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| T40.1 - Stratigraphic and morphologic signatures of continental shelves | <i>Date</i> Monday, 29 August 2016 | <i>Time</i> 14:00 to 15:30 |
| | <i>Chair</i> | <i>Room</i> Ballroom West |

| Times | | Paper # Title | Speaker | |
|--------------|-------|---|-------------------------|---------|
| 14:00 | 14:30 | 5636 The Gulf of Maine: A Rocky, Paraglacial Shelf | Dr. Joseph Kelley | Keynote |
| 14:30 | 14:45 | 3839 Shelf-edge sand bodies in the western Mediterranean: relict deltas reworked by modern processes | Prof. Serge Berné | |
| 14:45 | 15:00 | 3141 Bedform distribution and sediment pathways on a high-energy, mixed wave- and tide-influenced shelf, north Coast, Northern Ireland. | Professor Andrew Cooper | |
| 15:00 | 15:15 | 4527 Seismic, geochemical and sedimentological characteristics of storm deposits from the Durban continental shelf, South Africa | Ms. Shannon Dixon | |
| 15:15 | 15:30 | 1050 The Tsitsikamma coastal shelf, Agulhas Bank, South Africa: example of an isolated Holocene sediment trap | Dr. Burghard Flemming | |

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| 16:00 | 16:15 | 3620 The role of shelf morphology and antecedent setting in the preservation of submerged shoreline sequences | Prof. Andrew Green |
| 16:15 | 16:30 | 3553 Environmental and Climate Variation during the Last Glacial Cycle and its sequence stratigraphic reflection at the South China Sea's Northern Margin | Prof. Jan Harff |
| 16:30 | 16:45 | 3453 Submerged beach ridges in Mecklenburg Bay (SW Baltic Sea) indicate Late Pleistocene and Holocene shore lines | Mr. Christoph Heinrich |
| 16:45 | 17:00 | 4537 Sequence Stratigraphy of the Durban Basin, South Africa. | Mr. Nigel Hicks |
| 17:00 | 17:15 | 2130 Morphology and Stratigraphy of the Central California Shelf - Results from the California Seafloor and Coastal Mapping Program | Dr. Samuel Johnson |
| 17:15 | 17:30 | 5477 Seismic Stratigraphy of the Saldanha Bay and Langebaan Lagoon areas | Mr Vamumusa Khumalo |

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| | 4877 Morphology and recent sub-surface stratigraphy of Dove Basin, Scotia Sea: Physiographic constrains on bottom current deposition | Dr Francisco José Lobo |
| | 4865 Morphology and seismic facies of a sedimentary wedge off São Sebastião Island, São Paulo Bight, southwest Atlantic Ocean | Dr Francisco José Lobo |
| | 4523 Sea of Marmara as the Passage Way between the Black Sea and the Aegean Sea | Mr. Recai Sergin |
| | 2470 Seabed mapping of a deep-water basin; towards completing a broad-scale seabed substrate map of Ireland's offshore | Mr. Xavier Monteys |
| | 5159 Cenozoic Calcareous Nannofossil Biostratigraphy and Paleoceanography of the Izu Bonin, western Pacific Ocean | Ms. Santi Dwi Pratiwi |
| | 2038 Occurrence, characteristics and formation mechanisms of methane generated micro-pockmarks in Dunmanus Bay, SW Ireland | X Monteys |
| | 3754 The marine geology of the 1 nautical mile exclusive zone around Robben Island, South Africa | Mr. Michael Machutchon |
| | 2048 Characterization of Holocene NE Atlantic climatic variations using the cold-water coral <i>Lophelia pertusa</i> | Mr xavier Monteys |

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| 08:00 | 08:15 | 3554 Depositional and erosional processes during the early postglacial phases in the Gulf of Cádiz shelf | Dr. Francisco José Lobo |
| 08:15 | 08:30 | 1393 Outer shelf dynamics in a sediment-undersupplied margin: The Malta Plateau, central Mediterranean Sea | Dr. Aaron Micallef |
| 08:30 | 08:45 | 4381 Present-day breakdown of a submerged shoreline and implications for the development of wave ravinement surfaces | Ms. Lauren Pretorius |
| 08:45 | 09:00 | 2605 Coastal systems in Japan | Dr. Yoshiki Saito |
| 09:00 | 09:15 | 1263 Global compilation of marine varve records | Dr. Arndt Schimmelmann |
| 09:15 | 09:30 | 1246 Holocene development and sedimentological characteristics of the Andaman Sea inner shelf offshore Phang Nga province (Thailand) | Dr. Klaus Schwarzer |
| 09:30 | 09:45 | 5173 Geomorphology of a tropical shelf: Rio Grande do Norte East Sector, NE Brazil | Prof. Helenice Vital |
| 09:45 | 10:00 | 2611 Control of Quaternary sea level changes on fluid flow and shallow gas reservoirs in the Levant margin | Dr. Nicolas Waldmann |

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| 10:30 | 10:45 | 5176 Inshore gas limit and shallow stratigraphy of the Orange River mud belt | Dr. Errol Wiles |
| 10:45 | 11:00 | 3140 Geological built-up and sediment distribution of Amrum Bank (North Sea) | Ms. Kerstin Wittbrodt |
| 11:00 | 11:15 | 5461 Terrestrial Quaternary sediments preserved on the South African shelf shed light on the glacial palaeoenvironment | Dr. Hayley Cawthra |
| 11:15 | 11:30 | 2385 Development of the northeastern shelf margin of the South China Sea since the Late Miocene: sequence architecture, depositional evolution and sea-level changes | Ms. Jing Jiang |
| 11:30 | 11:45 | 3310 Seismic-stratigraphic approach to Late Pleistocene/Holocene evolution of Lagoa dos Patos, Southern Brazil | Mr. Eduardo Bortolin |

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| 14:00 | 14:30 | 2051 International Ocean Discovery Program (IODP): The Latest Incarnation of Almost Five Decades of Scientific Ocean Drilling Excellence | Dr. James Austin | Keynote |
| 14:30 | 14:45 | 4436 D/V Chikyu IODP scientific ocean drilling achievements and the beyond | Dr. Shin'ichi Kuramoto | |
| 14:45 | 15:00 | 1536 European Consortium for Ocean Research Drilling (ECORD) in the International Ocean Discovery Program (IODP) : new opportunities in scientific drilling | Dr. Gilbert CAMOIN | |
| 15:00 | 15:15 | 3332 ECORD Mission-Specific Platform Expeditions in the International Ocean Discovery Program | Miss Carol Cotterill | |

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| 16:00 | 16:15 | 898 A quarter-century of geophysical results from ODP/IODP CORK observatories | Dr. Keir Becker |
| 16:15 | 16:30 | 5137 Antarctica's Cenozoic Ice and Climate History: New Science and New Challenges of Drilling in Antarctic Waters | Dr. Trevor Williams |
| 16:30 | 16:45 | 1881 Oceanographic and climate changes during the Mid Pleistocene uncovered from Bering Sea and Pacific Ocean sediment cores | Dr. Sev Kender |
| 16:45 | 17:00 | 3183 Holocene sedimentation in the Ångermanälven River estuary, the Baltic Sea – IODP Site M0062 | Prof. Aarno Kotilainen |
| 17:00 | 17:15 | 819 Miocene to Recent Oceanographic and Climatic Histories from the Australian Northwest Shelf: Results from IODP Expedition 356 | Dr. Craig Fulthorpe |
| 17:15 | 17:30 | 3648 Evolution of the Gulf of Cadiz Margin and southwest Portugal from IODP Expedition 339 results | Dr. F. Javier Hernández-Molina |

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| | 3758 Middle Miocene sedimentary shift in the Scotia Sea (Southern Ocean): global tectonic and oceanographic implications | Dr. F. Javier Hernández-Molina |
| | 3655 High resolution mapping of offshore morphosedimentary features in the northwestern Iberian continental margin and abyssal plains | Dr. F. Javier Hernández-Molina |
| | 3563 Contourite depositional and erosional features along the Uruguayan continental margin | Dr. F. Javier Hernández-Molina |
| | 4480 Variations of surface and bottom currents in eastern part of the Charlie-Gibbs Fracture Zone during the Late Quaternary | Evgenia Dorokhova |
| | 5350 Source and transportations of organic matters around the Korean peninsula: isotope investigation and land-ocean linkages | Dr. Sangmin Hyun |
| | 4575 Deglacial dynamics of Scandinavian Ice Sheet (SIS) and changes in atmospheric ocean circulation in North Atlantic region | Dr. Outi Hyttinen |
| | 3542 Contouritic drifts in the Mozambique Channel since the Cretaceous: Paleooceanographic Implications | Dr. F. Javier Hernández-Molina |
| | 2026 Stable isotopes from Miocene to Pliocene planktonic and benthic foraminifera: preliminary results from IODP Expedition 354 (Bengal Fan) | Dr. Kara Bogus |

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| 08:00 | 08:15 | 655 Drilling the Agulhas Plateau and Transkei Basin to reconstruct the Cretaceous - Paleocene Tectonic and Climatic evolution of the Southern Ocean Basin | Dr. Gabriele Uenzelmann-Neben |
| 08:15 | 08:30 | 353 Sedimentary Record and Environmental Implications since the Late Pliocene from the Core CSDP-1 in South Yellow Sea | Prof. Xunhua Zhang |
| 08:30 | 08:45 | 3720 A Late Cretaceous mixed-drift system on the Uruguayan Margin: sedimentary and paleoceanographic significance | Adam Creaser |
| 08:45 | 09:00 | 2128 Decoupled Southern and Northern Hemisphere processes controlled by the Maritime continent: insights from a continuous Pliocene NW Australian shelf borehole (and decades of previous Ocean Drilling) | Dr. Beth Christensen |
| 09:00 | 09:15 | 4058 Sediment input and bottom water trophic level in the East China Sea, in response to glacial/interglacial sea level change and monsoon rainfall intensity. Insights from benthic microcrustaceans (ostracods) and foraminifera at Site U1429 (IODP Expedition 346) | Dr. Maria Angela Bassetti |
| 09:15 | 09:30 | 325 Fluid origins, cycling, fluxes, and thermal regimes in subduction zone forearcs | Dr. Miriam Kastner |
| 09:30 | 09:45 | 2001 Drilling to the Crust-Mantle Boundary: SloMo Project, Phase 1 | Dr. Henry Dick |
| 09:45 | 10:00 | 1710 Lord Howe Rise deep stratigraphic drilling: tectonics, climate and ancient life | Prof. Kliti Grice |

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| 10:30 | 11:00 | 346 Transition from the Cretaceous ocean to Cenozoic circulation in the western South Atlantic - a twofold reconstruction | Dr. Gabriele Uenzelmann-Neben | Keynote |
| 11:00 | 11:15 | 1316 Zambezi continental margin: allocyclic and antecedent controls on sediment transport in the Mozambique Channel | Dr. Errol Wiles | |
| 11:15 | 11:30 | 347 Evolution of the northern Argentine margin during the Cenozoic controlled by bottom current dynamics and gravitational processes | Dr. Gabriele Uenzelmann-Neben | |
| 11:30 | 11:45 | 1702 Early history of Mediterranean-Atlantic exchange – new insights from IODP Expedition 339 | Prof. Werner E. Piller | |
| 11:45 | 12:00 | 4939 Between-hole correlation of sandy and silty contourite beds, Expedition 339, Gulf of Cadiz | Dr. Roger Flood | |

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| 14:00 | 14:15 | 3694 Evidence for Late Miocene Mediterranean overflow from bottom current deposits within the Rifian Corridor (Morocco) | Dr. F. Javier Hernández-Molina |
| 14:15 | 14:30 | 3101 Origin of morphological depressions in the Guadalquivir Bank area (Gulf of Cadiz middle slope) | Dr. Marga Garcia |
| 14:30 | 14:45 | 401 Cold-water coral mounds and contourite drifts: two chapters of the palaeoceanographic log-book? | Prof. David Van Rooij |
| 14:45 | 15:00 | 3507 Large bedforms on contourite terraces: conceptual consequences | Dr. F. Javier Hernández-Molina |
| 15:00 | 15:15 | 519 Small-scale contourite deposits in the El Arraiche area, southern Gulf of Cadiz | Mr. Thomas Vandorpe |
| 15:15 | 15:30 | 2287 Inferred short-period internal-wave deposits in geological records from cross laminations in deep-water environment | Prof. Xiangdong Li |

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| 16:00 | 16:15 | 342 Contourite drifts as indicators of Cenozoic bottom water intensity in the eastern Agulhas Ridge area, South Atlantic | Dr. Gabriele Uenzelmann-Neben |
| 16:15 | 16:30 | 5418 Discrepancies under Water: Marine Geological Information and Semantic Harmonisation for the EMODnet II Project | Dr. Kristine Asch |
| 16:30 | 16:45 | 3560 Visiting the Shaka Ridge - a part of the Bouvet hotspot trail | Mr. Harald Brekke |
| 16:45 | 17:00 | 1622 Mapping marine minerals in Europe | Ms. Maria Judge |

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| | 3103 The Scan Basin contourite fan, southern Scotia Sea (Antarctica). High-resolution seismic stratigraphy and oceanographic implications | Dr. Marga Garcia |
| | 3089 Study of a Rebuilt Deep Water Reservoir in Qiongdongnan Basin, South China Sea | Mr. Lulu Cai Mr. Chuncheng Liu |
| | 2080 Morphology of small-scale contouritic depositional systems associated to topographic heights at the Galician margin (NW-Spain) | Mrs. Julia Haberkern |
| | 5459 An onshore-offshore record of sedimentation and shoreline shift through two glacial-interglacial cycles | Dr. Hayley Cawthra |
| | 3063 Paleoenvironmental change during the late Holocene in the southeastern Yellow Sea, Korea | Prof. Hyen Goo Cho |
| | 5463 Late Quaternary shell concentrations on the continental shelf of southern Korea: bioclastic fabrics and paleoenvironments | Dr. Tae Soo Chang |
| | 1652 Interaction between intermediate/deep-water masses and the sedimentation in a mid-slope canyon (off Argentina/Uruguay, 38°S) during the last 25 kyr | Ms. Grit Warratz |

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| 08:00 | 08:15 | 3170 Seabed substrate and sedimentation rate data from Europe's Seas, EMODnet Geology | Anu M. Kaskela |
| 08:15 | 08:30 | 1921 Mapping tectonics: a key element in submarine geological events and probabilities assessment | Dr. Filomena Loreto |
| 08:30 | 08:45 | 5288 Introducing INFOMAR, Irelands national seabed mapping programme | Mr Koen Verbruggen |
| 08:45 | 09:00 | 2083 Offshore geological mapping from high resolution datasets – a “new” way to investigate the evolution of the anglo-parisian basin. | Dr. Fabien Paquet |
| 09:00 | 09:15 | 1986 Map of submerged volcanic structures in Italy | Dr. Alessandra Pensa |
| 09:15 | 09:30 | 1560 Seabed environments of the remote southeastern Indian Ocean in the search area for Malaysian Airlines flight MH370 – remnants of Gondwana, mass wasting, spreading ridges and volcanoes | Ms. Kim Picard |
| 09:30 | 09:45 | 2020 The importance of Marine Spatial Planning and high resolution mapping for deep-water areas: A case study from the southwest of Ireland's Exclusive Economic Zone | Dr. Gill Scott |
| 09:45 | 10:00 | 4640 Mapping the seafloor of the UK, Europe and the North Atlantic Ocean: Sharing Information to Deliver New Marine Geological Products. | Mr. Alan Stevenson |

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| 10:30 | 10:45 | 759 The Mozambique Ridge: a product of long lasting magmatic activity | Dr. Gabriele Uenzelmann-Neben |
| 10:45 | 11:00 | 452 Agglutinated Foraminifer Community within Central Andaman Trough of Andaman Sea: An approach to understand the effect of spreading axis channel way on fauna | Mr. Danish Anwar |
| 11:00 | 11:15 | 472 Provenance and paleoenvironmental events inferred from the geochemical records of Quaternary marine sediments from South Andaman Sea | Dr. Mohan Nagasundaram |
| 11:15 | 11:30 | 474 Quaternary Planktonic Foraminifer Biostratigraphy and Biochronology of a Deep Sea Core from South Andaman Sea | Mr. Mritunjay Chaturvedi |
| 11:30 | 11:45 | 475 "Variations in the abundance of Micro-fauna during the late Pleistocene and Holocene: Andaman Sea" | Mr. Rajesh Kumar Joshi |
| 11:45 | 12:00 | 1539 Reconstructing Mid- to Late Holocene sea-level changes from coral microatolls, French Polynesia | Dr. Nadine Hallmann |

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| 14:00 | 14:15 | 4608 | Cold seep benthic foraminiferal assemblages as indicator to methane venting events in the northern South China Sea | Dr. Xin Su |

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| | 520 Buried cold-water coral mounds in the Atlantic Moroccan Coral Province | Mr. Thomas Vandorpe |
| | 869 Subaqueous landscapes – discovering the invisible using a multibeam echosounder (examples from the Southern Baltic) | Dr. Kazimierz Szeffler |
| | 1398 Unconformities aid the stratigraphic division of strata in a formerly glaciated semi-enclosed basin: the Baltic Sea prototype | Dr. Joonas Virtasalo |
| | 3894 The Late Quaternary evolution of the southern Brazilian coast: insights from seismic stratigraphy and diatom records | Dr. Jair Weschenfelder |
| | 1100 Holocene paleoclimate change in the Nakdong River delta (southeastern Korea) and role of Tsushima Warm Current | Dr. Boo-Keun Khim |
| | 4620 The South-Eastern Baltic Sea floor mapping | Mr. Dmitriy Dorokhov |
| | 4416 About geomagnetic field over the Ninetyeast Ridge, Indian Ocean | Dr. Oleg Levchenko |
| | 1119 Sediment provenance on the northwestern shelf of South China Sea and the sedimentary model for heavy-mineral placers | Prof. Wen Yan |
| | 5109 Bioavailable Fe Distribution in the Southern Atlantic Ocean on Glacial-Interglacial Timescales | Mrs. Bridget Lee |
| | 3169 Marine geological data as a basis for sustainable growth, an example from the Gulf of Bothnia, Finland | Anu M. Kaskela |

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| | 1227 3-D magnetic modeling of the Ionian Sea deep-sea crust: Evidence for the oldest in-situ ocean fragment of the world | Dr. Fabio Speranza |
| | 3182 Trajectory variation and depositional architecture of the deltaic systems of the Late Oligocene to Quaternary and their response to the tectonic and sea level change, Pear River Mouth Basin, northern South China Sea | Dr. Changsong Lin |
| | 5120 Elemental abundances and paleoclimate implications: preliminary results from XRF core scanning of IODP Expedition 356 Site U1463 | Mr. Evan O'Brien |
| | 329 Influence of Near Shore Structures on the Coastal Processes of West Coast of India | Mrs. Mamatha P.K. |