura Cecilia Salocchi

12:45pm **A source-to-sink compositional model of a present highstand: the low-rank Tiber Depositional Sequence (Latium, Italy)**  
» Dr. Daniel Tentori, Prof. Salvatore Milli, Prof. Kathleen Marsaglia

12:30pm **SKT 2.B (30 minutes) -  
2.B Along-strike variability in modern and ancient coastal and shelfal depositional environments**  
*ROOM Blue3*

12:30pm **Time-stratigraphy in point-sourced deltas**  
» Dr. Janok Bhattacharya, Dr. Andrew Miall, Mr. Jeremy Gabriel, Mr. Curtis Ferron, Mr. Nicolas Randazzo

1pm **LUNCH (12:30pm -13:30pm)**

2pm **1.E 3D modelling of carbonates: techniques and applications at different scales and processes**  
*ROOM 1 ESD*  
Chaired by: Dr. Marco Franceschi and Dr. Beatriz Bádenas and Sara Tomas and Dr. Jeroen Kenter and Dr. Laura Tomassetti

2pm **Recognition and Prediction of Carbonate Reservoirs Based on Brazilian Depth Domain Data**  
» Mr. Liu Hao

2:15pm **Importance of paleoenvironment reconstructions in geomodeling with scarce dataset: Cenomanian-Turonian carbonate platform from Northern Algeria**  
» Dr. Arnaud Fournillon, Dr. Stefan Doublet, Dr. Jean-Marc Chautru, Ms. Naima Kherfi, Ms. Zahra Boudjemadi, Mr. Youcef Baba Ali

2:30pm **Integrated Reef-shoal Complexes Characterization of Seismic with Geology Modeling: A Case Study in Tarim Basin, NW China**  
» Dr. Ran Xiong





Continued from Friday, 13 September

2:45pm **Interactions between sediment production and transport in the development of carbonate platforms: Insights from sensitivity analysis of forward modeling of the Great Bank of Guizhou (Early - Middle Triassic), south China**

» [Mr. Xiaowei Li](#), Dr. Oriol Falivene, Prof. Marcello Minzoni, Prof. Daniel Lehrmann, Prof. John Reijmer, Prof. Michele Morsilli, Prof. Khalid Al-Ramadan, Prof. Meiyi Yu, Prof. Jonathan Payne

2pm **5.A Non-marine carbonates: from the geological record to present-day processes in continental settings**

*ROOM 11 ESD*

Chaired by: Prof. Giovanna Della Porta and Prof. Enrico Capezzuoli and Prof. Mike Rogerson and Dr. Ezher Tagliasacchi

2pm **Gaslighting ourselves? How we have been misrepresenting gas exchange in tufa and travertine systems, and what we need to do about it**

» [Prof. Mike Rogerson](#), Prof. Daniel Parsons, Dr. Martyn Pedley

2:15pm **The Quaternary Cannstatt Travertines of the Neckar valley (SW Germany): review and new results**

» [Dr. Michael W. Rasser](#), Dr. Wolfgang Ufrecht, Prof. Oliver Friedrich, Dr. Andreas Koutsodendris, Prof. Jörg Pross

2pm **11.C Sedimentology at reservoir-scale: recent improvements and way forward**

*ROOM Galasso*

Chaired by: Francesco Bigoni and Massimo Catanzaro and Ornella Borromeo and Giancarlo Davoli

2pm **Reservoir-scale facies analysis of a Zechstein 2 carbonate outcrop analogue, northern Germany**

» [Ms. Kim Nokar](#), Dr. Stefan Back, Dr. Lars Reuning, Mr. Philipp Meissner, Prof. Peter A. Kukla

2:15pm **Carbonates through Time and Space: Carbonate Prediction and Reservoir Characterization**

» [Dr. Jeroen Kenter](#), Prof. Jean Borgomano, Dr. Yannick Donnadiou, Dr. Alexandre Pohl, Dr. Julien Michel, Dr. Alexandre Letteron, Dr. Cyprien Lanteaume, Ms. Celine Baral

2:30pm **Application of NMR in characterization of pore structure of tight sandstone reservoir □ Example from Triassic Yanchang Formation of Maling oil field in the Ordos Basin, China**

» [Mr. Zheng Yang](#), Prof. Shenghe Wu, Dr. Ke Zhang, Mr. Zhenzhen Ma

2:45pm **Assessing HPHT sandstone reservoir quality: Identifying the reality**

» [Dimitrios Charlaftis](#), Dr. Stuart Jones, Dr. Philip Dyer, Dr. Katherine Dobson, Dr. Sanem Acikalın, Dr. Mark Osborne

3pm **Discussion of clay coating formation and biological influence on the process**

» [Dr. Sanem Acikalın](#), Ms. Alison Hendry, Ms. Claire McGhee

3:15pm **Interrelations among tectonic and sedimentary controls on 10 Myr sedimentation rates evolution (South-Pyrenean foreland basin).**

» [Mr. Andreu Vinyoles](#), Prof. Miguel López-Blanco, Prof. Miguel Garcés, Mr. Pau Arbués, Dr. Luis Valero, Dr. Elisabet Beamud, Dr. Belén Oliva-Urcia, Dr. Patricia Cabello

2pm **4.B Linking deep water depositional processes, facies and stratigraphy**

*ROOM Aula Magna*

Chaired by: Dr. Jörg Lang and Dr. Juan Fedele and Dr. David Hoyal and Prof. Roberto Tinterri and Dr. Timothy Demko and Prof. Fabiano Gamberi

2pm **Modern carbonate slopes from shelf to abysses: example of the Little Bahama Bank**

» [Dr. Kelly Fauquembergue](#), Dr. Emmanuelle Ducassou, Prof. Thierry Mulder, Ms. Audrey Recouvreur, Mrs. Natacha Fabregas, Dr. Ludivine Chabaud, Dr. Vincent Hanquiez, Mrs. Marie-Claire Perello, Dr. Emmanuelle Poli, Prof. Jean Borgomano



Continued from Friday, 13 September

- 2:15pm **Microplastic contamination of the seafloor controlled by deep-sea circulation**  
» [Dr. Ian Kane](#), Dr. Mike Clare, Dr. Elda Miramontes, Dr. James Rothwell, Dr. Pierre Garreau, Mr. Florian Pohl, Prof. Roy Wogelius
- 2:30pm **Experimental analysis of dune development under steady and unsteady saline density currents**  
» [Ms. Isabel de Cala](#), Mr. Koji Ohata, Dr. Robert Dorrell, Dr. Hajime Naruse, Dr. Marco Patacci, Prof. William McCaffrey
- 2:45pm **Analysis of equilibrium conditions for particle-laden flows**  
» [Dr. Lawrence Amy](#), Dr. Robert Dorrell
- 3pm **Has silt hindered progress in deep-water sedimentology?**  
» [Dr. Jaco H. Baas](#), Ms. Megan L. Baker, Dr. Joris Eggenhuisen, Ms. Patricia Buffon, Dr. Lorna Strachan, Dr. Helen Bostock, Prof. David Hodgson, Dr. Yvonne Spychala
- 3:15pm **The dynamic behaviour of clay minerals in sediment gravity flows**  
» [Ms. Megan L. Baker](#), Dr. Jaco H. Baas, Dr. Jonathan Malarkey, Ms. Melissa J. Craig
- 2pm **5.E Sedimentary processes, stratal architecture and stratigraphy of alluvial systems**  
*ROOM Odeion*  
Chaired by: Prof. Massimiliano Ghinassi and Dr. Luca Colombera and Prof. Christopher Fielding and Dr. Marco Mancini
- 2pm **Reading sedimentary record of an extreme flood: a lesson from the Powder River (Montana, Usa)**  
» [Prof. Massimiliano Ghinassi](#), Mr. Matteo Guelfi, Dr. John Moody, Dr. Deborah Martin
- 2:15pm **Fluvial dynamics and sedimentary signatures in the Taquari Megafan, Pantanal Basin**  
» [Dr. Mauricio G. M. Santos](#), Dr. Mario Assine

- 2:30pm **Temporal and magnitudinal reconstruction of debris flooding events on alluvial fans in an Alpine environment (NW Slovenia)**  
» [Mr. Andrej Novak](#), Mr. Michal Lempa, M<sup>Sc</sup>. Karolina Janecka, Dr. Tom Levanič, Dr. Ryszard Kaczka, Prof. Andrej Šmuc
- 2:45pm **Form, Evolution and Controls of a Jurassic Incised Valley-fill: Middle Part of the Western Sichuan Depression, China**  
» [Dr. Junlong Liu](#)
- 3pm **Depositional architecture and external controls on Quaternary fluvial incised valleys in the subsoil of Rome (Italy)**  
» [Dr. Marco Mancini](#), Dr. Mattia Marini, Dr. Gian Paolo Cavinato, Dr. Cristina Di Salvo, Dr. Luca Laudati, Prof. Salvatore Milli, Dr. Massimiliano Moscatelli, Dr. Francesco Stigliano
- 3:15pm **Precession-driven river avulsion cycles shaping alluvial architecture in the interaction with autogenic depositional controls**  
» [Dr. Hemmo Abels](#), Mr. Youwei Wang, Mr. Timothy Baars, Mr. Akeel Alharbi, Dr. Joep Storms, Prof. Allard Martinus
- 2pm **11.G Seismic Geomorphology and Seismic Sedimentology: Improvements and Applications**  
*ROOM Partenone*  
Chaired by: Dr. Hongliu Zeng and Prof. Xiaomin Zhu
- 2pm **Reconstruction of sediment-dispersal patterns using seismic sedimentology in the southeastern Zhanhua Sag, Bohai Bay Basin, China**  
» [Prof. Xiaomin Zhu](#)
- 2:15pm **Seismic-scale basin-fill architecture in the Late Neogene Lake Pannon SW Pannonian basin, Croatia**  
» [Mr. Marko Špelić](#), Dr. Orsolya Sztanó
- 2:30pm **Seismic Subtle Sequence Boundary Identification and Fine-scale Depositional System Study in Lacustrine Basin**  
» [Mrs. Xuemei Sha](#)



Continued from Friday, 13 September

2:45pm **Prediction CBM gas content in coal reservoir based on seismic sedimentology method**  
 » [Dr. Lutong Cao](#), Prof. Yanbin Yao, Prof. Suoliang Chang, Prof. Dameng Liu

2pm **SKT 7.E (30 minutes) - 7.E Modern and ancient straits and seaways: towards a universal model for their sedimentary dynamics**  
*ROOM Blue1*  
 Chaired by: Prof. Sergio G. Longhitano and Dr. Valentina Rossi and Dr. Domenico Chiarella and Prof. Francesco Chiocci and Dr. Gemma Ercilla and Prof. M.Namik Çağatay

2pm **Morphology, processes and facies of modern straits: Variability and complexity dominate**  
 » [Prof. Robert W. Dalrymple](#)

2pm **9.B Arenite petrology for unravelling hinterland and offshore paleogeography. A tribute to Gian Gaspare Zuffa**  
*ROOM Blue2*  
 Chaired by: Prof. Salvatore Critelli and William Cavazza and Prof. Eduardo Garzanti and Prof. Rosanna De Rosa and Prof. Daniela Fontana and Prof. Jose Arribas and Prof. Cristina Stefani

2pm **Integrating sediment provenance and palynological analyses for reconstructing Late Quaternary paleogeographic evolution of the Venetian Plain (NE Italy)**  
 » [Dr. Arianna Marcollo](#), Dr. Alessandra Asioli, Dr. Antonella Miola, Dr. Giovanni Monegato, Prof. Paolo Mozzi, Prof. Cristina Stefani

2:15pm **Sedimentary Evolution and Tectonic Inversion from Middle Permian to Early Triassic, Bogda Mountain, NW China**  
 » [Ms. Yanqing Shi](#), Prof. Hancheng Ji, Prof. Qingping Weng

2:30pm **Detrital signatures of the Late Cretaceous to Paleogene Adria-Europe collision in the Dinarides**  
 » [Prof. Borna Lužar-Oberiter](#), Prof. Blanka Cvetko Tešović, Prof. Alan Moro, Dr. Maja Martinuš, Mr. Šimun Aščić, Dr. Frane Marković, Prof. Dražen Balen

2:45pm **High Resolution Records for The East Asia Winter Monsoon Evolution and The Climate Events in Shelf Mud Sediments during The Holocene**  
 » [Prof. Anchun Li](#)

3pm **Provenance of Mesozoic to Cenozoic circum-Mediterranean sandstones in relation to tectonic setting**  
 » [Prof. Salvatore Critelli](#)

3:15pm **Interplay of multiple sediment sources in the Jaca foreland basin (Southern Pyrenees)**  
 » [Mr. Xavier Coll Carrillo](#), Dr. David Gómez-Gras, Dr. Marta Roige, Dr. Salvador Boya, Dr. Antonio Teixell, Dr. Miquel Poyatos-Moré

3:30pm **Sandstone petrography and mudrock mineralogy of the Late Miocene Agnone Formation (Molise, Italy)**  
 » Dr. Gloria Campilongo, Dr. Daniel Tentori, [Prof. Francesco Perri](#), Dr. Vincenzo Tripodi, Prof. Salvatore Milli, Prof. Salvatore Critelli

2pm **2.B Along-strike variability in modern and ancient coastal and shelfal depositional environments**  
*ROOM Blue3*  
 Chaired by: Dr. Miquel Poyatos-Moré and Dr. Ernesto Schwarz and Prof. Alessandro Amorosi and Dr. Janok Bhattacharya

2pm **Sedimentary architecture of mixed-process mouth bar deposits in the Mulichin Formation, Neuquén Basin, Argentina**  
 » [Mr. Arve Rein Nes Sleveland](#), Prof. Ivar Midtkandal, Dr. Olivier Galland, Prof. Hector Armando Leanza

2:15pm **Evidences of preservation of "super embayments" in the Hutton Sandstone**  
 » [Dr. Valeria Bianchi](#), Prof. Joan Esterle



Continued from Friday, 13 September

- 2:30pm **Strike variability of shelf deltas in Jurassic Lajas Formation, Neuquén Basin, Argentina**  
» [Dr. Cornel Olariu](#), Mrs. Eunsil Jung, Prof. Ronald Steel, Dr. Valentina Rossi
- 2:45pm **Multi-scale influence of topography on depositional architecture of long-term transgressive successions (Jurassic, Neuquén Basin, Argentina)**  
» [Dr. Miquel Poyatos-Moré](#), Dr. Ernesto Schwarz, Dr. Salvador Boya, Dr. Luz Elena Gomis Cartesio, Prof. Ivar Midtkandal
- 3pm **Evolution of an early Permian coarse-grained shoreline along a rift basin margin**  
» [Dr. Antoine Dillinger](#), Dr. Annette George
- 3:15pm **Sedimentology of the 'nonactualistic' Middle Ordovician Hawaz Formation in the Murzuq Basin (Libya)**  
» [Mr. Marc Gil Ortiz](#), Dr. Neil McDougall, Dr. Patricia Cabello, Dr. Mariano Marzo, Dr. Emilio Ramos
- 2:30pm **SKT 5.A (30 minutes) - 5.A Non-marine carbonates: from the geological record to present-day processes in continental settings**  
*ROOM 11 ESD*  
Chaired by: Prof. Giovanna Della Porta and Prof. Enrico Capezzuoli and Prof. Mike Rogerson and Dr. Ezher Tagliasacchi
- 2:30pm **Tufa and microbialites in non-marine carbonate settings: a multi-scale approach**  
» [Dr. Concha Arenas Abad](#), Mrs. Leticia Martin-Bello, Dr. Francisco Javier Pérez-Rivarés, Mrs. Nerea Santos-Bueno

- 2:30pm **7.E Modern and ancient straits and seaways: towards a universal model for their sedimentary dynamics**  
*ROOM Blue1*  
Chaired by: Prof. Sergio G. Longhitano and Dr. Valentina Rossi and Dr. Domenico Chiarella and Prof. Francesco Chiocci and Dr. Gemma Ercilla and Prof. M.Namik Çağatay
- 2:30pm **Sedimentary features on the Messina Strait and its northern entrance**  
» [Prof. Francesco Latino Chiocci](#), Dr. Eleonora Martorelli, Dr. Daniele Casalbore, Dr. Federico Falcini
- 2:45pm **Strait deltas influenced by alongshore tidal currents: what can we expect to see? An example from the Siderno Basin**  
» [Dr. Valentina Rossi](#), Prof. Sergio G. Longhitano, Dr. Donatella Mellere, Dr. Domenico Chiarella, Prof. Ronald Steel, Dr. Cornel Olariu, Prof. Robert W. Dalrymple
- 3pm **Transgression in Permian fluvio-marine Lower Gondwana successions, peninsular India - reconstructing possible seaway within Gondwanaland continents**  
» [Prof. Biplab Bhattacharya](#)
- 3:15pm **The Plio-pleistocene M.Torre Palaeostrait (Southern Italy): sedimentary and palaeoecological markers of the bathyal Strait dynamics**  
» [Mr. Francois Raison](#), Dr. Pascal Barrier
- 3pm **SKT 1.E (30 minutes) - 1.E 3D modelling of carbonates: techniques and applications at different scales and processes**  
*ROOM 1 ESD*  
Chaired by: Dr. Marco Franceschi and Dr. Beatriz Bádenas and Sara Tomas and Dr. Jeroen Kenter and Dr. Laura Tomassetti
- 3pm **Best modeling approaches on a carbonate reservoir, a case study from the Majella Mountain, Central Apennines, Italy**  
» [Dr. Fabio Trippetta](#), Mr. Davide Durante, Dr. Lorenzo Lipparini, Mr. Alessandro Romi



Continued from Friday, 13 September

3pm **5.A Non-marine carbonates: from the geological record to present-day processes in continental settings**

ROOM 11 ESD

Chaired by: Prof. Giovanna Della Porta and Prof. Enrico Capezzuoli and Prof. Mike Rogerson and Dr. Ezher Tagliasacchi

3pm **Texture, geochemistry and development of banded veins in travertine depositional systems: implications for tectonic activity and palaeoseismicity reconstruction**

» Ms. Paola Francesca Matera, Dr. Sándor Kele, Dr. Gennaro Ventrucci, Dr. Martina Zucchi, Prof. Andrea Brogi, Prof. Enrico Capezzuoli, Dr. Giovanni Ruggieri, Prof. Domenico Liotta

3pm **SKT 11.G (30 minutes) - 11.G Seismic Geomorphology and Seismic Sedimentology: Improvements and Applications**

ROOM Partenone

Chaired by: Dr. Hongliu Zeng and Prof. Xiaomin Zhu

3pm **Seismic Geomorphology: From the Earth's Ocean Depths to the Distal Planets, a revolution in reconstructing paleo-landscapes and -seascapes**

» Dr. Lesli Wood

3:30pm **COFFEE BREAK (3:30pm - 4:00pm)**

4pm **8.A Ichnology, trace fossils and depositional environment**

ROOM 8 ESD

Chaired by: Prof. Francisco Javier Rodríguez-Tovar and Dr. Andreas Wetzel

**New data on Upper Eocene deep-sea trace fossils in the Lisi Anticline, Georgia**

» Ms. Nino Kobakhidze, Prof. Zurab Lebanidze, Ms. Tamar Beridze, Mr. Davit Makadze, Mr. Koba Lobzhanidze, Prof. Alfred Uchman

**Trace fossils in Paleocene-Lower Eocene deep-sea sediments ("Borjomi Flysh") of the Achara-Trialeti Fold-Thrust Belt**

» Prof. Zurab Lebanidze, Ms. Tamar Beridze, Ms. Nino Kobakhidze, Ms. Sophio Khutsishvili, Dr. Rusudan Chagelishvili, Prof. Kakha Koiava, Mrs. Nino Khundadze, Prof. Alfred Uchman

**Paleoenvironmental conditions at the Cenomanian-Turonian boundary interval on a collapsing slope setting: The ichnological record from the southern Spain**

» Prof. Francisco Javier Rodríguez-Tovar, Prof. Alfred Uchman, Dr. Matias Reolid, Dr. Carlos Sánchez-Quiñónez

**Macaronichnus and contourite depositional settings: nutrients and bottom currents as coupling factors**

» Mr. Olmo Miguez-Salas, Prof. Francisco Javier Rodríguez-Tovar, Mr. Wouter de Weger

**Sedimentary characteristics and evolution of the prototype basin in Early Permian to Early Middle Permian in the west Bogda Mountain outcrop area, China**

» Mr. Xintong Wang, Prof. Yingchang Cao

**Palaeoenvironmental changes during Pleistocene: An integrative approach of biotic and abiotic proxies**

» Dr. Javier Dorador, Prof. Francisco Javier Rodríguez-Tovar, Dr. Fátima Abrantes, Dr. Teresa Rodrigues, Mr. José F. Cabrera-Ortiz, Prof. David A.V. Hodell

**Ichnofacies evolution in a bottom current affected environment: approaching the depositional context**

» Mr. Olmo Miguez-Salas, Prof. Francisco Javier Rodríguez-Tovar

**Sedimentary and geochemical characterization of Neogene siliceous formations in northern Honshu island, Japan**

» Mr. Paolo Martizzi, Prof. Shun Chiyonobu, Prof. Hiroyuki Arato

**The Cambrian Substrate Revolution and Biogenic Controls on Seafloor Environments.**

» Ms. Catherine Mascord, Dr. Liam Herringshaw, Dr. Krysia Mazik, Prof. Daniel Parsons, Dr. Duncan McIlroy



Continued from **Friday, 13 September**

**Non-invasive techniques to characterise the ichnological content of cores from modern marine sediments**

» [Dr. Javier Dorador](#), Prof. Francisco Javier Rodríguez-Tovar, Dr. Jurgen Titschack

**Integrated facies and trace-fossil analysis of a shallow-marine transgressive succession (Late Miocene, SE Spain)**

» [Dr. Miquel Poyatos-Moré](#), Dr. Fernando García-García, Dr. Jesús Soria, Prof. Francisco Javier Rodríguez-Tovar, Dr. Fernando Pérez-Valera, Dr. Juan Peral, Prof. César Viseras, Prof. Ivar Midtkandal

**Paleoenvironmental changes in the westernmost Mediterranean over the last 80 kyr: An integrative geochemical and ichnological approach**

» [Mr. Santiago Casanova-Arenillas](#), Prof. Francisco Javier Rodríguez-Tovar, Dr. Francisca Martínez-Ruiz

**Ichnological analysis as a tool for assessing deep-marine circulation at the Alboran basin (Western Mediterranean)**

» [Mr. Santiago Casanova-Arenillas](#), Prof. Francisco Javier Rodríguez-Tovar, Dr. Francisca Martínez-Ruiz

**Ichnological analysis of shallow marine mixed bio-siliciclastic Pliocene deposits in the Agua Amarga section (Spain)**

» [Ms. Weronika Łaska](#), Prof. Francisco Javier Rodríguez-Tovar, Prof. Alfred Uchman

**Bichordites dominated ichnoassemblage from Pliocene shallow marine high-energy environments (Río Alías, SE Spain)**

» [Ms. Weronika Łaska](#), Prof. Francisco Javier Rodríguez-Tovar, Prof. Alfred Uchman

**Sedimentation processes and paleoenvironments in the Northern Barents Sea during the last deglaciation**

» Prof. Ivar Murdmaa, [Prof. Elena Ivanova](#)

**Depositional Environments and Paleogeography of the Lower Devonian Subbat Member, Jauf Formation, Saudi Arabia**

» [Mr. Hasan Algheryafi](#), Prof. Khalid Al-Ramadan, Prof. César Viseras, Mr. Abdulaziz Al-Duaiji, Mr. Salem Shammari

**Linking dinosaur footprints to sequence stratigraphy: the Molfetta-quarry case-study (Apulia Carbonate Platform, southern Italy)**

» Prof. Marcello Tropeano, Dr. Marco Petruzzelli, Dr. Mauro Caffau, Dr. Fabio Massimo Petti, [Prof. Luisa Sabato](#), Dr. Luigi Spalluto

**Bioturbation and sedimentation rate in prodeltas**

» [Dr. Janok Bhattacharya](#)

**Biogenic reworking patterns in highly bioturbated shallow-marine transgressive successions (Jurassic, Neuquén Basin, Argentina)**

» [Dr. Ernesto Schwarz](#), Dr. Miquel Poyatos-Moré, Dr. Salvador Boya, Dr. Luz Elena Gomis Cartesio

**Influence of weathering on paleo-environmental proxies in black shale : A case study in Kalpin area,China**

» [Ms. Han Quan](#), Dr. Xiuxiang Lv

**Torton-messinian paleoenvironments of bivalves (mollusks) from the northwestern of Algeria (M'sirda basin)**

» [Dr. Satour Linda](#), Prof. Bessedik Mostefa, Prof. Lahcene Belkebir

**Complex heterogeneity resulting from interplay of platform shedding, bioturbation, and diagenesis on a distally steepened carbonate ramp (Miocene, Great Bahama Bank)**

» [Prof. Tracy Frank](#), Mr. Ryan Mustacato

**Ichnological and sedimentological characterization of a regressive-transgressive sequence boundary in the Middle Miocene Pisco Formation, S Peru.**

» [Prof. Fabian Figueroa](#), Dr. Raúl Esperante, Prof. Orlando Poma





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### Campanian-Maastrichtian ichnology in northwestern Colombia: paleoenvironmental implications

» Mr. Carlos Ariel Giraldo Villegas, Prof. Francisco Javier Rodríguez-Tovar, Mrs. Estefania Angulo, Mr. Sergio Celis, Dr. Andrés Pardo, Mr. Diego Felipe Vallejo

### Palaeoenvironmental reconstruction of the Sedimentitas de Puerto-Escondido: evolution of a Miocene sequence in the Colombian-Caribbean

» Mr. Sergio Celis, Mr. Diego Felipe Vallejo, Mr. Raúl Andrés Trejos, Mr. Alejandro Rodas, Ms. Isabel Márquez, Ms. Andrea Ospina, Mr. Andrés Salazar, Mr. Carlos Ariel Giraldo Villegas, Dr. Andrés Pardo

### New data on Permian deposits of Wrangel island – fauna, sedimentology, paleogeography

» Prof. Marianna Tuchkova, Dr. Tatiana Filimonova, Dr. Tatiana Isakova, Prof. Sergey Sokolov, Ms. Veleria Beloshey

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### 5.C Modern lakes and lacustrine sediments as archives of geological environmental change and anthropogenic impact

*Museo di Arte Classica*

Chaired by: Dr. Marta Marchegiano and Prof. Domenico Cosentino and Prof. Elsa Gliozzi and Prof. Daniel Ariztegui and Prof. Laura Sadori and Dr. Patricia Roeser

### Mid-Eocene monsoon-like climate of East Asia recorded by aeolian deposits in a paleo-salt lake

» Dr. Jian Wang, Prof. Yingchang Cao, Prof. Keyu Liu

### The Fucino palaeolake (central Italy): a 3-Myr continental archive for constraining climate changes, environmental evolution, and tectonic events in the central Apennines

» Dr. Marco Spadi, Mr. Gianmarco Mondati, Prof. Domenico Cosentino, Prof. Marco Tallini, Prof. Elsa Gliozzi, Dr. Gian Paolo Cavinato, Dr. Marco Nocentini, Prof. Massimo Mattei, Prof. Francesca Cifelli

### The Castelnuovo deep borehole (L'Aquila, central Italy): archive of climate changes and environmental evolution from a Plio-Pleistocene paleolake

» Dr. Marco Nocentini, Prof. Adele Bertini, Dr. Gian Paolo Cavinato, Prof. Francesca Cifelli, Dr. Aida Conte, Prof. Sandro Conticelli, Dr. Sara Di Salvo, Dr. Biagio Giaccio, Prof. Elsa Gliozzi, Dr. Marina Iorio, Prof. Massimo Mattei, Mr. Marco Pardini, Dr. Giorgio Pipponzi, Dr. Eleonora Regattieri, Dr. Leonardo Sagnotti, Dr. Marco Spadi, Prof. Marco Tallini, Mrs. Eleonora Tomei, Prof. Giovanni Zanchetta, Prof. Domenico Cosentino

### Trace fossils as indicators of Quaternary environmental changes at Weereewa (Lake George), NSW, Australia

» Dr. Eva Papp, Ms. Rozalia Fodor, Dr. David Arpad, Dr. Alex Franke, Prof. Bradley Pillans, Dr. Sue Rule, Dr. Brad Opdyke

### High-resolution palaeohydrological reconstruction of central Italy during the Holocene: the example of Lake Trasimeno ostracod record

» Dr. Marta Marchegiano, Dr. Alexander Francke, Prof. Elsa Gliozzi, Prof. Bernd Wagner, Prof. Daniel Ariztegui

### Reconstruction of a Holocene fjord-infill: depositional patterns, suspended sediment yields, wind-induced circulation patterns and trapping efficiency for Strynevatnet, Inner Nordfjord, Norway

» Dr. Joep Storms, Dr. Achim Beylich, Dr. Louise Hansen, Dr. Nicolas Waldman

### Developing a Holocene storm record from lake sediments using a physical sedimentology approach

» Prof. Sean Fitzsimons, Dr. Jamie Howarth

### Late-Holocene lake-level changes in Middle-Atlas Mountains inferred from sedimentological, geochemical and geophysical analyses of lake sediments

» Dr. Guillaume Joue, Prof. Emmanuel Chapron, Prof. Thierry Courp, Mr. Bertil Hébert, Mr. Rachid Adallal, Ms. Hanane id Abdellah, Prof. Ali Rhoujjati, Prof. Abdelfattah Benkaddour, Prof. Samuel Meulé, Mr. Sébastien Marguerite, Dr. Corinne Sonzogni, Prof. Laurence Vidal



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**High-resolution 10Be in Black Sea sediments around 41 ka BP: Synchronization tool for paleoclimate studies**

» [Dr. Czymzik Czymzik](#), Dr. Norbert Nowaczyk, Dr. Florian Adolphi, Prof. Helge Arz, Prof. Raimund Muscheler, Dr. Marcus Christl

**Lake Kinneret (Israel): Holocene regional palaeoclimate variability based on high-resolution multi-proxy analysis**

» Ms. Hannah Hartung (Vossel), [Dr. Patricia Roeser](#), Prof. Thomas Litt, Prof. Jane Reed

**Sedimentary pigments associated to the formation of modern dolomite in a hypersaline lagoon**

» [Mr. Camila Oliveira](#), Prof. Cátia Barbosa, Dr. Anna Paula Cruz, Mr. Luiz Gustavo Valle, Ms. Nayara Dornelas, Mr. Daniel Silva, Mr. Felix Junior, Dr. Crisogono Vasconcelos, Prof. Daniel Ariztegui

**Anthropogenic effects on Ostracod and Chironomid assemblages from the sediments of Bordaglia, Dimon and Balma Lakes**

» [Dr. Gianguido Salvi](#), Dr. Selene Perilli, Dr. Marco Bertoli, Dr. Paolo Pastorino, Dr. Ester Colizza, Dr. Filippo Franz, Dr. Marino Prearo, Prof. Elisabetta Pizzul

**Sediment and pollutant dispersal in valley-type dam reservoir deltas: Les Království, Elbe River, Czechia**

» [Dr. Ondrej Bábek](#), Mr. Ondrej Kielar, Ms. Zuzana Lendáková, Dr. Jan Sedláček, Ms. Jitka Tolaszová

**Ground penetrating radar as a research tool for reservoir sediments**

» [Ms. Zuzana Lendáková](#), Prof. Ondřej Bábek, Mr. Jiří Štojdl, Mr. Jan Pacina, Dr. Jan Sedláček

**Discussion on conversion mode of terminal fan to low curved meandering stream fan: A case of Qingshankou Formation in Heidimiao area, Songliao Basin, China**

» [Dr. Weilu Li](#), Prof. Jinliang Zhang, Dr. Zhijie Liu

**Diagenesis evolution of the Triassic Chang 8 Member tight sandstone in Ordos Basin, China**

» [Mr. Shangfeng Yang](#)

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**1.C Understanding carbonate factories through paleoecological and geochemical signals**

*Museo di Arte Classica*

Chaired by: Prof. Marco Brandano and Dr. Guillem Mateu Vicens and Juan Ignacio Baceta

**Dedolomitization and calcite cementation in Majiagou formation in southeastern Ordos basin, China**

» [Ms. Lihong Liu](#), Mr. Zhili Du

**Relationship between the ooids size and layer structure: A Case Study of the Cambrian oolitic beach, south China**

» [Mr. Qiheng Guo](#), Prof. Zhenkui Jin

**Carbon and Oxygen Stable Isotope Characteristics and Palaeo-ocean Environment in Changxing Formation, Eastern Sichuan**

» [Dr. Peng Qin](#), Prof. Zhong Dakang, Prof. Zhonggui Hu

**Modern to fossil/ tropical to temperate seagrass skeletal assemblages: Insights from Maldivian and Mediterranean case studies**

» [Dr. Laura Tomassetti](#), Prof. Marco Brandano, Dr. Guillem Mateu Vicens, Dr. Giovanni Gaglianone

**Hydrotectonic dolomitization of the Upper Cambrian-Lower Ordovician carbonates in the Tazhong Uplift, NW China: Implications from petrography and geochemistry**

» [Prof. Mingyi Hu](#), Mrs. Yihui Wu, Dr. Roger Ngia

**Key hydrochemistry parameters and toxicity of Ali Sadr world's largest water cave (Hamadan, Iran)**

» [Ms. Zahra Mohammadi](#), Dr. Hannes Claes, Mr. Dadgar Mohammadi, Dr. Elvira vassilieva, Prof. Rudy Swennen



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**Eocene seagrass facies from Jahrum carbonate platforms (SW, Iran)**

» [Mrs. Elham Nafarieh](#), Prof. Ebrahim Ghasemi-Nejad, Prof. Marco Brandano, Dr. Mohammadali Kavosi

**Using CL-images of sedimentary carbonates as a criterion for the preservation of their Sr-isotopic system**

» [Dr. Irina Vishnevskaia](#), Dr. Kseniia Vasileva, Mrs. Anastasia Maksimova

**Environmental changes in the Lower to Middle Devonian inferred from major and trace elements geochemistry of carbonates**

» [Dr. Daniel Simíček](#), Prof. Ondřej Bábek, Prof. Jiří Kalvoda

**Epiphytic foraminiferal assemblages from Posidonia oceanica meadows of the Western Mediterranean Sea**

» [Dr. Virgilio Frezza](#), Dr. Giovanni Gaglianone, Dr. Laura Tomassetti

**Cretaceous atolls revisited**

» Dr. Or M. Bialik, [Dr. Elias Samankassou](#)

**Geochemical Characteristics and Genesis Mechanisms of Ordovician Dolomite in Gucheng Area, East Tarim Basin**

» Dr. Kedan Zhu, Mr. Zhang You, Prof. Yachun Wang, [Ms. Tong Lin](#)

**Sedimentary facies and benthic foraminifers from two atolls of Maldivian Archipelago (Indian Ocean)**

» [Dr. Giovanni Gaglianone](#), Dr. Andrea Benedetti, Prof. Marco Brandano, Dr. Laura Tomassetti, Dr. Guillem Mateu Vicens

**Same fate, different environmental conditions: drowning of two Cenozoic platforms in Alpine and Apennine foreland**

» [Mr. Andrea Tomassi](#), Dr. Laura Tomassetti, Prof. Marco Brandano

**Trends in Benthic Foraminiferal Relative Abundance and Diversity: Developing a Proxy for Investigating Paleo-Seagrass Habitats in Mixed Carbonate-Siliciclastic Settings**

» [Ms. Maria Sider](#), Dr. Susan Richardson

**Enigmatic 3-5 meters long vertical tubes in the Turonian deposits of Poland – biotic versus abiotic origin and its implications for the lithification processes**

» [Prof. Zbyszek Remin](#)

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**11.C Sedimentology at reservoir-scale: recent improvements and way forward**

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**3D Modeling of Fluvial Facies in Sulige Gas Field of Ordos Basin, China**

» [Mr. Jinbu Li](#), Mr. Wen Xu, Dr. Zhongqiang Sun

**Geological modeling of distributary channel sandbody with meandering property. An example from the P1 oil layer at east of Xingliu district in Xingshugang Oilfield in Daqing Placanticline in Songliao Basin**

» [Mr. Yao Xiang](#), Mr. Yangquan Jiao

**Sedimentological, Architectural Features and Significances of Tidal-generated Sand Bodies: A Review**

» [Mr. Yang Li](#), Dr. Zhenkui Jin

**Sedimentological Understanding from the Rock Cuttings in the Core Scarce Triassic Minjur Formation in Kuwait**

» [Ms. Abrat Albloushi](#), Dr. Saifullah Tanoli, Mr. Yousef Al-Azmi, Mr. Meshal Al-Wadi

**Oil reservoirs in basal terrigenous sediments of the sedimentary cover of different types of basins**

» Mrs. Elena Zhukovskaia, [Ms. Evgeniia Milei](#)



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**Sedimentary characteristics of shallow-water delta in Chang six member of Upper Triassic Yanchang Formation in Ansai Oilfield, China**

» [Prof. Yixiu Zhu](#), Mr. Chengyu Yang, Ms. Huan Wang

**Diagnostics features of hydrocarbon reservoirs in delta deposits according to core and well log data**

» [Ms. Ana Gogic](#), Mrs. Elena Zhukovskaia, Ms. Irina Zahirovic, Ms. Evgeniia Milei

**Sedimentological and Reservoir Characterization of Hith Formation in Kuwait**

» [Ms. Shamaa Alrashidi](#), Mr. Dabeer Khan

**Characteristics and Prediction Methods of the Cambrian Sub-salt Dolomite Reservoirs in Tarim Basin, NW China**

» [Dr. Tianyu Ji](#), Prof. Wei Yang, Prof. Renhai Pu, Dr. Xueqiong Wu

**Sedimentary facies and dolomitization model of Middle Permian Qixia Formation in Northwest Sichuan basin, China**

» [Mr. Bo Li](#), Mr. Xingzhi Wang, Mrs. Xuefei Yang, Mr. Shengyang Xie, Mr. Fei Huo

**The occurrence characteristics and dominant influential factors of movable fluids in the tight oil reservoir: A case study of the Triassic tight sandstone of gravity flow sediments in Ordos Basin, China**

» [Dr. Junjie Wang](#), Prof. Shenghe Wu

**Pore characterization and shale facies analysis of the Ordovician-Silurian transition of northern Guizhou, South China: The controls of shale facies on pore distribution**

» [Dr. Yifan Li](#), Prof. Juergen Schieber, Prof. Tailiang Fan

**Pore-throat characteristics of tight sandy conglomerate reservoirs in Es4 Member, Dongying Depression, China**

» [Ms. Wenzhe Yang](#), Prof. Jiagen Hou, Mr. Luxing Dou, Prof. Yuming Liu

**Comparison of Fluid Movability of Tight Oil Reservoirs between Paleogene Shahejie Formation in Bohai Bay Basin and Benxi Formation in Ordos Basin**

» [Ms. XiRong Wang](#), Prof. Fujie Jiang, Ms. Tianyu Zheng

**Dolomite Reservoir Heterogeneity Analysis Based on CT Imaging Technology**

» [Dr. Hu Anping](#), Dr. Kedan Zhu, Ms. Tong Lin, Mr. Zhang You

**Study on Diagenesis of Tight Sandstone: A Case in Northwest Sichuan Basin, China**

» [Mr. Kewen Feng](#), Ms. Xue ke Wang, Prof. Wei Li

**Diagenetic facies and reservoir quality prediction via well logs**

» [Dr. Jin Lai](#), Prof. Guiwen Wang, Ms. Xiaojiao Pang

**Correlation between uranium mineralization and local sedimentary-tectonic evolution of the Cenozoic Shangganhaigou Formation in the western Qaidam Basin, Tibetan Plateau**

» [Dr. Daotao Dong](#), Dr. Qiu Longwei, Mr. Wang Yuzhe

**Diagenesis and porosity evolution of Palaeogene sandstone reservoirs in NO.3 structural belt of Nanpu sag**

» [Mr. Jiaqi Yang](#), Prof. Youliang Ji, Mr. Hao Wu

**Impact of diagenesis on reservoir quality of tight sandstone**

» [Dr. Qinghai Xu](#)

**Characteristics and Main Controlling Factors of Middle Permian Qixia Formation reservoirs in NW Sichuan Basin**

» [Mr. Pan Lin](#)

**Using Ultraviolet Light for Fast Sedimentological Analysis and Characterization of Reservoir Rocks: A Case Study of the Upper Miocene Sediments from the Sava Depression, Croatia.**

» [Mr. Mario Matošević](#), Mr. Krešimir Krizmanić, Ms. Slađana Zlatar, Ms. Morana Hernitz Kučenjak, Mr. Goran Mikša, Ms. Gabrijele Pecimotika



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#### **4.B Linking deep water depositional processes, facies and stratigraphy**

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#### **Mud caps of Holocene hybrid event beds from the widest and gentlest shelf: implication for genesis**

» [Dr. Xin Shan](#), Dr. Xuefa Shi

#### **Supercritical jet flows and their transition to density flows – insights from tank experiments**

» [Dr. Jörg Lang](#), Dr. Juan Fedele, Dr. David Hoyal

#### **Control on subaqueous density flow types in a Gilbert delta context, Upper Jurassic, Norway**

» [Mr. Romain Grime](#), Dr. Bernard Pittet, Mr. Sten Rasmussen, Dr. Francesco Borraccini, Ms. Carmen Brazon

#### **Two different types of deep-water fan formation conditions and oil & gas exploration effects**

» [Mr. Lulu Cai](#), Mr. Xiaojun Xie, Mr. Jihua Liao, Mr. Zhao Zhao, Mr. Shuopeng Dong

#### **Characteristics of Deep Water Sediment Waves in the Channel-Lobe Transition Zone of Rovuma Basin**

» [Ms. Hui Sun](#), Mr. Shaozhi Liu, Mr. Guoping Zuo, Mr. Xiaoyong Xv, Ms. Ma Hongxia, Mr. Bin Wang

#### **The effect of bed roughness on the mobility of cohesive sediment gravity flows**

» [Ms. Serena L. Teasdale](#), Dr. Jaco H. Baas, Ms. Megan L. Baker, Dr. Jonathan Malarkey

#### **New insights in the geomorphology of the Gulf of Vera (southwestern Mediterranean)**

» [Dr. Gemma Ercilla](#), Prof. Jesus Galindo-Zaldivar, Mr. Ferran Estrada, Dr. Javier Valencia, Dr. David Casas, Prof. Belen Alonso, Mr. Victor Tendero, Prof. Menchu Comas, Prof. Carlos Sanz de Galdeano, Dr. Juan-Tomás Vázquez

#### **Sedimentological characteristics and facies analyses of Istrian flysch deposits (Dinaric foreland, Croatia)**

» [Mr. Krešimir Petrinjak](#), Mr. Stanislav Bergant

#### **Improved forward numerical simulations of deepwater depositional systems: Distinct depositional styles associated with criticality of flows**

» [Dr. Timothy Demko](#), Dr. Juan Fedele, Dr. Gwladys Gaillot, Dr. David Hoyal, Dr. Mrugesh Shringapure, Dr. Huafei Sun, Dr. Ramanathan Vishnampet

#### **Late Cretaceous to early Eocene geological history of the eastern Ionian Basin, southwestern Greece: a sedimentological approach**

» [Ms. Nicolina Bourli](#), Dr. George Pantopoulos, Dr. Angelos Maravelis, Dr. Elena Zoumpoulis, Prof. George Iliopoulos, Prof. Fotini Pomoni-Papaioannou, Dr. Sofia Kostopoulou, Prof. Avraam Zelilidis

#### **Stability of fluvial and gravity-flow antidunes**

» [Dr. Juan Fedele](#), Dr. David Hoyal, Dr. Timothy Demko

#### **Late Pleistocene depositional history of the distal Almeria Turbidite System (SW Mediterranean): paleoenvironmental implications**

» [Prof. Belen Alonso](#), Dr. Gemma Ercilla, Mr. Oscar Llamosa, Mr. Ferran Estrada, Dr. Carmen Juan, Dr. David Casas, Dr. Juan-Tomás Vázquez

#### **Shelf-edge delta and associated slope fan systems of the Late Oligocene to Early Miocene in the Pearl River Mouth Basin**

» [Dr. Manli Zhang](#), Prof. Changsong Lin, Dr. Min He, Mr. Zhongtao Zhang



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**Establishing a magnitude-frequency relationship in turbidity currents using magnetostratigraphy (Castagnola Fm., NW Italy)**

» Dr. Matteo Maron, [Dr. Mattia Marini](#), Mr. Eugenio Ferretti, Prof. Fabrizio Felletti, Prof. [Giovanni Muttoni](#), Prof. Maria Rose Petrizzo

**Geometry and internal facies partitioning of the Contessa Megaturbidite from long distance (130×30 km) correlation (Miocene Marnoso Arenacea Fm; Northern Apennines, Italy)**

» [Prof. Fabrizio Felletti](#), Dr. Mattia Marini, Mr. Nicolò Bellin, Prof. Peter Talling

**Alternating aggradational and progradational clinothems and its implications for sediment delivery to deep lake: The Eocene Dongying Depression, Bohai Bay Basin, east China**

» [Prof. Benzhong Xian](#), Dr. Jianping Liu, Dr. Chenglin Gong, Dr. Junhui Wang, Dr. Zhen Wang, Dr. Peng Chen

**Analysis of gravitational deposits at the continental slope of the northeastern part of the Black Sea**

» [Mrs. Oksana Khlebnikova](#), Mrs. Anastasia Pirogova, Mrs. Anna Ivanova, Prof. Anatoly Nikishin

**Large-scale mass wasting along a cool-water carbonate slope: the Great Australian Bight, Australia**

» [Mr. Tomas Tam](#), Prof. Simon Lang, Dr. Andrew Ross, Dr. Julien Bourget, Dr. April Pickard, Dr. Asrar Talukder, Dr. Annette George, Dr. Emanuelle Frery

**Deep water sedimentation associated with the Early Paleozoic orogenic foredeep on Co To archipelago, NE Vietnam**

» Mr. Hoang Bui, [Mr. Tuan Nguyen Quang](#), Dr. Dung Bui

**The sedimentation conditions of the Lower Cretaceous sediments of the Western Ciscaucasia.**

» [Ms. Yulia Mashkina](#)

**Supercritical flow experiments with a wide range of grain sizes: Implications for outcrop interpretation**

» [Dr. Piret Plink-Björklund](#), Dr. Kenya Ono, Dr. Matthieu Cartigny, Dr. Joris Eggenhuisen, Mr. Haipeng Li, Mrs. Dessy Sapardina, Dr. Chengpeng Tan, Dr. Jianqiao Wang

**Facies architecture of deepwater lobes deposited by expanding supercritical density flows**

» [Dr. Jörg Lang](#), Dr. George Postma, Dr. Nicole Bayliss, Dr. Timothy Demko, Dr. Juan Fedele, Mr. Mario Gutierrez, Dr. David Hoyal, Mr. Nathan Lentsch, Mr. Logan West

**Integrated Sedimentological and Geomechanical Characterization of Flysch Successions: the Case of the Capo D'Orlando Flysch (Southern Italy)**

» Dr. Simone Mineo, Dr. Giovanna Pappalardo, [Dr. Claudio Ivan Casciano](#), Prof. Agata Di Stefano, Prof. Stefano Catalano

**Sand detachment mechanisms on the modern seafloor: A review of processes and examples**

» [Dr. John W. Counts](#), Dr. Lawrence Amy, Dr. Aggeliki Georgiopoulou, Prof. Peter Haughton

**Differences between leeward and windward carbonate margins: results from Bahamian investigations**

» [Dr. Kelly Fauquembergue](#), Prof. Thierry Mulder, Dr. Vincent Hanquiez, Dr. Emmanuelle Ducassou, Ms. Audrey Recouvreur, Mrs. Natacha Fabregas, Dr. Melanie Principaud, Dr. Ludivine Chabaud, Dr. Elsa Tournadour, Mrs. Marie-Claire Perello, Dr. Emmanuelle Poli, Prof. Jean Borgomano, Prof. John Reijmer

**Linking shelfal 'turbidites' to their feeding system: the Monastero Fm. (eastern Tertiary Piedmont Basin)**

» [Dr. Simone Reguzzi](#), Dr. Mattia Marini, Prof. Fabrizio Felletti

**The foredeep turbidites of the Macigno Sandstones Formation (Chattian-Aquitainian, northern Apennines, Italy)**

» [Dr. Alberto Piazza](#), Prof. Roberto Tinterri





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**„Dunoid“ sandstones in deep-water sediments: insights from scour-and-fill facies of the Western Ligurian Flysch**

» Dr. Pierre Mueller, [Dr. Marco Patacci](#), Prof. Andrea Di Giulio

**Depositional Geometries and Sedimentological Characterization of Tabular Deposits in Tectonically-Confined Turbidite Basins : The Gorgoglione Flysch (Italy)**

» [Dr. Claudio Ivan Casciano](#), Dr. Marco Patacci, Dr. Alan Pitts, Prof. Claudio Nicola Di Celma, Prof. Stefano Catalano, Prof. Agata Di Stefano

**Comparing two foredeeps: Cervarola Sandstones and Marnoso-arenacea Formations (Miocene, northern Apennines, Italy)**

» [Prof. Roberto Tinterri](#), Dr. Pierre Muzzi Magalhaes, Dr. Alberto Piazza, Dr. Alessio Tagliaferri

**Settling-driven convection limits the spatial scale of deposition beneath buoyant turbid flows in the coastal ocean**

» [Prof. Mathew Wells](#), Dr. Shahrzad Jazi

**The sand-rich foredeep turbidites of the Gova Sandstones (Miocene, northern Apennines, Italy): a zone of tectonically-controlled flow deceleration**

» [Prof. Roberto Tinterri](#), Dr. Alberto Piazza, Mr. Simone Seminara, Prof. Giuliana Villa

**Role of Early Jurassic rift architecture in the dispersal of calciturbidites: New insights from the Central and Northern Apennines**

» [Dr. Angelo Cipriani](#), Ms. Martina Caratelli, Prof. Massimo Santantonio

**Analysis of experimental data for determination of transport efficiency in density currents**

» [Dr. Carolina Boffo](#), Dr. Daniel Bayer da Silva, Mr. Lucas de Freitas Pereira, Mrs. Bianca Von Ahn, Mr. Rodrigo Schwambach, Mr. Arthur Cerqueira, Prof. Ana Luiza de Oliveira Borges, Prof. Rafael Manica, Mr. Tiago Agne de Oliveira, Dr. Marco Moraes, Dr. Paulo Paraizo

**Upper Cretaceous-Paleogene sedimentary deposits of western Colombia and their relationship with the geologic evolution of nw South America**

» [Dr. Andrés Pardo](#), Dr. Agustín Cardona, Mr. Andrés Stefen Giraldo, Mr. Santiago León, Mr. Diego Felipe Vallejo, Mr. Raúl Andrés Trejos, Mr. Angelo Plata, Mr. Julián Ceballos, Mr. Sebastián Echeverri, Mr. Angel Barbosa-Espitia, Mr. Andrés Salazar, Mr. Sergio Celis, Mr. Edward Osorio, Mr. Carlos Giraldo

**Grain size distribution in the Mineral Liberation Analyzer (MLA) image and its statistical analysis**

» [Dr. Joanna Pszonka](#)

**Hybrid event beds in lacustrine confined turbidite systems, Pannonian Basin**

» Ms. Dóra Zima, Mrs. Anna Horányi, Mrs. Gabriella Molnár, [Dr. Orsolya Sztanó](#)

**The Numidian sand event in the Western Rif Chain (Northern Morocco)**

» [Mr. Anas Abbassi](#), Prof. Paola Cipollari, Prof. Mohamed Najib Zaghoul, Prof. Domenico Cosentino

**Contained-reflected beds: examples from foredeep turbidites and helminthoid flysches of the northern Apennines (Italy)**

» Prof. Roberto Tinterri, [Dr. Tommaso Mazza](#)

**Sedimentary succession of the Cergowa Beds as an example of a hyperpycnal turbulent flows**

» Dr. Magdalena Zielińska, [Dr. Joanna Pszonka](#), Prof. Marek Wendorff

**Are basin floor fans dominated by sheets and lobes?**

» [Mrs. Dessy Sapardina](#), Dr. Piret Plink-Björklund

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**5.E Sedimentary processes, stratal architecture and stratigraphy of alluvial systems**

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**Sequence stratigraphy and architectural variability in post-rift lacustrine strata: insight from the Upper Cretaceous Qingshankou Formation, northern Songliao Basin, northeastern China**

» [Dr. Youliang Feng](#)

**Humid Alluvial Fan Characteristics of the Jurassic in Hashan Area, Western China**

» [Prof. Shaochun Yang](#), Dr. Ya Wang, Ms. Chunmin Xue, Dr. Yongfu Zhao

**The study of sedimentary sequence and favorable zones of the Paleogene in northern sag of Melut Basin**

» [Dr. Ran Huaijiang](#), Mr. Leyuan Fan

**Architecture and evolution of the Eocene delta in Dongying Sag: relations with sediment transported into the deep-lacustrine**

» [Dr. Haibo Jia](#), Dr. Wei Li

**Sedimentary facies and architectural analysis of part of Shendi Formation, Shendi-Atbara Basin, Sudan**

» [Mr. Mohamed Hassan](#), Prof. Matthew Nton, Dr. Ali Eisawi

**The Late Holocene lower Ganga River: a seasonal sandy braided river**

» [Dr. Xin Shan](#), Dr. Xuefa Shi, Dr. Chengpeng Tan, Dr. Shunli Li

**Sedimentary characteristics of Shallow-Water Delta Front in Huanghekou Sag of Bohai Bay Basin, East China**

» [Mr. Zhao Hanqing](#), Mr. Kuiqian Ma, Mr. Yingxian Liu, Mr. Xiaoming Chen, Mr. Qiongyuan Wu

**Sedimentary architecture of alluvial fan controlled by syn-sedimentary reverse fault associated fold**

» [Mr. Qinyu Xia](#)

**Uranium-bearing strata sedimentary system and Uranium mineralization in fault-depression transition stage of Bayingobi Basin, China**

» [Mrs. Liqun Wu](#), Mr. Yangquan Jiao, Dr. Yuguang Hou, Mr. Hui Rong

**Effects of Late Pleistocene synsedimentary tectonics on alluvial architecture at the Po Plain-Appennines border (N-Italy)**

» [Dr. Chiara Zuffetti](#), Prof. Riccardo Bersezio

**Assessment of differential subsidence in the Eastern Venetian Plain through Late-Holocene stratigraphic markers**

» [Prof. Alessandro Fontana](#), Dr. Livio Ronchi, Prof. Mario Floris, Dr. Timme Donders, Dr. Kim Cohen, Dr. Esther Stouthamer, Dr. Nicola Cenni

**Fluvial morphology response to base-level changes: An experiment implication for sequence stratigraphy**

» [Mr. Dicky Harishidayat](#), Mr. Rian Cahya Rohmana, Mr. Iqbal Fardiansyah, Mr. Leon Taufani

**Simulation experiment on coarse particle distribution and its influencing factors in braided river delta**

» [Mr. Siyuan Wei](#), Prof. Zhongbao Liu, Mr. Xitong Wang

**Sedimentary characteristic and models of terrestrial organic-rich shale in Northeast Sichuan Basin, NW China**

» [Dr. Deyu Zhu](#), Prof. Zhenxue Jiang

**Sedimentary characteristics of alluvial fan in Qie12 block of Qaidam Basin**

» [Mr. Gong Qingshun](#), Mr. Zhu Chao

**Evolution of the Kalahari Karoo Basin fluvial systems: new perspective for economic deposits in Botswana**

» [Dr. Fulvio Franchi](#), Mr. Tebogo Kelepile, Dr. Andrea Di Capua, Prof. Mike De Wit, Mr. Reneilwe Lasarwe, Prof. Octavian Catuneanu



Continued from **Friday, 13 September**

**Sedimentary characteristics and controlling factors of the Paleogene Dainan Formation in the Huangjue-Majiazui area in Gaoyou Sag, Subei Basin**

» [Mr. Pengfei Xiang](#), Prof. Hancheng Ji

**Subsidence in the Seville urbanized alluvial plain from MT-InSAR (Guadalquivir basin, southern Spain)**

» [Prof. Jesus Galindo-Zaldivar](#), Dr. Ana Ruiz-Constán, Dr. Antonio M. Ruiz-Armenteros, Dr. Francisco Lamas-Fernández, Dr. Joaquim João Sousa, Prof. Carlos Sanz de Galdeano, Dr. Antonio Pedrera, Dr. Sergio Martos-Rosillo, Dr. J. Manuel Delgado, Dr. Ramon F. Hanssen, Prof. Antonio J. Gil

**Sedimentary dynamic in Triassic syn-rift series of the Imini basin, High Atlas of Marrakech, Morocco**

» Ms. Soukaina Obad, [Prof. Rachid Essamoud](#), Dr. Abdelkrim Afenzar

**Atypical Meter-scale Cycles within Inclined Heterolithic Strata (IHS) Reveal Fluvial Floods?**

» [Dr. Milovan Fustic](#)

**Formation Mechanism and Distribution Regularities of Clast-supported Gravel/Framework Support Conglomerate in Alluvial Fans**

» [Ms. Zhang Yue](#), Mr. Youliang Ji, Mr. Chonglong Gao, Mr. Wanda Song, Prof. Yong Zhou, Mr. Wei Du

**Tectono-stratigraphic evolution of the Northern Iranian Plateau: insights from synorogenic continental deposits of the Taram Intermontane Basin**

» [Dr. Mohammad Paknia](#), Prof. Paolo Ballato, Prof. Massimo Mattei, Dr. Ghasem Heidarzadeh, Prof. Francesca Cifelli, Prof. Jamshid Hassanzadeh, Prof. Majid Mirzaie, Prof. Mohammad Reza Ghassemi

**Mg-clay minerals formation in ephemeral lakes of central Spain: biotic and geochemical controls**

» [Mr. Pablo del Buey](#), Dr. Óscar Cabestrero, Dr. M. Esther Sanz-Montero

**What drives avulsions in a low gradient delta?**

» [Dr. Harm Jan Pierik](#), Dr. Tjalling de Haas, Prof. Maarten Kleinans

**The Late Palaeozoic Ice Age across Gondwana: a stratigraphic comparison between Victoria Land (Antarctica) and Tasmania (Australia) diamictites**

» Mr. Luca Zurli, [Prof. Gianluca Cornamusini](#), Mr. Giovanni Pio Liberato, Prof. Franco Maria Talarico, Prof. Jusun Woo, Prof. Paolo Conti, Ms. Valentina Corti

**Facies architecture of alluvial fan systems: insights from the Early Permian Orobic Basin (North Italy)**

» Dr. Claudio Chesi, [Dr. Simone Reguzzi](#), Prof. Fabrizio Berra, Prof. Giuseppe Cadel, Prof. Fabrizio Felletti

**Improving Geochronology in Terrestrial Strata with Detrital Zircon U-Pb Maximum Depositional Ages**

» [Prof. Mike Blum](#)

**Formation and filling of Desmoinesian (Pennsylvanian) incised valleys in the Illinois Basin, USA: a signature of coarse sediment undersupply**

» [Prof. Christopher Fielding](#), Mr. John Nelson, Mr. Scott Elrick

**Variability of sediment properties within point bars: an example from the Holocene Po Plain (Italy)**

» [Dr. Elena Bellizia](#), Prof. Massimiliano Ghinassi, Dr. Jacopo Boaga, Prof. Andrea D'Alpaos

**Preliminary stratigraphic comparison between Permian-Triassic sequences of the Tasman (Australia) and Southern Victoria (Antarctica) basins**

» [Dr. Giovanni Pio Liberato](#), Prof. Gianluca Cornamusini, Mr. Luca Zurli, Prof. Paolo Conti, Prof. Clive Calver, Prof. Sebastien Meffre, Prof. Franco Maria Talarico

**Separating lateral migration, abandonment and reactivation in internal architecture mapping of avulsive channel belts in the Rhine-Meuse delta, The Netherlands.**

» [Mr. Tim Winkels](#), Dr. Esther Stouthamer, Dr. Kim Cohen



Continued from Friday, 13 September

**Analysis of the Holocene stratigraphic architecture and soil properties causing the subsidence of the Volturno coastal plain (northern Campania, southern Italy)**

» [Prof. Daniela Ruberti](#), Prof. Alessandro Mandolini, Dr. Fabio Matano, Prof. Luciano Piarelli, Dr. Marco Sacchi, Dr. Marco Vigliotti

**Is it possible to work out the lateral migration of preserved fluvial systems?**

» [Dr. Hazel Beaumont](#), Dr. Catherine Russell

**First record of megafloora and sedimentary facies in the Aconquija Formation (middle - late miocene), Catamarca, Argentina**

» [Ms. Sofia Carolina Avellaneda](#), Dr. Claudia Marcela Muruaga, Dr. Hugo Carrizo

**Alluvial fans and fluvial fans: geomorphic and sedimentological distinction and relevance in a geo-energy perspective**

» [Prof. Andrea Moscariello](#), Dr. Dario Ventra

**Microclimatic control of secondary cave minerals deposition in Atacama Desert (Chile)**

» [Laura Sanna](#)

4pm

**11.G Seismic Geomorphology and Seismic Sedimentology: Improvements and Applications**

*Museo di Arte Classica*

Chaired by: Dr. Hongliu Zeng and Prof. Xiaomin Zhu

**Application of Geophysics in the Sedimentological Analysis: A case study from H7-S1 Formation of Sulige Gas Field in Ordos Basin, China**

» Dr. Zhongqiang Sun, [Prof. Jinliang Zhang](#), Dr. Yang Li

**Fluvial channel bodies evolution analysis and quantitative characterization of Sarybulak Block in South Turgay Basin**

» [Dr. Kai Guo](#), Mr. Leyuan Fan, Ms. Yang Li

**Hydrocarbon Generation Implications of a Piggy-Back Basin in a Complex Fold and Thrust Belt**

» Dr. Efthymios Tripsanas, [Dr. Ioannis Oikonomopoulos](#), Dr. Nikolaos Lykakis, Dr. Spilios Sotiropoulos

**Seismic sedimentology approach for enhancing thin-bedded interpretation in the complex glacial shelf-edge depositional environment**

» [Mr. Dicky Harishidayat](#), Prof. Ståle Emil Johansen, Prof. Kenneth Duffaut

**Paleogeomorphic Influence on Facies Characteristics of Delta and the Prediction of Favorable Reservoir - An example from L oil field in Bohai bay, China**

» [Mr. Cui Longtao](#)

**Shallow-water delta sedimentary and seismic characteristics in the west slope, Raoyang sag, Bohai bay Basin, China**

» [Ms. Lei Ye](#), Prof. Xiaomin Zhu

**Research on High Resolution Seismic Sedimentology -Application Examples to Thin Reservoir in Huizhou Depression**

» Mr. Liu Hao, [Mr. Liu Lihui](#)

**Identification of ancient volcanoes in seismic and its relationship with deep faults**

» [Dr. Xiaoguang Yang](#), Prof. Shaobin Guo

**Inverted topography and differential compaction: proxies to estimate lithology distributions in glacially influenced Paleozoic sections.**

» [Dr. Nikolaos Michael](#), Mr. Luis Giroldi, Mr. Tahar Rahem

**Lithology mapping of a mixed siliciclastic-carbonate-evaporite system using 3D seismic and well data: Lower Triassic Jialingjiang Formation, Sichuan Basin, southwestern China**

» [Dr. Tongshan WANG](#), Mr. Guanghui Xu, Dr. Tong Lin, Mr. Zaiyuan Hu, Mrs. Lu Wang, Ms. Yuanyuan Hu, Dr. Yongxin Li, Mr. Xiao Hu, Mr. Jin Du, Dr. Zhaohui Xu



Continued from Friday, 13 September

**Geomorphological Interpretation in Seismic Facies Recognition**» [Dr. Sihai Zhang](#)**Concept And Application Of Compound Sand Architecture for Meandering Reservoir In Offshore Q Oil Field, Bohai Bay Basin, Eastern China**» [Dr. Laiming Song](#), Prof. Guangyi Hu, Dr. Tingen Fan, Mr. Xu Liang**Subsidence history of the North Pannonian Basin System (Danube Basin)**» [Mrs. Petronela Nováková](#), Dr. Samuel Rybár, Dr. Júlia Kotulová, Prof. Michal Nemčok, Mr. Tomáš Vlček**Quantitative characterization of braided river delta sandbody based on seismic sedimentology**» [Prof. Lihua Ren](#), Dr. Shuting Liu, Prof. Chengyan Lin, Prof. Xianguo Zhang, Prof. Chunmei Dong, Prof. Wensong Huang**Characteristics of Collapsed Paleokarst-cave Systems and Controlling Factors of Paleokarst Cave Development in the Lianglitage Formation, Halahatang Oilfield, Tarim Basin, NW China**» [Dr. Chaozhong Ning](#)**The application of seismic sedimentology to predict beach and bar sand in Zhahaquan area of Qaidam Basin**» [Mr. Ping Zhang](#), Mr. Wang Jianguo**A new method of 3D seismic horizon auto-tracing and its application in seismic sedimentary analysis**» [Dr. Su Mingjun](#), Mr. Han Qingyun, Mr. Qian Feng, Mr. Yuan Cheng**Paleoclimate Constraints on the Evolution of Jurassic Channels in the Baijiahai Uplift, Junggar Basin**» [Mr. Lie Xiao](#), Dr. Jian Wang**Geomorphological and Sedimentological evolution of Sabarmati river basin Gujarat, Western India for Seismic Hazard Assessment**» [Mr. Nisarg Bhatt](#), Dr. Vasu Pancholi, Dr. Girish Kothiyari, Dr. Rajesh Shah, Mr. Raj Sunil Kandregula

4pm

**7.E Modern and ancient straits and seaways: towards a universal model for their sedimentary dynamics***Museo di Arte Classica*

Chaired by: Prof. Sergio G. Longhitano and Dr. Valentina Rossi and Dr. Domenico Chiarella and Prof. Francesco Chiocci and Dr. Gemma Ercilla and Prof. M.Namik Çağatay

**It's long way to the top, if you want rock 'n' roll (What we know and what that we still need to know on tidal straits)**» [Prof. Sergio G. Longhitano](#), Dr. Domenico Chiarella**An ancient tidal sand ridge in a tide-dominated seaway(lower Pleistocene SidernoBasin, Calabria, Italy)**» [Dr. Antonio Nappi](#), Dr. Fabio Olita, Dr. Valentina Rossi, Dr. Donatella Mellere, Dr. Domenico Chiarella, Prof. Marcello Tropeano, Prof. Robert W. Dalrymple, Prof. Ronald Steel, Prof. Sergio G. Longhitano**The middle Miocene 'Sabbie di Florinas' Fm in the Logudoro Basin (Italy): towards the identification of the ancient Sardinian Seaway?**» [Dr. Donatella Telesca](#), Dr. Marco Pistis, Prof. Vincenzo Pascucci, Prof. Marcello Tropeano, Prof. Luisa Sabato, Prof. Sergio G. Longhitano

4pm

**6.B Technological and conceptual advances in sequence stratigraphy. New achievements and open questions***Museo di Arte Classica*

Chaired by: Dr. Domenico Ridente and Prof. Christian Gorini and Dr. Adriano R. Viana and Dr. Bilal Haq

**Tectono-stratigraphy and Sedimentary Infill Characteristics of Xujiache Formation in Western Sichuan Foreland Basin**» [Dr. Junlong Liu](#)



Continued from Friday, 13 September

**Sequence, sedimentary and their control on reservoirs development of Leikoupo Formation in West Sichuan Basin**

» [Mr. Li Hongtao](#), Mr. Shi Yunqing

**Litological and stratigraphical actualization of Zechstein marginal deposits - North-Sudetic Basin, SW Poland**

» [Mr. Karol Durkowski](#), Dr. Anna Fijałkowska-Mader, Mr. Tomasz Selerowicz

**Virtual outcrop insights into stratigraphy of Chinle Fm. fluvial system, paradox basin, Utah**

» [Mr. Luka Blažič](#), Prof. John Howell

**Sedimentary facies analysis of Huagang Formation in the central part of Xihu Depression, East China Sea Shelf Basin by sequence stratigraphy and seismic sedimentology**

» [Dr. Xinyu Hou](#), Dr. Yakai Song, Mr. Hou Guowei, Ms. He Miao, Mr. Li Junjie

**The role of pedogenic calcrete in deciphering the record of relative sea-level changes in mid-Cretaceous peritidal limestones of the Apulia Carbonate Platform (Italy)**

» [Dr. Luigi Spalluto](#), Dr. Marco Petruzzelli, Prof. Luisa Sabato, Prof. Marcello Tropeano

**A new approach in chemostratigraphy – Principal Component analysis for stratigraphic correlation and reservoir architecture**

» [Dr. Nikolaos Michael](#), Dr. Neil Craigie

**Log Identification of Astronomical Cycle in Lower 3rd Member of Shahejie Formation in Dongying Sag**

» [Mrs. Ledan Yu](#)

**Seepage flow as a trigger of subaqueous slope instability and its sea-level relationships observed by physical simulation experiments**

» [Dr. Carolina Boffo](#), Dr. Daniel Bayer da Silva, Prof. Ana Luiza de Oliveira Borges, Prof. Rafael Manica, Mr. Tiago Agne de Oliveira, Dr. Marco Moraes, Dr. Paulo Paraizo, Dr. Adriano R. Viana

**Database-Driven Quantitative Analysis of the Internal Architecture of Incised-valley Fills: Implications for Sequence Stratigraphy**

» [Ms. RU WANG](#), Dr. Luca Colombera, Prof. Nigel P. Mountney

**Late Paleocene–Early Eocene evaporitic carbonate platform evolution in Western Gafsa Basin — A response to long- and short-term of global sea level change.**

» [Dr. Abdel Majid Messadi](#), Prof. Jamel Touir, Dr. Besma Merdassi, Prof. Jamel Abdennaceur Ouali

4pm

**2.B Along-strike variability in modern and ancient coastal and shelfal depositional environments**

*Museo di Arte Classica*

Chaired by: Dr. Miquel Poyatos-Moré and Dr. Ernesto Schwarz and Prof. Alessandro Amorosi and Dr. Janok Bhattacharya

**The Middle-Late Quaternary littoral deposits of Western Sicily coastal belt (southern Italy): sedimentology and geomorphology**

» [Dr. Mauro Agate](#), Prof. Andrea Moscariello, Prof. Cipriano Di Maggio, Dr. Gabriele Lena

**Facies properties and provenance of glaciofluvial sediments deposited in the Eastern Adriatic coast (Croatia)**

» [Dr. Adriano Banak](#), Prof. Borna Lužar-Oberiter, Prof. Kristina Pikelj, Dr. Anita Grizelj, Mr. Danijel Ivanišević

**Coastline evolution of the South Caspian Basin documenting repeated lake-level variations during the Early-Pleistocene**

» [Ms. Elisabeth Jorissen](#), Dr. Hemmo Abels, Dr. Frank Wesselingh, Ms. Vusala Aghayeva, Prof. Wout Krijgsman





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**Depositional infill patterns of a Neogene fold and thrust belt basin in Offshore Western Greece**

» [Dr. Efthymios Tripsanas](#), Ms. Aikaterini Stathopoulou, Mr. Abdelrahman Abdelsamad, Dr. Dimitrios Spanos, Mr. Aristotelis Pagoulatos

**Sedimentology and stratigraphy of the Eocene to Miocene fill East Pisco basin in the Ica desert (southern Peru)**

» [Prof. Claudio Nicola Di Celma](#), Prof. Elisa Malinverno, Dr. Pietro Paolo Pierantoni, Prof. Giancarlo Molli, Prof. Giovanni Sarti, Dr. Karen Gariboldi, Dr. Giulia Bosio, Prof. Anna Gioncada, Prof. Igor Villa, Dr. Alberto Collareta, Prof. Walter Landini, Prof. Giovanni Bianucci

**Architecture and preservation in the fluvial to marine transition zone of a mixed-process humid-tropical delta: Middle Miocene Lambir Formation, Baram Delta Province, Northwest Borneo**

» [Dr. Daniel Collins](#), Prof. Howard Johnson, Prof. Christopher Baldwin

**Tectonic controls on deposition: delineating geodynamic constrains of western Gondwanaland (Cambrian-Ordovician; Argentina)**

» [Dr. Romain Vaucher](#), Dr. N. Emilio Vaccari, Dr. Diego Balseiro, Dr. Diego F. Muñoz, Dr. Beatriz G. Waisfeld, Dr. Luis Buatois

**Longitudinal vs. transverse facies changes and supply-dominated sequences on a tectonics-shaped ramp (Cenomanian, SE France)**

» [Dr. Claude Colombié](#), Dr. Stéphane Reboulet, Dr. Fabienne Giraud, Prof. Deconinck Jean-Francois, Dr. Jorge E. Spangenberg

**Refining Depositional Interpretations of Fluvial to Estuarine Inclined Heterolithic Stratification Utilizing an Integrated Sedimentological and Ichnological Approach**

» [Ms. Susanne Fietz](#), Dr. James A. MacEachern

**Clinoform reconstruction for the Pilmatué Member (Neuquen Basin): implications for paleobathymetry of an interior sea**

» [Mr. Jerónimo Zuazo](#), Dr. Ernesto Schwarz, Dr. Gonzalo Veiga

**New sedimentological and petrological data on a possible Early Berriasian marine influence in the West Cameros intraplate extensional basin (North Spain)**

» [Prof. M<sup>a</sup> Eugenia Arribas](#), Prof. Jose Arribas, Prof. Ramon Mas, Prof. Laura Gonzalez-Acebron, Mr. Ivan Rodríguez-Barreiro, Mr. Artai Santos, Dr. Uxue Villanueva-Amadoz, Mr. Fidel Torcida, Prof. Bienvenido Diez

**Controls on along-strike nearshore variability from coarse-grained carbonates to mixed muds (Kimmeridgian, Iberian Basin)**

» [Dr. Beatriz Bádenas](#), Prof. Marcos Aurell, Dr. Javier Elez, Dr. Marian Fregenal-Martínez, Dr. Nieves Meléndez, Dr. Belén Muñoz-García

**River-dominated, tide-influenced shelf-edge delta systems: coarse-grained deltas straddling the Early-Middle Jurassic shelf-slope break and transforming downslope, Lajas-Los Molles formations, Neuquén Basin, Argentina**

» [Mr. Flávio Norberto de Almeida Júnior](#), Prof. Ronald Steel, Dr. Cornel Olariu, Ms. Yuqian Gan, Prof. Paulo Sergio Gomes Paim

**Sedimentary deposits in submerged areas from the Geological Map of Italy**

» [Dr. Andrea Fiorentino](#), Dr. Loredana Battaglini, Dr. Silvana D'Angelo

**South Costa Rican's Fila Costeña Cenozoic stratigraphy**

» Mr. Erick Rodríguez, [Dr. Valentin Chesnel](#)

**Analysis of depositional systems of Slope-break Belts in the North of the South China Sea**

» [Prof. Shangfeng Zhang](#), Prof. Changmin Zhang, Mr. Yaning Wang, Mr. Hesheng Shi, Mr. Yanshu Yin, Mr. Rui Zhu, Mr. Xiangyang Li, Mr. Guangming Hu

**Differential frequency packages of Tidal deposits and Shoreface deposits and their significances in reservoir quality: A study of cores from two wells GX1 and GX2.**

» [Mrs. Gloria Otosigbo](#), Mr. Emeka Nzekwe



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5pm

### 1.E 3D modelling of carbonates: techniques and applications at different scales and processes

*Museo di Arte Classica*

Chaired by: Dr. Marco Franceschi and Dr. Beatriz Bádenas and Sara Tomas and Dr. Jeroen Kenter and Dr. Laura Tomassetti

#### Integrated influence of structural position and lithofacies variation on fracture networks in tight carbonate reservoir of Amu Darya Right Bank, Turkmenistan

» [Dr. Kai Guo](#), Mr. Leyuan Fan, Ms. Yang Li

#### Stratigraphic identification and characterization for the fault-controlled karst carbonate reservoirs in Tahe Oilfield, Tarim basin, China

» [Mr. Wenbiao Zhang](#), Mr. Taizhong Duan

#### Logging Evaluation of Vertical zonation of buried hill in Cambrian Dolostone Reservoir

» [Mr. Song Wang](#), Prof. Guiwen Wang, Dr. Jin Lai, Ms. Xiaojiao Pang, Mr. Dong Li, Mr. Shichen Liu

#### Insights on the prospectivity of "lithotid" Rotzo Formation from 3D modelling and stratigraphic investigations in the Pasubio area

» [Mr. Michele Vallati](#), Dr. Marco Franceschi, Dr. Anna Breda

#### Testing long-term controls of sedimentary basin architecture in the broken foreland II

» [Mr. Michele Vallati](#), Prof. Maria Mutti, Dr. Gerd Winterleitner

#### Carst: A new carbonate stratigraphic model with integrated machine learning

» [Dr. Ion Hill](#)

#### Assessing algal reef (coralligenous) distribution and volume using geomorphometry (Apulian shelf, Italy)

» Dr. Fabio Marchese, [Dr. Valentina Alice Bracchi](#), Prof. Daniela Basso, Dr. Alessandra Savini

#### The interplay of carbonate systems and volcanics: cues from the 3D model of the Sciliar platform (Dolomites, Southern Alps)

» Dr. Marcello Caggiati, Dr. Alberto Riva, Mr. Gianluca Berrera, [Prof. Piero Gianolla](#)

#### Insight into the composition of exopolymeric substances (EPS) produced by high Mg-calcite and protodolomite-forming microbes

» [Dr. Zulfa Aldisi](#), Dr. Tomaso Bontognali, Prof. Nabil Zouari, Prof. Samir Jaoua, Prof. Hamad Al-Saad, Dr. Maria Dittrich

#### Climate control over carbonate platform growth in tectonically active basins

» [Ms. Isabella Masiero](#), Dr. Peter Burgess, Ms. Lucy Manifold, Dr. Cathy Hollis, Dr. Isabelle Lecomte, Dr. Robert Gawthorpe

#### REE+Y characteristics of shallow to deep marine carbonates in Gümüşhane (NE Turkey): Application for paleoenvironmental reconstruction

» [Dr. Merve Ozyurt](#), Dr. Cathy Hollis

#### Digital Outcrop Modeling of a carbonate platform using UAV-based photogrammetry. The case of Lastoni di Formin (Italian Dolomites).

» [Mr. Riccardo Inama](#), Dr. Niccolò Menegoni, Prof. Cesare Perotti

#### Pore Types Modeling Workflow Using Multipoint Statistic for Isolated Carbonates Build-Ups in Central Luconia Province

» [Mrs. Grisel Jiménez](#)

#### Towards an integrated approach to characterize pore connectivity in continental rift carbonates (Danakil Depression, Ethiopia)

» Dr. Max de Kruijf, Mr. Haileyesus Negga, Mr. Jean-Charles Schaegis, Mr. Valentin Rime, Dr. Mónica Sánchez-Román, Dr. John Reijmer, [Prof. Anneleen Foubert](#)

5pm

### 5.A Non-marine carbonates: from the geological record to present-day processes in continental settings

*Museo di Arte Classica*

Chaired by: Prof. Giovanna Della Porta and Prof. Enrico Capezzuoli and Prof. Mike Rogerson and Dr. Ezher Tagliasacchi



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**3D reconstruction of travertine depositional system based on hierarchical approach. A step forward in the interpretation of some Pre -salt carbonates examples?**

» [Dr. Alessandro Mancini](#), Prof. Enrico Capezzuoli, Dr. Marcelle Marques Erthal, Prof. Rudy Swennen

**The Lapis Tiburtinus travertines (Acque Albule Basin, Central Italy): base level variations vs tectonic activity. Implications at basin scale.**

» [Dr. Alessandro Mancini](#), Prof. Enrico Capezzuoli, Dr. Marcelle Marques Erthal, Mr. Fabio Scalera, Prof. Giovanna Della Porta, Prof. Rudy Swennen

**Crystal morphology and geochemistry of a banded calcite vein from a fault zone (Denizli Basin, Western Turkey).**

» [Ms. Paola Francesca Matera](#), Prof. Andrea Brogi, Dr. Sándor Kele, Prof. Enrico Capezzuoli, Prof. Domenico Liotta, Dr. Martina Zucchi, Prof. Hülya Alçiçek, Prof. Ali Bülbül, Prof. Mehmet Cihat Alçiçek

**Travertine deposits and tectonic activity interaction: constraints from Bagno Vignoni-Valdorca area (inner Northern Apennines, Italy).**

» Prof. Andrea Brogi, Prof. Domenico Liotta, [Prof. Enrico Capezzuoli](#), Ms. Paola Francesca Matera, Dr. Sándor Kele, Prof. Michele Soligo, Prof. Paola Tuccimei, Dr. Giovanni Ruggieri, Dr. Tsai-Luen Yu, Prof. Chuan-Chou Shen, Prof. Katharine W. Huntington

**The Afyon Fluvial Tufas: The depositional systems and palaeoclimatic records during Pleistocene, SW-Turkey**

» [Dr. Ezher Tagliasacchi](#), Dr. Mine Sezgül Kayseri Özer

**Mineralogy and isotopic geochemistry of high-temperature smooth slope travertine deposits: A case from the Tengchong geothermal field, China**

» [Dr. Wen Huaguo](#)

**Influence of local substrate on hydrochemistry, morphology and fabric of two different adjacent travertine geobodies; example from the Sanandaj-Sirjan Zone (W-Iran).**

» [Ms. Zahra Mohammadi](#), Prof. Enrico Capezzuoli, Dr. Hannes Claes, Prof. Rudy Swennen

**Characteristics of siliciclastic-carbonate sediments and forming mechanism of high-quality associated reservoirs in the Bozhong Sag, Bohaiwan Basin**

» [Prof. Xinong Xie](#), Dr. Maosong Ye

**Pleistocene paleohydrological changes recorded by speleothemes of the Szemlő-hegy Cave (Buda Thermal Karst, Hungary)**

» Ms. Magdolna Virág, [Prof. Andrea Mindszenty](#), Dr. Gergely Surányi, Dr. Sándor Kele, Dr. Tibor Németh, Mr. András Hegedűs, Dr. Szabolcs Leél-Össy

**When palynology meets sedimentology: the fascinating case of Quaternary terrestrial carbonates**

» [Prof. Adele Bertini](#), Prof. Enrico Capezzuoli, Dr. Marianna Ricci, Prof. Anna Gandin, Prof. Andrea Brogi

**Lithofacies and depositional setting evolution of a source-controlled carbonate succession in a lacustrine rift basin**

» [Dr. Qing Li](#)

**Constructional caves in travertine and tufa**

» [Dr. Michał Gradziński](#), Dr. Pavel Bella, Mr. Peter Holúbek

**What causes carbonates to form “shrubby” morphologies? An analog case study from a hyperalkaline leachate.**

» [Ms. Laura Bastianini](#), Prof. Mike Rogerson, Dr. Ramon Mercedes-Martín, Dr. Timothy J. Prior, Dr. Will Mayes

**Formation of magnesite by microbial degradation in ephemeral lakes: Implications for the geological record of Earth and Mars**

» [Dr. M. Esther Sanz-Montero](#), Dr. Mónica Sanchez-Roman, Dr. Oscar Cabestrero, Mr. Pablo del Buey, Dr. Juan Pablo Rodríguez-Aranda

Continued from **Friday, 13 September**

**Depositional architecture, facies character and geochemical signature of lacustrine carbonates in the Eocene Dongying Depression, Bohai bay basin, China**

» [Dr. Shengqian Liu](#), Prof. Youbin He, Prof. Zaixing Jiang

5pm

**9.B Arenite petrology for unravelling hinterland and offshore paleogeography. A tribute to Gian Gaspare Zuffa**

*Museo di Arte Classica*

**Carbonate sands in oceanic volcanic islands: examples from Cabo Verde Archipelago**

» [Prof. Jose Arribas](#), Prof. M<sup>a</sup> Eugenia Arribas, Prof. Emilia Le Pera, Dr. Consuele Morrone, Prof. M<sup>a</sup> José Huertas, Prof. Eumenio Ancochea

**Provenance imprints from Cabo Verde volcanic beach sands**

» [Prof. Emilia Le Pera](#), Dr. Consuele Morrone, Prof. Jose Arribas, Prof. M<sup>a</sup> José Huertas, Prof. Eumenio Ancochea, Prof. M<sup>a</sup> Eugenia Arribas

**Alteration and material migration of detrital zircon from sandstone-type uranium deposit in Ordos Basin, China**

» [Ms. Yuhan Sun](#), Mr. Yangquan Jiao

**Compositional and textural study of modern beach sands in the active volcanic area of Campania region (southern Italy)**

» [Dr. Consuele Morrone](#), Prof. Emilia Le Pera, Prof. Kathleen Marsaglia, Prof. Rosanna De Rosa

**Provenance indicator of igneous rocks by utilizing cathodoluminescence characteristics of plagioclase**

» [Mr. Shintaro Inoue](#), Prof. Tohru Ohta

**The drainage evolution in the Veneto Foreland during the late Miocene - Pliocene**

» [Dr. Giovanni Monegato](#), Prof. Cristina Stefani

**4D Stratigraphic Forward Modeling for New Insight into the Sedimentary Evolution in Albert Basin, Uganda**

» [Mr. Lei Fang](#), Mr. Yingchun Zhang, Mr. Wei Xu, Mr. Zunzeng Ge, Mr. Jun Liu, Ms. Jingyun Zou

**Foraminiferal-Biostratigraphy and Depositional-Environment of the Drilled Mesozoic-Succession of the Durban Basin, East Coast, South Africa**

» [Mr. Joseph Nsingi Mayala](#)

**Late Triassic continental weathering fluctuations recorded in pelagic sediments distributed in Inuyama section, central Japan**

» [Mr. Tenichi Cho](#), Prof. Tohru Ohta

**The degree of continental weathering rates during Toarcian oceanic anoxic event**

» [Ms. Arisa Nakano](#), Prof. Tohru Ohta

**Rupelian volcanoclastic source in Central Mediterranean: U-Pb detrital zircon ages from Tufiti di Tusa Formation**

» Prof. Annamaria Fornelli, [Dr. Salvatore Gallicchio](#), Dr. Antonio Langone, Dr. Francesca Micheletti

**Heavy-mineral provenance signatures during the evolution from marine to terrestrial environments in the Jaca basin (Southern Pyrenees)**

» [Mr. Xavier Coll Carrillo](#), Dr. David Gómez-Gras, Dr. Marta Roige, Dr. Salvador Boya, Dr. Antonio Teixell, Dr. Miquel Poyatos-Moré

**Fluvial sediments provenance analysis across P/T boundary at Allan Hills (Victoria Land, Antarctica) through sandstone petrography, detrital garnet composition and detrital zircon ages**

» Mr. Giovanni Pio Liberato, [Prof. Gianluca Cornamusini](#), Mr. Luca Zurli, Prof. Jusun Woo, Ms. Valentina Corti, Dr. Jae-Ryong Oh, Prof. Franco Maria Talarico

**An intense weathered Late Neogene product from SW Iberia: The "Raña" unit**

» [Prof. Jose Arribas](#), Prof. Guillermina Garzón, Prof. Rosa Tejero, Prof. Meaza Tsije



Continued from **Friday, 13 September**

**Provenance determination of detrital grains by utilizing  
cathodoluminescence spectrum of quartz**

» Mr. Yasunori Marumo, Prof. Tohru Ohta