

Posters will be present during the hole conference

| No. | Session | Presenter Last Name | Presenter First Name | All Authors | Abstract Title |
|--------------|------------------|---------------------|----------------------|---|--|
| M-T-1 | H | Stuewe | Kurt | Kurt Stüwe | The Wegener Memorial Expedition to the greenland Caledonides |
| M-T-2 | H | Jacoby | Wolfgang | Wolfgang Jacoby | Wegener's learning about the mechanism of continental drift |
| M-T-3 | Regional Geology | Menning | Manfred | Manfred Menning | Die Stratigraphische Tabelle von Deutschland 2015 |
| M-T-4 | Regional Geology | Schroeder | Johannes H. | Johannes H. Schroeder | Stones in Towns and Cities – Public Geo-Education |
| M-T-5 | Regional Geology | Schroeder | Johannes H. | Johannes H. Schroeder | Field guides "Geology in Berlin and Brandenburg" |
| M-T-6 | Regional Geology | Stackebrandt | Werner | Werner Stackebrandt, Dietrich Franke | Newly published: The Geology of Brandenburg |

Poster Social on Monday!

| No. | Session | Presenter Last Name | All Authors | Abstract Title |
|---------------|----------|---------------------|--|---|
| Mon-1 | A1-01 | Bordbar | Zari Bordbar, Hadi Hoseini, Mohammad Reza Hatami | Earthquakes Depth Accuracy of the Zagros Continental Collision Zone using Nonlinear Probabilistic Method |
| Mon-2 | A1-01 | Sobiesiak | Monika Sobiesiak, Theresa Schaller, Benjamin Gutknecht, Hans-Jürgen Götze | Can batholithic structures influence the seismogenic behavior of the North Chile Seismic Gap? |
| Mon-3 | A1-01 | Tilman | Frederik Tilmann, Bernd Schurr, Günter Asch, Ben Heit, Torsten Dahm, Patricio Raul Arias Ortiz, Dietrich Lange, Ingo Grevemeyer, Marcos Moreno, Jonathan Bedford | Observing the Iquique aftershock sequence: the HART deployment |
| Mon-4 | A1-02 | Koepke | A.M. Currin, P.E. Wolff, <u>J. Koepke</u> , R. Almeev, B. Ildefonse | Amphiboles extremely enriched in chlorine as evidence for interaction between rock and saline fluid |
| Mon-5 | A1-02 | Dietrich | Marcel Dietrich, Harald Behrens, Christian Schmidt, Max Wilke | In situ determination of sulfur speciation in fluids at high P-T and controlled redox conditions |
| Mon-6 | A1-02 | Schmidt | Christian Schmidt, Terry M. Seward | Raman spectroscopic determination of sulfur species concentrations in aqueous solutions |
| Mon-7 | A1-02 | Walter | Marius J. Walter, Javier Quinteros, and Stephan V. Sobolev | Numerical modeling of fluid migration in subduction zones |
| Mon-8 | A1-02 | Korolevski | Walja Korolevski, Oliver Ritter, Ute Weckmann, Anatoly Rybin, Vitali Matiukov | Crustal structure of the Southern Pamir - insights from the TIPTIMON magnetotelluric experiment |
| Mon-9 | A1-05 | Tichomirowa | Marion Tichomirowa | Zircon dating compared by different methods (SHRIMP/SIM, evaporation, high-precision CA-ID-TIMS) - how accurate and precise can we date zircons? |
| Mon-10 | A1-05 | Halama | Ralf Halama, Johannes Glodny, Matthias Konrad-Schmolke, Masafumi Sudo | Episodic re-crystallization during subduction-related metamorphism (Sesia Zone, Western Alps) |
| Mon-11 | A1-05 | Zertani | Sascha Zertani, Jörg Giese, Mark Handy | Kinematics and low-temperature thermochronology of the Skutari-Pec-Fault in northern Albania: a combined structural and apatite fission-track study |
| Mon-12 | A2-01/05 | Wollin | Christopher Wollin, Ludger Küperkoch, Marco Bohnhoff | Kinematics of the Marmara segment of the North Anatolian Fault Zone from fault-plane solutions derived from a refined high precision hypocenter catalogue (2007-2010) |
| Mon-13 | A2-01/05 | Najdahmadi | Bitan Najdahmadi, Marco Bohnhoff, Fatih Bulut, Zachary E. Ross, Yehuda Ben-Zion | Systematic imaging of bimaterial interfaces at the Karadere-Düzce segment of the North Anatolian Fault Zone, Turkey |
| Mon-14 | A2-01/05 | Gürer | Derya Gürer, Douwe van Hinsbergen, Liviu Matenco, Fernando Corfu, Murat Özkaptan, Cor Langereis, Nuretdin Kaymakçı | Subduction zone configuration of Central and Eastern Anatolia since the late Cretaceous reconstructed from sedimentary basins in the Neotethyan suture zone |
| Mon-15 | A2-01/05 | Bohnhoff | Christina Raub, Stefano Parolai, Peter Malin, <u>Marco Bohnhoff</u> | Analysis of near-surface properties using waveform recordings from the GONAF-Tuzla vertical array, SE Istanbul |

Poster Social on Monday!

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|---------------|----------|-----------------|--|---|
| Mon-16 | A2-01/05 | Martínez-Garzón | Patricia Martínez-Garzón, Marco Bohnhoff, Yehuda Ben-Zion, Georg Dresen | Scaling of maximum observed magnitudes with geometrical and stress properties of strike-slip faults |
| Mon-17 | A2-01/05 | Hampel | Andrea Hampel, Ralf Hetzel | Three-dimensional finite-element modelling of horizontal surface velocity and strain patterns near thrust and normal faults during the earthquake cycle: implications for interpreting geological and geodetic data |
| Mon-18 | A2-01/05 | Chertova | M.V.Chertova, W.Spakman, A.P. van den Berg, D.J.J. van Hinsbergen | Rheological and kinematic control on the subduction evolution of the western Mediterranean region. |
| Mon-19 | A2-01/05 | Müller | Austin M. Gion, Simon E. Williams, R. Dietmar Müller | The Wegener Fault revisited: Building a deforming plate model for the Eureka Orogeny |
| Mon-20 | A2-01/05 | Brune | Sascha Brune, Nathaniel Butterworth, Simon Williams, Dietmar Müller | Oblique Rifting during Pangea Dispersal: The Rule, not the Exception |
| Mon-21 | A2-01/05 | Wichura | Henry Wichura, Javier Quinteros, Daniel Melnick, Sascha Brune, Wolfgang Schwanghart, and Manfred R. Strecker | Evolution of the Lake Victoria basin in the context of coeval rift initiation in East Africa: a 3D numerical model approach |
| Mon-22 | A2-01/05 | Jähne-Klingberg | Fabian Jähne-Klingberg, Frithjof Bense, Jonas Kley | “Geological elevators”? – the example of a Muschelkalk block surrounded by Zechstein next to the Sontra Graben (NE Hesse) |
| Mon-23 | A2-01/05 | Ouided | Laziz Ouided, Boularak Moussa, Benabbas Chaouki | Quaternary tectonics, regional structure and of reverse fault N100° of Djebel Kellal mount, Constantine area (north-east of Algeria) |
| Mon-24 | A2-01/05 | Hawemann | Friedrich Hawemann, Neil Mancktelow, Sebastian Wex, Alfredo Camacho, Giorgio Pennacchioni | Intracontinental earthquakes – from 550 Ma to present day in the Musgrave Ranges of Central Australia |
| Mon-25 | A2-02 | Emmel | Friederike U. Bauer, Joachim Jacobs, Benjamin Emmel, Finlay M. Stuart, Matthijs C. van Soest | Tracing the evolution of an orogen passive margin system by apatite and titanite (U-Th)/He data |
| Mon-26 | A2-02 | Bousquet | Romain Bousquet, Thierry Nalpas, Ronny Lompa; Roman Chelalou, Abdeltif Lahfid | Consequences of HT metamorphism during sedimentary basins formation |
| Mon-27 | A2-02 | Bredow | Eva Bredow, Rene Gassmöller, Bernhard Steinberger, Juliane Dannberg, Trond Torsvik | Models and observations of plume-ridge interaction in the South Atlantic and their implications for crustal thickness variations |
| Mon-28 | A2-02 | Dressel | Ingo Dressel, Magdalena Scheck-Wenderoth, Mauro Cacace, Hans-Jürgen Götze, Dieter Franke, Hans-Peter Bunge | Subsidence history of the South Atlantic passive margins |
| Mon-29 | A2-02 | Kollenz | S. Kollenz, U. A. Glasmacher, S. Pfister, E. A. Rossello, C. Gaucher, T. Will | Thermokinematic evolution of the passive continental margin in NE-Argentina and SE-Uruguay, constrained by fission-track ages and (U-Th-Sm)/He ages and 2D-modelling |
| Mon-30 | A2-02 | Kukla | F. Strozzyk, P. Kukla, S. Back | Regional comparison of the syn- and post-rift tectono-stratigraphic evolution of megasequences in salt and salt-free basins offshore Brazil and Africa, South Atlantic |
| Mon-31 | A2-02 | Spiegel | F. Lisker, J.D. Prenzel, M.L. Balestrieri, A. Läufer, <u>C. Spiegel</u> | Exhumation and uplift of the Terra Nova Bay segment of the Transantarctic Mountains |

Poster Social on Monday!

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|---------------|-------|----------------|---|---|
| Mon-32 | A2-02 | Spiegel | C. Spiegel, W. Reiter, F. Lisker, V. Damm | Evolution of northwest Greenland margin along Baffin Bay |
| Mon-33 | A2-02 | Wildman | M. Wildman, R. Brown, C. Persano, R. Beucher, F. Stuart | Patterns and timing of post-rift denudation across the southwest African continental margin and interior plateau as revealed by apatite fission track and (U-Th-Sm)/He thermochronology |
| Mon-34 | A3-01 | Fischer-Gödde | Mario Fischer-Gödde, Thomas Kruijer, Thorsten Kleine, John Wasson | Isotopic Evidence for the Origin of IIE Iron Meteorites |
| Mon-35 | A3-01 | Münker | C. Münker, B. M. Elfers, T. Schulz, D. Garbe-Schönberg | The Hf-W age of Mars revisited |
| Mon-36 | A3-01 | Kruijer | T.S. Kruijer, T. Kleine, L.E. Borg, M. Fischer-Gödde, G. Brennecka, A.J. Irving, A. Bischoff, C.B. Agee | Coupled 182W–142Nd constraints on the early differentiation history of Mars |
| Mon-37 | A3-01 | Li | Chunhui Li, Harry Becker, Igor S. Puchtel, Zaicong Wang, Elis J. Hoffmann | Sluggish homogenization of the late accreted materials in the Earth's mantle: Constraints from S, Se, Te, Ag and Cu in Archean komatiites |
| Mon-38 | A3-01 | Linsler | Stefan Andreas Linsler, Olivier Namur, Moritz Albrecht, Bernard Charlier, Francois Holtz, Catherine McCammon | Metal-silicate trace element partitioning at reducing conditions: Implications for Mercury's differentiation |
| Mon-39 | A3-01 | Neumann | Wladimir Neumann, Doris Breuer, Tilman Spohn | The Diversity Of Asteroid Differentiation As Derived From Numerical Studies |
| Mon-40 | A3-02 | Hasch | Maximilian Hasch, Patrice Tristan Zaag, Ulli Raschke, Wolf Uwe Reimold | Shatter cones of the Keurusselkä impact structure, Finland |
| Mon-41 | A3-02 | Sturm | T. Krüger, T. Kenkmann, <u>S. Sturm</u> | Structural Uplift and Ejecta Thickness of Layered Lunar Mare Craters: New Insights into the Formation of Complex Crater Rims |
| Mon-42 | A3-02 | Luther | R. Luther, A. Lukashin, N. Artemieva, V. Shuvalov, K. Wünnemann | SNOW FUNNEL CREATION DUE TO CHELYABINSK METEORITE FRAGMENTS |
| Mon-43 | A3-02 | Matysiak | Agnes Matysiak, Rebecca Winkler, Thomas Kenkmann | The Gardnos Impact Structure, Norway: Analysis of the autochthonous lithic Gardnos Breccia |
| Mon-44 | A3-02 | Mohr-Westheide | Tanja Mohr-Westheide, Wolf Uwe Reimold, Desirée Hoehnel, Jörg Fritz, Ralf Thomas Schmitt, Tobias Salge, Ansgar Greshake, Axel Hofmann, Seda Oezdemir, Christian Koeberl | PGE signature of Archean spherule layers in the Barberton Greenstone Belt, South Africa |
| Mon-45 | A3-02 | Hoffmann | <u>Marie Hoffmann</u> , Stefanie Fischer, Johann Preuß, Wolf Uwe Reimold, Natalia Hauser, Alvaro Penteadó Crósta, Ralf Thomas Schmitt, Uwe Altenberger, Lutz Hecht, Mariana Velzic Marivieiro | Investigating the genesis of impact-generated melt rocks of Araguainha, Brazil |
| Mon-46 | A3-02 | Schmitt | Ralf T. Schmitt | The Impactite collection at Museum für Naturkunde Berlin |

Poster Social on Monday!

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| Mon-47 | A3-02 | Wilk | Jakob Wilk, Anna Losiak, Michael Zanetti, Eva Maria Wild, Argo Joeleht, Rudolf Välja, Tomek Wisniowski, Matthew Huber, Kristiina Pavel, Aivar Kriiska, Antero Kukko, Harri Kaartinen, Jüri Plado, Wolf Dietrich Geppert | New insights into the Kaali meteorite crater - an update based on the development in crater research from Wegner to today |
| Mon-48 | A3-02 | Winkler | Rebecca Winkler, Elmar Buhl | Deformation band analysis at the Upheaval Dome impact crater |
| Mon-49 | A3-02 | Zaag | Patrice Tristan Zaag, Wolf Uwe Reimold, Kai-Uwe Hess, Kate Dobson | SHOCK MICRODEFORMATION IN A SHATTER CONE FROM SERRA DA CANGALHA, BRAZIL |
| Mon-50 | A5-01 | Brocke | Rainer Brocke, Robert Bussert, Dawit Lebenie | First discovery of Early Palaeozoic post-glacial (post-Hirnantian/latest Ordovician-early Silurian) mudstones and cryptospores in northern Ethiopia |
| Mon-51 | A5-01 | Darvishi Khatooni | Javad Darvishi khatuoni, Razyeh lak, Ali Mohammadi, Alireza salehipuor Milani | Verification of the important factors that causes of rapid falling of Urmia Lake water table (Northwestern of Iran) |
| Mon-52 | A5-01 | Darvishi Khatooni | Zahra Zandinasab, Javad Darvishi Khatooni, Behruz Rafiei | Sedimentology and Sea level changes of the offshore deposits South of Caspian Sea(Noshahr-Tonekabon) |
| Mon-53 | A5-01 | Sadr | Fatemeh Dabaghi Sadr, Gerhard Schmiedl, Christian Betzler, Mohammad Parandavar | Biostratigraphy and Lithostratigraphy of the Qom Formation in the Navab Anticline section, southeast of Kashan area, Iran |
| Mon-54 | A5-02 | Martha | Silviu O. Martha, Andrej Ernst, Joachim Scholz | Plate tectonic and bryozoans: Biological response during times of extreme environmental changes (Devonian and Upper Cretaceous) |
| Mon-55 | A5-02 | Oeser | Ralf Oeser, Michael Tatzel, Gerhard Franz, Jan A. Schuessler, Friedhelm von Blanckenburg | Genesis of chert nodules in Ediacaran black shales: implications from micro scale Si isotope analyses using fs-laser ablation MC-ICP-MS |
| Mon-56 | A5-02 | Sun | Xiaojuan Sun, Christoph Heubeck | Facies analysis of lowermost Cambrian carbonate platform in East Yunnan, South China: An implication of the importance of depositional hiatus |
| Mon-57 | A6-01 | Hampel | Andrea Hampel, Ralf Hetzel | Numerical modelling of wind gap formation in fault-bounded mountain ranges |
| Mon-58 | A6-01 | Lange | Thomas Lange, Georg Büchel, Thomas Jahr | A valley over the course of time: Detailed geomagnetic mapping of two lava flows as base for a morphological reconstruction of the Alf valley, Quaternary Westeifel Volcanic Field (Germany) |
| Mon-59 | A6-01 | Sobczyk | Artur Sobczyk, Edward Sobel | Apatite fission-track dating reveals post-Variscan history of the Orlica-Śnieżnik Dome, Eastern Sudetes Mts. (Bohemian Massif, SW Poland) |
| Mon-60 | A6-01 | Wang | Wei Wang, Vincent Godard, Jing Liu-Zeng, Dirk Scherler, Chong Xu, Qiang Xu, Kejia Xie, Olivier Bellier, Didier Bourles, Claire Ansberque | River-sand ¹⁰ Be Concentration after 2008 Wenchuan Earthquake: Tracing the Transportation of Landslide Debris |
| Mon-61 | A6-01 | Zhang | Jinyu Zhang, Jing Liu-Zeng, Dirk Scherler, Maoyun Tang, Zhanfei Li, and Ning Zhong | Late Quaternary incision rates of the Lancang River (Upper Mekong) in southeastern Tibet |

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|---------------|-------|-------------|---|---|
| Mon-62 | A6-02 | Brüsch | Dennis Brüsch, Jens Hornung, Rainer Petschick, Olaf Lenz, Sandra Schneider, Matthias Hinderer | Upper Miocene to Pleistocene sedimentary record and its paleo- environmental implications in the Kaiso-Tonya area (northern Albert Rift): A multi-proxy approach |
| Mon-63 | A6-02 | May | Frank Preusser, Heinz Veit | Geomorphic and chronological constraints on the mid- to late Holocene evolution of the Río Grande megafan (Bolivia) |
| Mon-64 | A6-02 | Spiegel | Wolfgang Reiter, Simon Elfert, Christoph Glotzbach, <u>Cornelia Spiegel</u> | Plio-Pleistocene evolution of the north Alpine drainage system: constraints from detrital thermochronology of foreland deposits |
| Mon-65 | A6-02 | Stalder | Nadja Franziska Stalder, Maria Giuditta Fellin, Wilfried Winkler | Provenance Analysis of the Laga Formation (Messinian, Central Apennines) |
| Mon-66 | A6-05 | Kenzler | M. Kenzler, S. Tsukamoto, S. Meng, M. Frechen, H. Hueneke | The Weichselian deposits of the Jasmund peninsula (German Baltic Sea coast) – Chronostratigraphical reassessment based on luminescence dating |
| Mon-67 | A6-05 | Kirsten | Kelly L. Kirsten, Torsten Haberzettl, Michael Wündsche, Lynne J. Quick, Michael E. Meadows, Roland Mäusbacher, Matthias Zabel | Evidence of environmental variability along the southern Cape coast, South Africa, during the Holocene |
| Mon-68 | A6-05 | Mangelsdorf | Janina G. Stapel, <u>Kai Mangelsdorf</u> , Brian Horsfield, Dirk Wagner | Microbial lipid distributions and substrate potential of the organic matter in Siberian permafrost deposits: Impact on climate evolution |
| Mon-69 | A6-05 | Struck | Martin Struck, John D. Jansen, Alexandru T. Codilean, Toshiyuki Fujioka, David Fink, Steven Kotevski | Quantifying sediment transport time and burial duration in central Australian low-gradient landscapes using ¹⁰ Be and ²⁶ Al |
| Mon-70 | A6-05 | Teschner | Claudia Teschner, Martin Frank, Brian A. Haley | Atlantic inflow and the erosional input into the Nordic Seas during the late Plio- and Pleistocene |
| Mon-71 | A7-01 | Schmidt | Gerhard Schmidt, Hans-Michael Seitz, Natalie Gaspers, Sami Al-Najem, Margot Isenbeck-Schröter, Florian Freundt, Werner Aeschbach-Hertig, Michael Kraml | Extremely low ⁶⁷Li values in shallow groundwater and springs at the western main fault of the northern Upper Rhine Graben: fingerprints of their geogenic or anthropogenic sources? |
| Mon-72 | A7-02 | Wagner | Daniela Künzel, <u>Johannes Wagner</u> , Sandro Jahn | First-principles prediction of Ni partitioning between silicate and metal melts |
| Mon-73 | A7-02 | Di Genova | Danilo Di Genova, Daniele Morgavi, Kai-Uwe Hess, Daniel R. Neuville, Diego Perugini, Donald B. Dingwell | A Raman model for determining the chemical composition of silicate glasses |
| Mon-74 | A7-02 | Hess | Christoph Helo, <u>Kai-Uwe Hess</u> , Jon Castro, Donald B. Dingwell | Water-speciation in silicate glass from partial Raman spectra |
| Mon-75 | A7-02 | Dobson | Katherine Joanna Dobson, Donald Bruce Dingwell, Kai-Uwe Hess | Going down the tubes: complex kinematic indicators in tube pumices revealed by X-ray tomography |
| Mon-76 | A7-02 | Dobson | Ilya Veksler, <u>Katherine Joanna Dobson</u> , Kai Uwe-Hess | Quantifying melting and mobilisation of interstitial melts in crystal mushes |
| Mon-77 | A7-02 | Aßbichler | Donjá Aßbichler, Dirk Müller, †Karl Thomas Fehr, Soraya Heuss-Aßbichler | Sanidinites – an example for solvothermal transport of Zr in volcanic systems and its relevance for technical applications |

Poster Social on Monday!

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| Mon-78 | A7-02 | Ghani | Irum, Tahseenullah Khan, <u>Humaad Ghani</u> | Petrography and Geochemistry of Part of the Mansehra Granite, Khyber Pakhtoonkhwa Pakistan |
| Mon-79 | B2-01 | Augustin | Nico Augustin, Froukje M. van der Zwan, Colin W. Devey | New Evidence for Increased Potential of Hydrothermal Occurrences in the Red Sea Rift |
| Mon-80 | B2-01 | Blaauwbroek | Nikki Blaauwbroek, Wolfgang Bach, Manuel Keith, Sven Petersen | Metalloid - noble metal relations in hydrothermal systems from the Manus Basin, Papua New Guinea |
| Mon-81 | B2-01 | Klischies | Meike Klischies, Sven Petersen, Nico Augustin, Colin Devey | Structural, magmatic and tectonic controls of hydrothermal venting at the Menez Gwen segment, at 37°50' N on the Mid-Atlantic Ridge |
| Mon-82 | B2-01 | Szitkar | Florent Szitkar, Sven Petersen, Fabio Caratori Tontini, Luca Cocchi | High-resolution magnetics reveal the deep structure of a volcanic-arc related basalt-hosted hydrothermal site (Palinuro, Tyrrhenian Sea) |
| Mon-83 | B2-01 | Theissen-Krah | S. Theissen-Krah, L. H. Riepke, J. Hasenclever | Anhydrite precipitation in hydrothermal systems |
| Mon-84 | B2-02 | Jahn | Julius Ludwig Jahn, Sabine Walther | Geochemical differentiation of barite vein-type mineralization in the Ilfeld Basin, Harz Mountains, Germany |
| Mon-85 | B2-02 | Bauer | Matthias E. Bauer, Thomas Seifert, Ralf Schlüter, Helmut Mischo | In-situ bioleaching in a historical mining district – an experimental approach for the potential of strategic element extraction |
| Mon-86 | B2-02 | Drüppel | Jim Garganese, Kirsten Drüppel, Elisabeth Eiche, Javier Castro Larragoitia | Characterization of the Au-Cu skarn deposit of the Sta. Teresa Mine, La Paz Mining District, San Luis Potosi, Mexico |
| Mon-87 | B2-02 | Haneklaus | Hendrik Haneklaus, Bernhard Stöckhert | Formation of greisen-type mineralization (Zinnwald/Cínovec, Erzgebirge) – a microstructural approach |
| Mon-88 | B2-02 | Kamradt | Andreas Kamradt | Comparative particle analysis of mineral processing products of black shale-hosted Kupferschiefer-type ore |
| Mon-89 | B2-02 | Meixner | Anette Meixner, Friedrich Lucassen, Ricardo Alonso, Benjamin Heit, Simone Kasemann | Sr and Li isotope distribution in space and time - Salar de Pozuelos, NW Argentina |
| Mon-90 | B2-02 | Qi | Dongmei Qi, Harald Behrens, Roman Botcharnikov, Insa Derrey, Francois Holtz | A synthetic fluid inclusion study of copper solubility in NaCl-H ₂ O fluids at 800°C and 200 MPa |
| Mon-91 | B2-02 | Richter | Lisa Richter, Volker Lüders, Thomas Dittrich, Thomas Seifert | Stable carbon isotopic composition of fluid inclusions from the Archean Bikita LCT pegmatite field |
| Mon-92 | B2-02 | Romer | Rolf L. Romer, Uwe Kroner | Gondwana-links of Phanerozoic magmatic tin and tungsten mineralization |
| Mon-93 | B2-02 | Romer | Rolf L. Romer, Uwe Kroner | Contrasting tectonic setting of magmatic Acadian-Variscan-Appalachian tin and tungsten mineralization |
| Mon-94 | B2-02 | Schulz | Bernhard Schulz, Sabine Haser | The ilmenite-pseudorutile-leucoxene alteration sequence in placer sediments in the view of automated SEM mineral liberation analysis |
| Mon-95 | B2-02 | Stratakis | Georgios Alevizos, Athanasios Apostolikas, Antonios Stratakis | Mineralogical and ore-petrographic investigation of the nickeliferous lateritic deposit of Hudenisht in Pogradec area (Albania) |

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| Mon-96 | B2-03 | Schoell | Martin Schoell, Ralf Tappert, Karlis Muehlenbachs, Alexander P. Wolfe and Ryan C. McKellar | A New Atmospheric pO ₂ record allows the assessment of quantities of organic carbon deposited in episodic organic carbon burial events (OBE) during the Phanerozoic |
| Mon-97 | B2-03 | Dufresne | Anja Dufresne, Christoph Prager, Annette Bösmeier | Morphology and sedimentology of a large carbonate rockslide – rock avalanche deposit (Tschirgant, Austrian Alps) |
| Mon-98 | B2-03 | Hartmann | Thorben Amann, Jens Hartmann | Application of agrominerals from selected rocks to supply geogenic nutrients via Enhanced Weathering |
| Mon-99 | B2-03 | Kärner | <u>Katrin Kärner</u> , <u>Herwig Marbler</u> , Peter Buchholz, Thomas Oberthür, Malte Junge | PGE resource potential of mine tailings and oxidized ores in the Bushveld Complex, South Africa |
| Mon-100 | B2-03 | Völker | Wei Li, Shiguo Wu, David Völker, Fang Zhao, Achim Kopf | Evolution of the Baiyun Slide Complex and stability of the unfailed slopes on the northern margins of the South China Sea |
| Mon-101 | B4-01/02 | Pentari | D. Pentari, A. Turnavitou, G. Alevizos, E. Repouskou, K. Komnitsas | Synthesis of nanoscale iron, for waste water treatment, using red mud as an iron precursor |
| Mon-102 | B4-03 | Huttner | Philipp Huttner, Markus Disse | Regionalization of groundwater levels along the Tarim River in North West China as precondition for a sustainable management of water resources |
| Mon-103 | B4-03 | Gerwin | Werner Gerwin, Reinhard F. Hüttl, Oliver Bens, Wolfgang Schaaf, Christoph Hinz | Observing ecosystem interactions and feedbacks – the Chicken Creek Landscape Observatory |
| Mon-104 | B4-03 | Kniewald | Goran Kniewald | The geological and tectonic structure of the Krka river estuary - integrated coastal zone management issues of the Adriatic Sea |
| Mon-105 | B5-01 | Goretzki | Nora Goretzki, Nimrod Inbar, Christian Siebert, Eliyahu Rosenthal, Michael Schneider, Fabien Magri | Inverse problem of large-scale coupled fluid flow and heat transport using FEPEST: The Tiberias Basin example |
| Mon-106 | B5-01 | Kempka | Thomas Kempka, Marco De Lucia, Michael Kühn | Integrated long-term site behavior assessment in geological underground utilization by coupled thermo-hydro-mechanical-chemical numerical simulations |
| Mon-107 | B5-01 | Kempka | Markus Adams, Elena Tillner, Thomas Kempka, Martin Feinendegen, Martin Ziegler | An innovative hydro-mechanical coupling approach for fault reactivation |
| Mon-108 | B5-01 | Kühn | Fabien Magri, Sebastian Möller, Nimrod Inbar, Christian Siebert, Peter Möller, Eliyahu Rosenthal, and <u>Michael Kühn</u> | Convective regimes in the Tiberias Basin, Israel/Jordan, and their consequences on relic brine migration |
| Mon-109 | B5-01 | Scheck-Wenderoth | Anna M. Przybycin, <u>Magdalena Scheck-Wenderoth</u> , Michael Schneider | The origin of deep geothermal anomalies in the German Molasse Basin assessed by 3D numerical model of coupled fluid flow and heat transport |
| Mon-110 | B5-01 | Schendt | Philipp Schendt, Mark Lindsay, J. Florian Wellmann | Understanding the effect of seismic uncertainty on geological models |
| Mon-111 | B5-01 | Unger | Victoria Unger, Thomas Kempka | Hydro-mechanical simulations demonstrate wellbore system integrity during entire lifecycle at the Ketzin pilot site |
| Mon-112 | B6-01 | Balzer | Robert Balzer, Ute Bauer, Anna-Maria Welsch, Harald Behrens | Investigation on hydrous phosphate glasses |

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| Mon-113 | B6-01 | Behrens | Ute Bauer, Harald Behrens, Michael Fechtelkordb, Stefan Reinsch, Joachim Deubener | Water- and boron speciation in hydrous soda-lime borate glasses |
| Mon-114 | B6-01 | Gröger | Katja Gröger, Christian Selleng, Patrick Fontana, Birgit Meng | Effect of 90 °C thermal treatment on Ultra High Performance Concrete |
| Mon-115 | B6-01 | Kemnitz | Otto Krause, <u>Helga Kemnitz</u> | Behaviour of spinel-forming DVM using crucible induction furnaces. A case study on material failure |
| Mon-116 | B6-01 | Liesegang | Moritz Liesegang, Ralf Milke | Photonic structures in natural amorphous silica - Sedimentation and Replacement |
| Mon-117 | B6-01 | Nickel | Claudia Nickel, Florian Mittermayr, Petra Bachhuber, Franziska Rümmele, Bernhard Fercher, Dietmar Klammer, Joachim Juhart | Performance oriented durability testing of eco-concrete for the precast industry |
| Mon-118 | B6-01 | Schaller | Achim M. Schaller, Detlev Götz, Herbert Pöllmann | Three-dimensional analysis of highly porous building and ceramic materials with computed tomography (CT) on laboratory X-ray diffractometers |
| Mon-119 | B6-01 | Simon | Sebastian Simon, Christian Selleng, Birgit Meng | A New Sample Holder for fast XRD Investigation on UHPC |
| Mon-120 | B6-01 | Triantafyllou | Georgios Triantafyllou, Georgios Alevizos, Antonios Stratakis | Experimental study of the carbonation process in natural hydraulic lime binders |
| Mon-121 | B6-01 | Meng | Daniel Werner, <u>Birgit Meng</u> | The damage potential of alkali-silica reaction by using sand and fine gravel grain sizes for various reactive aggregates |
| Mon-122 | B6-01 | Werner | Daniel Werner, André Gardei, Sebastian Simon, Birgit Meng | Microscopic and microchemical investigation of building materials affected by alkali-silica reaction |
| Mon-123 | C5 | Krauß | Felix Krauß, Helge Simon, Peter Hedin, Rüdiger Giese, Stefan Buske, Christopher Juhlin, Henning Lorenz | Borehole seismic in the ICDP borehole COSC-1 |
| Mon-124 | C5 | Harms | Antje Schwalb, Richard Niederreiter, Volker Wittig, and <u>Ulrich Harms</u> | A novel sediment coring instrument combining classical piston corer with hydraulic downhole hammer |
| Mon-125 | C5 | Harms | Ulrich Harms and Henning Lorenz | Caledonian thrust sheet emplacement along basal mylonites in the COSC-1 borehole in Central Sweden |
| Mon-126 | C6 | Reinheimer | Hanna Reinheimer, Rouwen Lehné | Geological 3D-Modelling as a perspective for mining planning in open pit mines |
| Mon-127 | C6 | Schilling | Andreas Simon, Christoph Jahnke, Thomas Höding | Brandenburg 3D - delivering geological information to the public |
| Mon-128 | C6 | Seidel | Elisabeth Seidel, Martin Meschede, Karsten Obst | First steps towards a 3D structural model of the Southern Baltic Sea, Northeast of Rügen Island |
| Mon-129 | C6 | Wycisk | Peter Wycisk, Lars Schimpf, Bodo-Carlo Ehling, Jörg Hammer | Glass laser engraving 3d-models – Innovative techniques of visualization |

Poster Social Tuesday!

| No. | Session | Presenter Last Name | All Authors | Abstract Title |
|--------|---------|---------------------|---|---|
| Tue-1 | A1-03 | Appel | Peter Appel | Xenotime and Monazite Ages and Polymetamorphic Evolution of Kyanite-Staurolite Schists from the Northern Part of the Usagaran Belt (Tanzania) |
| Tue-2 | A1-03 | Riehm | Albert Riehm, Yannick Ruppert, Kirsten Drüppel, Jens C. Grimmer | New constraints on the metamorphic evolution of metabasites of the Central Schwarzwald Gneiss Complex, Germany |
| Tue-3 | A1-03 | Li | Li Ganxian | Analysis of the Dynamic Mechanism of Continental Drift and Plate Motion |
| Tue-4 | A1-03 | Loges | Anselm Loges, Dina Schultze, Jana Rehm, Gerhard Franz | Paleosedimentological reconstruction of amphibolite facies metasediments: a holistic approach |
| Tue-5 | A1-04 | Götze | Lutz C. Götze, Ralf Milke, Susan Schorr, Rainer Abart, Richard Wirth | In-situ monitoring of mineral reactions using synchrotron X-ray diffraction |
| Tue-6 | A1-04 | Matysiak | Agnes Matysiak, Claudia Trepmann | The deformation record of olivine in mylonitic peridotites from the Finero Complex, Ivrea Zone - separate deformation cycles during exhumation |
| Tue-7 | A1-04 | Schultze | Dina Schultze, Gerhard Franz, Richard Wirth, Dirk Berger, Hans-Peter Schertl | The dissolution-precipitation reactions and the role of aqueous fluids in the transformation of corundum to kyanite - three natural examples on a metamorphic cycle |
| Tue-8 | A1-06 | Brandes | Christian Brandes, Karsten Piepjohn, Dieter Franke, Christoph Gaedicke | Paleostress field analysis of collisional tectonics along the margin of the Alaska-Chukotka microplate |
| Tue-9 | A1-06 | Geersen | Jacob Geersen, Karen Leever, Kathrin Lieser, Lisa McNeill | Fault reactivation and landward vergent thrusting in the accretionary prism of Northern Sumatra revealed by analogue experiments |
| Tue-10 | A1-06 | Glerum | A. C. Glerum, C. Thieulot, C. C. Pranger, D. J. J. van Hinsbergen, M. Fraters, W. Spakman | Three-dimensional instantaneous dynamics modeling of present-day Aegean subduction |
| Tue-11 | A1-06 | Keppler | Ruth Keppler, Michael Stipp, Jan Behrmann, Florian Heidelberg | Subduction channel flow by dislocation creep in eclogites of the Tauern Window, Austria |
| Tue-12 | A1-06 | Kurzawski | Robert M. Kurzawski, Michael Stipp, Ralf Doose, Detlef Schulte-Kortnack | Triaxial testing of marine sediments from offshore Costa Rica (Costa Rica Seismogenesis Project – IODP Expeditions 334 and 344) |
| Tue-13 | A1-06 | Trütner | Sebastian Trütner, Matt J. Ikari, David Völker, Achim J. Kopf | CLIP - Chile Large-slip: Initiation and Propagation mechanisms |
| Tue-14 | A1-06 | Völker | David Völker, Jacob Geersen, Achim Kopf | Coseismic seafloor displacement by the 2010 Maule Earthquake offshore Central Chile - relation to fault activity and fault strength |
| Tue-15 | A2-04 | Büchner | J. Büchner, O. Tietz, L. Viereck, M. Abratis, A. Gerdes, P. Suhr | The Lausitz Volcanic Field – insights into a continental magmatic evolution |
| Tue-16 | A2-04 | Körting | F. Körting, C. Rogaß, H. Kämpf, M. Schudack | Drill core mineral analysis by means of the hyperspectral imaging spectrometer HySPEX, XRD and ASD in proximity of the Mytina Maar, Czech Republic |

Poster Social Tuesday!

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|---------------|----------|-------------|---|---|
| Tue-17 | A2-04 | Mazumdar | S. Mazumdar, R. Milke, T. John | Ohre rift related volcanism in Silesia (Poland): Insights from mineral micro-chemistry |
| Tue-18 | A2-04 | Abratis | M. Abratis, L. Viereck, J. A. Pfänder, R. Hentschel | Geochemistry, petrography and radiometric ages of the Heldburg Phonolite: Implications on magma mixing and mingling |
| Tue-19 | A2-04 | Milke | R. Milke, S. Schwidessen, A. C. Noll, A. Weit | Reactions between mantle xenoliths and trachyandesite host melt from Pigroot, New Zealand |
| Tue-20 | A2-04 | Neukampf | Julia Neukampf, Armin Freundt, Timm John | Study of the evolution of the intra-plate magma plumbing system beneath Fogo |
| Tue-21 | A2-04 | Kemner | F. Kemner, C. Beier, K. Haase | The geochemical evolution of oceanic intraplate volcanoes |
| Tue-22 | A2-04 | Wilke | Sören Wilke, Torsten Bolte, Renat Almeev, Eric H. Christiansen, Francois Holtz, | Experimental calibration of a new geobarometer for rhyolitic melts based on cotectic melt compositions |
| Tue-23 | A2-04 | Zirner | Aurelia L.K. Zirner, Chris Ballhaus, Roman Botcharnikov, Raúl O.C. Fonseca, Carsten Münker | Anorthositic dykes in Cyprus – precipitates of magmatic fluids? |
| Tue-24 | A2-04 | Ghani | Irum, M. Arif, M. Sajid, <u>H. Ghani</u> | Petrographical Study of Rocks from Indus Suture Zone and Jijal Complex, NW Pakistan |
| Tue-25 | A3-03 | Tosi | Nicola Tosi, Ondrej Cadek, Marie Behuonkova, Michela Kanova, Ana-Catalina Plesa, Matthias Grott, Doris Breuer, Sebastiano Padovan, Mark Wieczorek | Mercury's Low-Degree Geoid and Topography from Insolation-Driven Elastic Deformation |
| Tue-26 | A3-03 | Cizkova | Hana Cizkova, Arie van den Berg, Volker Steinbach, Michel Jacobs | Heat transport characteristics of large terrestrial exoplanets |
| Tue-27 | A3-03 | Tosi | Ana-Catalina Plesa, Sebastian Prinz, <u>Nicola Tosi</u> , Christian Hüttig, Doris Breuer | Thermal evolution and heat-pipe melt transport: implications for one-plate planets |
| Tue-28 | A3-03 | Steinberger | Bernhard Steinberger, Stephanie Werner, Tobias Rolf | Mantle dynamics models of the the gravity spectrum of Mercury |
| Tue-29 | A3-03 | Wong | Teresa Wong, Viatcheslav S. Solomatov | Variations in timing of plate tectonics initiation on Earth-like planets due to chaotic nature of mantle convection |
| Tue-30 | A4-01/02 | Jain | Charitra Jain, Antoine Rozel, Paul Tackley | Is there any correlation between continents and elevated temperatures in the subcontinental mantle? |
| Tue-31 | A4-01/02 | Kostyanev | Simeon Kostyanev, Georgi Trapov, Velislav Stoyanov | NUMERICAL MODELLING OF HEAT FLOWS IN BLACK SEA |
| Tue-32 | A4-01/02 | Marquardt | H. Marquardt, G.J. Golabek, L. Miyagi, T.V. Gerya | The response of subducting slabs to a strength increase in the shallow lower mantle constrained by numerical modelling |
| Tue-33 | A4-01/02 | Nikolaou | Athanasia Nikolaou, Nicola Tosi, Ana-Catalina Plesa | Modelling magma ocean evolution and volatile outgassing using a 1-D atmosphere-interior coupled model for the early earth |

Poster Social Tuesday!

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|---------------|----------|---------------|--|--|
| Tue-34 | A4-01/02 | Osei Tutu | Anthony Osei Tutu, Bernhard Steinberger, Stephen Sobolev, Irina Rogozhina | Linking global mantle dynamics with lithosphere considering the effect of visco-elasto-plastic rheology in the upper 300 km |
| Tue-35 | A4-01/02 | Ruedas | Thomas Ruedas | Effects of impacts on the thermochemical evolution of Mars |
| Tue-36 | A4-01/02 | Wagner | Frank Walter Wagner, Ana-Catalina Plesa | Modeling the convective heat transfer in solid planets |
| Tue-37 | A4-03 | Cordier | J. Amodeo, B.S.A. Schuberth, H.-P. Bunge, Ph. Carrez, P. Cordier | On the role of thermal heterogeneities on the rheology of MgO under conditions of the Earth's lower mantle |
| Tue-38 | A4-03 | Cordier | Francesca Boioli, Philippe Carrez, Patrick Cordier | Modeling the rheology of olivine using 2.5D dislocation dynamics simulations |
| Tue-39 | A4-03 | Herting-Agthe | Susanne F. Herting-Agthe | Calcite – star-shaped oriented intergrowths with other minerals |
| Tue-40 | A4-03 | Marquardt | Alexander Kurnosov, Hauke Marquardt, Tiziane Boffa Ballaran, Daniel J. Frost | The effect of iron and aluminium incorporation on the single-crystal elasticity of bridgmanite at high pressure |
| Tue-41 | A4-03 | Marquardt | H. Marquardt, L. Miyagi, Sergio Speziale, Hanns-Peter Liermann | Deformation of (Mg,Fe)O ferropericlase at high-pressures and high-temperatures and slab stagnation in the shallow lower mantle |
| Tue-42 | A4-03 | Miyajima | Nobuyoshi Miyajima, Yang Li, Florian Heidelbach | Electron channeling contrast imaging of dislocations in geological materials using a scanning electron microscope |
| Tue-43 | A4-05 | Bläsing | Saskia Bläsing, Marc Grund, Christoph Heubeck | Petrography and Structural Geology of the westernmost Dycedale Syncline (Barberton Greenstone Belt, South Africa) – Implications for Archean tectonics and depositional environments |
| Tue-44 | A4-05 | Heubeck | Paul Fugmann, <u>Christoph Heubeck</u> , Eleutherios Profitis | Sedimentology of the “Tsunami”- chert-slab conglomerate of the Archean Fig Tree Group (3.24 Ga), Barberton Greenstone Belt, South Africa |
| Tue-45 | A4-05 | Heubeck | Christoph Heubeck | Reassessing evidence of Moon-Earth dynamics: No evidence of shorter lunar months from tidal bundles of the Moodies Group (Barberton Greenstone Belt, 3.22 Ga) |
| Tue-46 | A4-05 | Homann | Martin Homann, Christoph Heubeck, Alessandro Airo | Morphological adaptations of 3.22 Ga-old phototrophic microbial mats to Archean coastal habitats (Moodies Group, Barberton Greenstone Belt, South Africa) |
| Tue-47 | A4-05 | Müller | Matthias Müller, Alessandro Airo | Modeling Microbialite Growth |
| Tue-48 | A4-05 | Nabhan | Sami Nabhan, Christoph Heubeck, Michael Wiedenbeck, Harald Strauß | Biogenic overgrowth on detrital pyrite in Archean paleosols in the ~3.2 Ga old Moodies Group, BGB, South Africa. |
| Tue-49 | A4-05 | Rabethge | Carolin Rabethge, Christoph Heubeck | Depositional environment of ferruginous sediment in the Moodies Group, Barberton Greenstone Belt, South Africa |
| Tue-50 | A4-05 | Rentinck | Marc-Nicolas Rentinck, Alessandro Airo | Bioflumology: Cyanobacterial biomat morphologies under flow conditions |

Poster Social Tuesday!

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|---------------|-------|---------------|--|--|
| Tue-51 | A4-05 | Sager | Christof Sager, Julia Hulin, Alessandro Airo | Bioflumology: Cyanobacterial biomat morphologies under tidal conditions |
| Tue-52 | A4-05 | Schley | Nicolas Schley, Martin Homann, Alessandro Airo | Mico-CT analysis of Archean microbial mats |
| Tue-53 | A6-03 | Voigt | Sietske J. Batenburg, <u>Silke Voigt</u> , Oliver Friedrich, Anne Osborne, Tina Klein, Christoph Neu, Martin Frank | Atlantic Ocean Circulation during the Latest Cretaceous and Early Paleogene: Progressive Deep Water Exchange |
| Tue-54 | A6-07 | Gehrmann | Anna Gehrmann, Martin Meschede, Heiko Hüneke, Henrik Rother, Karsten Obst | The Jasmund Glaciotectonic Complex (NE Rügen Island): Geomorphological Mapping and Landform Analyses based on LiDAR Data |
| Tue-55 | A6-07 | Mey | Jürgen Mey, Dirk Scherler, Andrew Wickert, David L. Egholm, Magdala Tesauero, Manred R. Strecker | Estimating the contribution of GIA to the present-day uplift of the European Alps considering post-glacial sediment redistribution and variations in lithospheric strength |
| Tue-56 | A6-07 | Tanner | David C. Tanner, Jan Igel, Thomas Günther, Christian Brandes, Charlotte M. Krawczyk | Glacial structures revealed in County Kerry, Ireland, by detailed 3D geophysical investigation |
| Tue-57 | B1-01 | Arfai | Jashar Arfai, Rüdiger Lutz, Lutz Reinhardt, Christoph Gaedicke | 3D petroleum system modelling and hydrocarbon generation potential: the Entenschnabel area, northwestern German North Sea |
| Tue-58 | B1-01 | Emmel | Benjamin Emmel Krzysztof Jan Zieba | Thermochronology based revised Cenozoic uplift and erosion estimates for the western Barents Sea |
| Tue-59 | B1-01 | Ondrak | Robert Ondrak, Ursula Hammes | Modeling the burial and maturation history of the Haynesville Shale in the East Texas Salt Basin and the Sabine Uplift area |
| Tue-60 | B1-01 | Tanner | David C. Tanner, Jennifer Ziesch, Thies Beilecke, Charlotte M. Krawczyk | Kinematic analysis of syn-sedimentary normal faults in the Otway Basin, Australia |
| Tue-61 | B1-01 | Theissen-Krah | S. Theissen-Krah, D. W. Schmid, J.-I. Faleide, S. Planke, L. H. Ruepke, E. H. Hartz | Extension and thermal evolution at the Mid-Norwegian Margin – Insights from basin modelling between Greenland and the Møre Margin |
| Tue-62 | B1-01 | Warsitzka | Michael Warsitzka, Jonas Kley, Nina Kukowski | Understanding salt structure evolution in the Central Glueckstadt Graben (Northern Germany) by means of restoration of minibasins |
| Tue-63 | B1-01 | Zieba | Krzysztof Jan Zieba, Arnt Grøver | Glacial erosion, deposition and ice loading: Impact on structural development of the western Barents Sea sedimentary basins |
| Tue-64 | B1-02 | Purser | G. Purser, K. Bateman, A.D. Kilpatrick, L. Selby | An experimental investigation of the fluid-rock reaction of Bowland Shale with a shale gas injection fluid. |
| Tue-65 | B1-03 | Baniasad | Alireza Baniasad, Ahmadreza Rabbani, Victoria Sachse, Ralf Littke | Organic Geochemistry and Basin Modeling Study in the Northwestern Part of the Persian Gulf |
| Tue-66 | B1-03 | Weniger | Martin Blumenberg, Jolanta Kus, Lutz Reinhardt, Christoph Gaedicke, Karsten Piepjohn, Georg Scheeder, Stefan Schlömer, <u>Philipp Weniger</u> , Christian Ostertag-Henning | The oil generation potential of coals from Svalbard and the Northern Barents Sea |

Poster Social Tuesday!

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|---------------|-------|-------------------|--|--|
| Tue-67 | B1-03 | Ghassal | Bandar Ghassal, Victoria Sachse and Ralf Littke | Source Rock Assessment of Upper Albian to Turonian Sedimentary Rocks from the Tarfaya Basin, SW Morocco |
| Tue-68 | B1-03 | Ghazwani | Assad Ghazwani, Ralf Littke, Reinhard Fink, Christoph Hartkopf-Fröder, Nicolaj Mahlstaedt, Victoria Sachse | Organic Geochemistry, Petrology and Palynofacies of Middle Devonian Lacustrine Flagstone in the Orcadian Basin, Scotland: Depositional Environment, Thermal History and Petroleum Generation Potential |
| Tue-69 | B1-03 | Stock | Alexander T. Stock, Ralf Littke | Analysis of oils from the Lower Saxony Basin and the Gifhorn Trough – Oil quality and biodegradation as related to reservoir depth and source rock maturity |
| Tue-70 | B1-03 | Stück | Heidrun Stueck, David Houseknecht, Dieter Franke, Donald Gautier, Andreas Bahr, Stefan Ladage | Shale gas assessments – Comparison of performance-based vs. gas in place approach |
| Tue-71 | B1-03 | Stück | Heidrun Stueck, Carsten Helm, Rüdiger Lutz, Steffen Biermann, Christian Ostertag-Henning, Andreas Bahr, Dieter Franke, Stefan Ladage | Shale Gas and Shale Oil in Germany: In-Place assessment and technically recoverable resources |
| Tue-72 | B1-03 | Weniger | Philipp Weniger, Martin Blumenberg, Bernhard M. Krooß, Christian Ostertag-Henning, Jürgen Poggenburg, Stefan Schlömer | Arctic petroleum source rocks - Development of an open-system, non-isothermal pyrolysis system to investigate stable isotope specific kinetics of hydrocarbon generation |
| Tue-73 | B1-04 | Gorka | Torsten Gorka, Stephan Peters | Nutzung von Kohle durch untertägige Vergasung (UCG) am Beispiel von zwei aktuellen Pilotversuchen in Polen |
| Tue-74 | B1-04 | Baban | Ezzadin Najmadin Baban | Study of the gravity data of south of Talafar - Mosul area – NE Iraq |
| Tue-75 | B1-04 | Faturrahman Rusli | Fadli Faturrahman R, Andri Dian Nugraha, Rachmat Sule | Three-Dimensional (3-D) Attenuation Tomography in “FF” Geothermal Field. |
| Tue-76 | B1-04 | Franke | K. Berglar, M. Blumenberg, D. Franke, M. Krüger, R. Lutz & PANORAMA team | Hydrocarbon Potential of the European Arctic - Chances and challenges |
| Tue-77 | B1-04 | Liebner | Marcus Liebner, Jörg Neßler, Thomas Seifert | SEM-EDX-based mineralogical, paragenetic and geochemical characterization of Nb-Ta-minerals in granites and greisen of the Sn-W-Li-deposit Zinnwald, Erzgebirge, Germany |
| Tue-78 | B1-04 | Lutz | R. Lutz, L. Reinhardt, A. Lückge | Triassic source rocks in the Barents Sea – Input for hydrocarbon assessment of the European Arctic |
| Tue-79 | B1-04 | Seifert | Thomas Seifert | Comparison between the Marienberg-Pobershau, Seiffen-Hora Sv. Kateřiny and Ehrenfriedersdorf-Geyer Sn-polymetallic districts and their potential for tin resources |
| Tue-80 | B5-02 | Bense | Frithjof Bense, Fabian Jähne-Klingberg, Marco Wolf, Stephan Steuer | Assessing the storage potentials in the subsurface of the northwestern German North Sea (“Duck’s Beak”) – challenges and opportunities |
| Tue-81 | B5-02 | Körting | O. Körting, H. Babayan, G. Melikadze, B. Müller, T. Neumann, H.-G. Stosch, P. Tozalakyan | Natural analogue investigation for CCS in the Southern Caucasus |
| Tue-82 | B5-02 | Kuhlmann | Gesa Kuhlmann, Lisa Kaatz, Klaus Reinhold | Early Jurassic lithology and facies distribution in the eastern part of the North German Basin revisited from litho-facies maps and borehole descriptions |

Poster Social Tuesday!

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|---------------|-------|-----------|---|---|
| Tue-83 | B5-02 | May | Franz May | How can environmental monitoring data be used in the Risk Management of CO ₂ storage sites? |
| Tue-84 | B5-02 | Mueller | Christian Mueller, Gabriela von Goerne, and Project Group | TUNB: A 3D Model of the North German Basin – Project Overview |
| Tue-85 | B5-02 | Obst | Karsten Obst, Sabine Matting, André Deutschmann, Juliane Brandes | TUNB-Projekt (TP3): Recherche geologischer und geophysikalischer Daten und digitale Aufbereitung für ein 3D-Landesmodell Mecklenburg-Vorpommern |
| Tue-86 | B5-02 | Offermann | Katrin Lademann, Thomas Liebsch-Dörschner, <u>Petra Offermann</u> | Geological 3D modeling of the deep underground in Schleswig-Holstein and Hamburg (north german basin). – A part of the joint project TUNB (Tieferer Untergrund Norddeutsches Becken) |
| Tue-87 | B5-02 | Pastrik | Nicole Pastrik, Katharina Bairlein | Petrophysical and geoelectrical investigations on analogue outcrops of the South German Malm |
| Tue-88 | B5-02 | Peltz | Markus Peltz, Georg Grathoff, Laurence N. Warr, Karsten Obst | The influence of CO ₂ -charged brine on mineralogy and pore space of caprocks: An XRD and FIB-SEM study on Toarcian claystones |
| Tue-89 | B5-02 | Rienäcker | Julia Rienäcker, Sabine Sattler | How to improve a large-scale geological 3D model? -The TUNB3D-NI project- |
| Tue-90 | B5-02 | Röbber | Yvonne Röbber, Amrita Bhattacharyya, Luca Loreggian, Thomas Borch, Nadja Pierau, Rizlan Bernier-Latmani, Stefan Weyer | Biotic and abiotic ²³⁸ U/ ²³⁵ U fractionation – applications to bioremediation and U ore roll-front deposits |
| Tue-91 | B5-02 | Schilling | Maik Schilling, Christoph Jahnke, Andreas Simon, Thomas Höding | Challenges within the project TUNB |
| Tue-92 | B5-02 | Steuer | Stephan Steuer, Fabian Jähne-Klingberg, Frithjof Bense, Marco Wolf | Are you sure? – Visualizing geological uncertainties in structural 3D models |
| Tue-93 | B5-02 | Tatarinov | Victor Tatarinov, Vladislav Morozov, Tatiana Tatarinova | Prediction geodynamic safety in the disposal of high-level radioactive waste in geological formations |
| Tue-94 | B5-02 | Wolf | Marco Wolf, Stephan Steuer, Frithjof Bense, Fabian Jähne-Klingberg | Seismo-stratigraphic subdivision of the Triassic in the Central German North Sea |
| Tue-95 | B5-02 | Wolf | Jan Lennard Wolf, Dorothee Rebscher, Jacob Bensabat, Auli Niemi | Reactivity vs. transport: Geochemical impact of SO ₂ in CO ₂ flue gas and its spatial dissolution pattern in the reservoir system |
| Tue-96 | B6-02 | Berthold | R. Gradmann, <u>C. Berthold</u> , and U. Schüssler | Identification of coloring agents in glazes of Islamic tiles and tableware ceramic from the 10th -18th century using EMPA and μ -XRD2 |
| Tue-97 | B6-03 | Dietmann | Karen Maria Dietmann, Stefan Stöber, Herbert Pöllmann | Investigation on the system C ₃ A·CaSO ₄ ·nH ₂ O - C ₃ A·Ca(MnO ₄) ₂ ·nH ₂ O — hydration phases of the Mn-CAC |
| Tue-98 | B6-03 | Gunder | René Gunder, Susan Schorr | Structural trends in off-stoichiometric Cu ₂ ZnGeSe ₄ compound semiconductors |
| Tue-99 | B6-03 | He | Jianhan He, Klaus Bandel, Marc Theodor, Ulrich Bismayer | Shells of bivalves and gastropods – perfect bio-composites |

Poster Social Tuesday!

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|----------------|-------|-------------|--|---|
| Tue-100 | B6-03 | Keuper | Melanie Keuper, Klaus G. Nickel, Christoph Berthold, Kathrin Termin, Katharina Klang, Anita Roth-Nebelsick | Manufacturing of Ordered Porous Materials: Freeze Casting and Ionotropic Gelation |
| Tue-101 | B6-03 | Linke | Tobias Linke, Stefan Stöber, Herbert Pöllmann | Investigations of the System $Me^{2+}_{x1}Me^{3+}_{x2}[(OH^-)_{1/2}CO_3^{2-}]_{x1+x2} \cdot nH_2O$ with different di- and trivalent metal cations |
| Tue-102 | B6-03 | Marquardt | Julien Marquardt, Christiane Stephan, Susan Schorr | Structure-property relations in chalcopyrite based intermediate band solar absorber materials |
| Tue-103 | B6-03 | Niksch | A. Niksch, H. Pöllmann | Synthesis and characterization of a $[Li_{0+x}Mg_{2-2x}Al_{1+x}(OH)_6]Cl \cdot mH_2O$ solid solution LDH |
| Tue-104 | B6-03 | Sajid | Muhammad Sajid, John Coggan, Mohammad Arif, Jens Andersen, Gavyn Rollinson | Textural characteristics as an efficient indicator towards rock strength: Insights from studies on Granites from north Pakistan |
| Tue-105 | B6-03 | Zietlow | P. Zietlow, T. Beirau, B. Mihailova, T. Malcherek, J. Schlüter, C. Paulmann, R. Škoda, L.A. Groat, U. Bismayer | Thermal annealing behaviour of radiation damaged pyrochlore |
| Tue-106 | C1/C2 | Tomaschek | Frank Tomaschek, Alexander Heuser, Alexander Nemchin, Thorsten Geisler | Replacement of uraniferous opal by chalcedony and disturbance of the U-Pb system |
| Tue-107 | C1/C2 | Floor | Geerke H. Floor, Ignasi Queralt, Manuela Hidalgo, Eva Marguí | Measurement uncertainty in total reflection X-ray fluorescence |
| Tue-108 | C1/C2 | Horn | Axel Horn, Herbert Pöllmann | Characterization of amorphous contents in brown coal fly ash |
| Tue-109 | C1/C2 | Berthold | Nadja Wichtner, Christoph Berthold, Klaus G. Nickel | Coupling μ -XRD2 & DTA: Advantages using large 2D-detectors for the real-time monitoring of temperature dependent processes |
| Tue-110 | C1/C2 | Marko | Linda Marko, Axel Gerdes, Frank Melcher, Marieke van Lichtervelde | U-Pb and Lu-Hf isotope systematics of Nb-Ta mineralization |
| Tue-111 | C3 | Krätschell | Anna Krätschell, Mark Hannington, Sven Petersen | Marine Minerals Database and Information System at GEOMAR |
| Tue-112 | C3 | Vierkant | Heinz Pampel, Paul Vierkant | Current Status and Future Plans of re3data.org - Registry of Research Data Repositories |
| Tue-113 | C4 | Baltruschat | Stefan Baltruschat, Michael Fritz, Jaroslav Obu, Hugues Lantuit, Matthias Hinderer | Soil organic matter characteristics in surficial permafrost sediments on Herschel Island, Yukon Territory, Canada |
| Tue-114 | C4 | Cors | Jean Cors, Ulrich Heimhofer, Thierry Adatte, Stefan Schouten | The neglected story of Oceanic Anoxic Event 2 in the terrestrial realm: A high-resolution multi-proxy study on the mid-latitude Cassis Section in Southern France |
| Tue-115 | C4 | Leuschner | Annette Leuschner, Frank Mattern, Stephan van Gasselt | Alluvial Fans of the Oman Mountains: Morphometry and Hydrodynamic Characteristics |

Poster Social Tuesday!

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| Tue-116 | C4 | Mutzi | Jürgen Mutzi, Olaf K. Lenz, Günter Landmann, Matthias Hinderer | Palynology and micropalaeontology of Holocene lacustrine sediments of the Layla Lakes in central Saudi Arabia and implications for palaeoenvironment and palaeoclimate |
| Tue-117 | C4 | Prinz | Linda Prinz, Tom McCann, Andreas Schäfer, Torsten Utescher, Sven Asmus, Peter Lokay | Sand bodies in the Frimmersdorf Lignite Seam, Garzweiler open-cast mine, Lower Rhine Basin |
| Tue-118 | C4 | Prinz | Linda Prinz, Andreas Schäfer, Torsten Utescher, Tom McCann, Sven Asmus, Peter Lokay | Coastal high-energy Neurath Sand in Cenozoic-age Lower Rhine Basin (W Germany) |
| Tue-119 | C4 | Ridder | Michaela Ridder, Stefan Back, Johannes Belde, Lars Reuning | 2D Seismic-Reflection Analysis and 3D Reconstruction of the Development of Cenozoic Carbonate Systems along the Lynher-Lombardina Structure, Browse Basin, Northwest Australia |
| Tue-120 | C4 | Rütters | Sophia Rütters, Tom McCann | Pre-Messinian Salinity Crisis sedimentary successions of the southern Vera Basin, SE Spain |
| Tue-121 | C4 | Rütters | Sophia Rütters, Tom McCann | An overview of Neogene-age deposition within the Vera Basin, SE Spain |
| Tue-122 | C4 | Zuo | Fanfan Zuo, Ulrich Heimhofer, Stefan Huck, Jochen Erbacher | Carbon-isotope chemostratigraphy and sedimentary characteristics of Kimmeridgian shallow-water deposits in the Lower Saxony Basin of northern Germany |