SUNDAY, 2.09.2018				
	Foyer & Aula	Senatssaal	Festsaal	tba (in another building)
Time				
9h00				AK Paläobiologie 9h-16h
14h00		DMG Vorstandssitzung 14h-16h	PalGes Vorstandssitzung 14h-17h	
17h00	Registration			
17h-20h	Ice Breaker			

MONDAY, 3.09.2018											
	Foyer & Aula	Hörsaal VIII 161 seats	Hörsaal IX 199 seats	Hörsaal III 101 seats	Hörsaal V 77 seats	Hörsaal I 275 seats	Hörsaal X 624 seats	Hörsaal VII 161 seats	Hörsaal II 79 seats	Hörsaal IV 77 seats
8h00	Registration									
9h-10h30		**11c) Soft part preservation: The limits of the fossil record** | *Chair: Jes Rust & Koen Stein*	**16b) Solid-fluid reactions in technical and Earth systems** | *Chair: Thorsten Geisler- Wierwille & Andreas Lüttge*	**01b) Tracing life through deep time: New approaches & fresh perspectives** | *Chair: Jörn Peckmann*	**03b) The Eastern Mediterranean** | *Chair: G. Zulauf, P. Xypolias & T. Ustaömer*		**09a) Geoscientific aspects of the safe management of mineral, hazardous and nuclear wastes** | *Chair: Daniel Vollprecht & Guido Deissmann*	**10f) Isotope analyses on calcareous and phosphatic fossils: Potentials and weaknesses** | *Chair: T. Tütken & T. Wotte*	**10g) Reconstructing the ecological roles of extinct organisms…** | *Chair: Kenneth de Baets*	**05b) Advanced techniques and case studies in sedimentary provenance analysis** | *Chair: Hilmar von Eynatten*
9h00-9h15		P. Martin Sander, Carole T. Gee, Thorsten Geisler-Wierwille, Jes Rust | **The New DFG Research Unit 2685: The Limits of the Fossil Record – Analytical and Experimental Approaches to Fossilization**	Lars Dohmen, Christoph Lenting, Thorsten Geisler | **New insights into the glass corrosion process by in situ confocal Raman spectroscopy**	***Keynote:*** Simon K.-M. R. Rittmann | **Biological methane production under putative Enceladus-like conditions**	***Keynote:*** Aral I. Okay | **The story of Tethys in the Eastern Mediterranean – Black Sea region**		***Keynote:*** Reto Gieré, Christoph Maschowski | **Mineralogy and geochemistry of biomass-combustion waste**	***Keynote:*** Christophe Lécuyer | **Combined use of 18O/16O and 34S/32S in apatite to decipher the ecology of vertebrates**	***Keynote:*** Tyler R. Lyson, Stephan Lautenschlager, Bruce Rubidge, Gabriel Bever | **Fossoriality and the origin of the turtle body plan**	***Keynote:*** Nils Keno Lünsdorf, Jannick Kalies, Patrick Ahlers, István Dunkl, Hilmar von Eynatten | **High resolution heavy mineral analysis by automated Raman spectroscopy – Methodology and Application**
9h15-9h30		Klaus Wolkenstein | **Deciphering the organic constituents of fossils using modern analytical methods**	Janis Heuer, Andreas Luttge | **Kinetics of pipeline steel corrosion studied by Raman spectroscopy coupled Vertical Scanning Interferometry**							
9h30-9h45		Fabian Matthias Gäb, Chris Ballhaus, Joachim Mogdans | **Experimental data on constraining the „Fossilization Window" - the effects of pressure, salinity and the pH-Eh-values of seawater**	Inna Kurganskaya, Rolf S. Arvidson, Cornelius Fischer, Sergey V. Churakov, Andreas Luttge | **Fundamental problems in mineral-fluid reaction kinetics modelling: system size, parameterization, complexity and scalability**	Sami Nabhan, Johanna Marin-Carbonne, Christoph Heubeck | **The Paleoarchean sulfur cycle and the increasing influence of microbial sulfur oxidation**	Nicolas Neuwirth, Silviu O. Martha, Gernold Zulauf | **New structural and finite strain data from the Asteroussia Crystalline Complex (ACC) near Lendas (Crete): constraints on the tectonometamorphic evolution of the Uppermost Unit**		Klaus P. Sedlazeck, Daniel Vollprecht, Wolfgang Öfner, Peter Müller, Robert Mischitz, Gero Frisch, Michael Schlömann, Simone Schopf, Roland Pomberger | **Recovery of Metals from Metallurgical Waste Waters**	Kevin Stevens, Katrin Hättig, Detlev Thies, Günter Schweigert, Jörg Mutterlose | **Diagenesis screening of fossil fish-teeth: Limits of cathodoluminescence-microscopy**	***Keynote:*** Imran A. Rahman | **Computational fluid dynamics and its applications in palaeontology**	Sophia Rütters, Raimon Tolosana-Delgado, Jens Gutzmer, Enrico Kallmeier | **Application of SEM-based quantitative mineralogical analysis in the development of proxies for provenance and transport mechanisms of modern stream sediments**
9h45-10h00		Katrin Böhm, Thomas Tütken, Regina Mertz-Kraus, Denis Fougerouse, Thorsten Geisler | **In vitro alteration of tooth enamel in isotope tracer solutions**	Jonas Schabernack, Andreas Luttge, Inna Kurganskaya | **Clay Mineral Growth: A Kinetic Monte Carlo Study**	El Hafid Bouougri, Hubertus Porada | **Diagnosis features for Interplay of microbial mats shrinkage and growth: An actualistic approach for biosignatures in rock record and Earth's early biosphere**	Semih Gürsu, S. Koksal, A. Möller | **A new petrogenetic model for late neoproterozoic granitoids and gabbroes in the Menderes Massif, Western Turkey: Implications for late-stage Cadomian magnatism in the Pan-African Mega-Cycle**		Laurence Warr, Carolin Podlech, G. Grathoff, S. Kaufhold | **The role of accessory minerals on the stability of the bentonite backfill**	Thomas Wotte, Christian B. Skovsted, Martin J. Whitehouse, Artem Kouchinsky | **A critical examination of bulk sample and in situ oxygen isotope analyses from phosphatic marine microfossils**	Stephan Lautenschlager, Imran A. Rahman | **Fossil Replicants - Integrating Preserved and Theoretical Morphologies in Biomechanical Analyses**	István Dunkl, Hilmar von Eynatten, Keno Lünsdorf, Sergio Andò, Andrew C. Morton | **What can we learn from the first interlaboratory round robin test for heavy mineral analysis?**
10h00-10h15		Michael Scheil, Frank Tomaschek, Paul Martin Sander, Markus Lagos, Torsten Geisler| **Age determation of fossil teeth and bones using the U-Pb decay system**	Roman B. Schmidt, Jörg Göttlicher, Ingrid Stober | **Sandstone-brine interaction and the formation of zeolites in experiments under geothermal conditions**	Manuel Reinhardt, Jan-Peter Duda, Martin Blumenberg, Christian Ostertag-Henning, Joachim Reitner, Christine Heim, Volker Thiel | **Tracing photic zone euxinia through time—implications from organic biomarker taphonomy**	Maud J.M. Meijers, Andreas Mulch, Gilles Y. Brocard, Michael A. Cosca, Christian Teyssier, Cor G. Langereis, Donna L. Whitney | **Late Miocene to Pliocene surface uplift of the Central Anatolian Plateau and its southern margin (Turkey)**		Christoph Lenting, Oliver Plümper, Matt Kilburn, Paul Guagliardo, Martina Klinkenberg, Thorsten Geisler | **Glass Corrosion: Towards a unifying mechanistic model**	Johanna C. Obert, Denis Scholz, Thomas Felis, Jörg Lippold, Klaus P. Jochum, Meinrat O. Andreae | **Improved constraints on U-series open-system processes in fossil reef corals by combined Th/U, Pa/U and Ra/Th dating: A case study from Aqaba, Jordan**	Carolin Haug | **Convergent evolution within malacostracan crustaceans, or how to transform a shrimp into a lobster**	Jan Schönig, Guido Meinhold, Hilmar von Eynatten, Nils Keno Lünsdorf | **Advances in garnet-single grain analysis: Mineral inclusions record HP/UHP provenance**
10h15-10h30		H. Jonas Barthel, Jes Rust | **Soft-tissue preservation of resin-embedded arthropods**	Armin Zeh, Alexandre Cabral, Nikola Koglin | **Rutile alteration and authigenic growth during fluid-rock interactions in metasandstones of the Moeda Formation, Minas Gerais, Brazil**	Michelle M. Gehringer, Achim Herrmann, Eva Stueeken | **Crustal weathering at the mineral:microbe interface: The effects of localised O2 whiffs and altered pH**	Gernold Zulauf, Wolfgang Dörr, Linda Marko, Jochen Krahl | **The Eo-Cimmerian evolution of the External Hellenides: Constraints from microfabrics and U-Pb detrital zircon ages of Upper Triassic (meta)sediments (Crete, Greece)**		F. Brandt, Philip Kegler, S. Lange, M. Klinkenberg, A. Bukaemskiy, G. Deismann, S. Finkeldei, E. V. Alekseev, D. Bosbach | **Synthesis and characteristics of chromium doped UO2-based model materials for single effect studies to understand the long-term matrix corrosion of spent nuclear fuels under disposal conditions**	Eric O. Walliser, Bernd R. Schöne | **Were giant inoceramids chemosymbiotic bivalves? - A sclerochronological point of view**	Rico Schellhorn | **Micro-computed tomography reveals head posture in Pleistocene rhinoceroses**	Nina Albrecht, Andreas Pack, Mark Thiemens, Xiaolin Zhang, Yunpei Gao, Yanan Shen | **High-precision measurement of $\delta^{17}O$ and $\delta^{18}O$ in cap carbonates and their siliciclastic component**
10h30-11h	Coffee break - exhibition									
11h-11h30							Opening Ceremony - Greetings: Rector of the University Prof. Michael Hoch & Greetings / Welcome words of the presidents of the societies			
11h30-12h30							Plenary Lecture: Prof. Dr. Maria McNamara (University College Cork, Ireland) "The integument of fossil vertebrates: evolution, physiology and behaviour"			
12h30-14h	LUNCH BREAK		DVGeo Council meeting 12:45 - 14 h at Senatssaal!							

14h-15h		**11c) Soft part preservation: The limits of the fossil record** | *Chair: Jes Rust & Koen Stein*	**16a) Fluid-rock interaction: from mechanisms to rates...** | *Chair: E. Schwarzenbach, R. Fonseca & O. Plümper*	**05e) Quaternary Geochronology and Earth Surface Processes** | *Chair: Silke Mechernich, Dominik Brill & Jan Blöthe*	**03b) The Eastern Mediterranean** | *Chair: Gernold Zulauf, Paris Xypolias & Timur Ustaömer*	**13a) Rock rheology, deformation transients, and the earthquake cycle** | *Chair: Livia Nardini & Bernhard Schuck*	**06b) Impact cratering throughout the solar system** | *Chair: Ulrich Riller & Michael Poelchau*	**13b) Geophysics and the new "Standortauswahlgesetz"** | *Chair: Christian Buecker*	**10g) Reconstructing the ecological roles of extinct organisms...** | *Chair: Joachim Haug*	**05b) Advanced techniques and case studies in sedimentary provenance analysis** | *Chair: M. Hinderer & T. McCann*
14h00-14h15		Bastian Mähler, Gabriele Kühl, Hans-Jürgen Ensikat, Natascha Kuhlmann, Jes Rust, Thorsten Geisler | **Experimental alteration of a carapace cuticle of Hemigrapsus takanoi (Decapoda: Varunidae)**	Richard Wirth, Jörn H. Kruhl, Luiz F.G. Morales, Anja Schreiber | **Partially open grain and phase boundaries as fluid pathways in magmatic and metamorphic rocks: new observations**	***Keynote:*** Tobias Lauer, Marcel Weiss | **Luminescence dating of Middle-Pleistocene glacial cycles and their implications for hominin presence in Germany**	Paris Xypolias, Nikolaos Gerogiannis, Eirini Aravadinou, Vasileios Chatzaras, Konstantinos Papapavlou, Dimitrios Spanos | **Deformation history of the Cycladic Blueschist unit (Greece)**	***Keynote:*** Baptiste Rousset, William Frank, Cecile Lasserre, Nikolai M. Shapiro, Roland Burgmann, Michel Campillo | **Deformations and the combined analysis of seismic and GPS weak signals**	Jörg Fritz | **Shower of extraterrestrial material onto the Earth-Moon system**	***Keynote:*** Michael Kühn, Oliver Heidbach | **Utilisation of the subsurface for the disposal of high-level radioactive waste**	Pascal Abel, Kenneth de Baets, Manuel Steinbauer | **Macroecological patterns in Paleozoic ammonoids**	Guido Meinhold, M. Perschl, M. Schröpfer, A. Steichert, J.O.R. Ebbestad, A.E. S. Högström, S. Jensen, T. Palacios, M. Høyberget, H. Agić, W.L. Taylor | **Composition and provenance of upper Neoproterozoic and Cambrian sediments from Finnmark, Arctic Norway: Insights from a multi-method approach on the Digermulen Peninsula**
14h15-14h30		Leif Moritz, Thomas Wesener | **99 my of morphological stasis in millipedes: CT scans, 3D-visualisation and gonopod reconstruction of a millipede family from Cretaceous Burmese amber (Diplopoda: Chordeumatida: Heterochordeumatidae)**	Florian Fusseis, Sina Marti, Berit Schwichtenberg, Ian Butler | **Coupling between deformation, dehydration and transport properties in evaporites**		Georg Löwe, Susanne Schneider, Kamil Ustaszewski | **Dating extensional deformation within an accretionary prism by means of Ar/Ar-in-situ geochronology**		Gerwin Wulf, Stefan Hergarten, Thomas Kenkmann | **Remote Sensing Analysis and Landscape Evolution Modeling of the Bosumtwi Impact Structure, Ghana: Indications for Ejecta Ramparts**		Kenneth De Baets, Christian Klug, Dieter Korn | **Exploring the limits of ammonoid morphospace**	Wolfgang Franke, Hermann Huckriede, Martin Salamon, Volker Wrede | **Zircons to the front: a 80 Ma record of foreland sedimentation in the Rheno-Hercynian Variscides**
14h30-14h45		**05c) Tectonics & Sedimentation - From Fractures to Basins** | *Chair: Tom McCann & Linda Prinz*	Francois X. Passelegue, Nicolas Brantut, Thomas Mitchell | **Do injection-rate control the onset of fault reactivation?**	Ariane Binnie, Tibor J. Dunai, Steven A. Binnie, Pia Victor, Gabriel González | **Evidence for the Early–Middle Pleistocene Transition in Northern Chile**	William B. F. Ryan | **Mediterranean Tectonics Unique to Its Salinity Crisis**	Boris Reznik, Leo Henrichs, Mario Walter, Frank Schilling | **Effect of laboratory high-temperature cyclic loading on magnetic properties and microstructure of magnetite from an iron ore**	Alexander Rocholl, Jean Pohl, Madelaine Böhme | **No isotopic dating needed: Pinning down the Ries meteorite impact at Nördlingen, South Germany, at 14.870 ± 0.005 Ma by solely geological tools**	Dirk J. Orlowsky, Bodo Lehmann | **Geophysikalische Untersuchungsmethoden für die Standortsuche**	Kai R. K. Jäger, Richard L. Cifelli, Thomas Martin | **Dental function, tooth morphology and occlusion in basal Triconodontidae**	Roland Nádaskay, Jiří Žák, Jiří Sláma, Tamara Sidorinová, Jaroslav Valečka | **Deciphering the late Paleozoic to Mesozoic tectonosedimentary evolution of the northern Bohemian Massif from detrital zircon geochronology and heavy mineral provenance**
14h45-15h00		Peter Klitzke, Dieter Franke, Rüdiger Lutz, Lutz Reinhardt, Axel Ehrhardt | **The Olga Basin in the northern Norwegian Barents Sea (Arctic) – a Caledonian or Timanian affinity?**	Jürgen Lang, Patrick A. Meere, Richard Unitt, Sean Johnson | **Vein-hosted Copper Deposits and Hydrothermal Processes of SW Ireland**	Joel Mohren, Steven A. Binnie, Damián A. López, Benedikt Ritter, Tibor J. Dunai | **Using cosmogenic nuclides to trace a steep climate gradient over a short distance in hyperarid northern Chile**		Lina Seybold, Claudia A. Trepmann | **Stress history during exhumation from HP-LT metamorphic conditions recorded by microstructures from an extensional shear zone in the Talea Ori, central Crete**	Susann Siegert, Lutz Hecht, Michael J. Branney | **Geochemical constraints on the formation and origin of melt-bearing impact breccias: The Ries impact structure example**	Frank R. Schilling, Birgit I.R. Müller | **How Deep is Deep Enough for a Safe Repository?**	Anneke H. van Heteren, L. R. Tsang, Peter Ross, J. A. Ledogar, M. R.G. Attard, D. Sustaita, P. Clausen, P. Scofield, S. Wroe, G. Sansalone | **Geometric morphometrics and finite element analyses reveal the Haast's eagle (Harpagornis moorei) to be a mixed predator-scavenger**	Pierre Müller, A. Langone, M. Patacci, A. Di Giulio | **The role of the lower plate in providing provenance during Alpine convergence inception: Insights from detrital signatures of the Western Ligurian Flysch accretionary complex**
15h-15h30	**Coffee break - exhibition**									
15h30-16h30		**05c) Tectonics & Sedimentation - From Fractures to Basins** | *Chair: Tom McCann & Linda Prinz*	**16a) Fluid-rock interaction: from mechanisms to rates...** | *Chair: E. Schwarzenbach, R. Fonseca & O. Plümper*	**05e) Quaternary Geochronology and Earth Surface Processes** | *Chair: Silke Mechernich, Dominik Brill & Jan Blöthe*		**13a) Rock rheology, deformation transients, and the earthquake cycle** | *Chair: Livia Nardini & Bernhard Schuck*	**06b) Impact cratering throughout the solar system** | *Chair: Ulrich Riller & Michael Poelchau*	**13b) Geophysics and the new "Standortauswahlgesetz"** | *Chair: Christian Buecker*	**12a) Reconstructing lost worlds - applications of microfossils** | *Chair: Anna Pint & Patrick Grunert*	
15h30-15h45		Thomas Voigt, Benjamin Leipold, Robert Scheuer, Istvan Dunkl | **Late Eocene start of Cenozoic Deformation in the Central Tien Shan – evidence form the western Ili Basin (Kazakhstan)**	***Keynote:*** Sarah Incel, Loïc Labrousse, Nadège Hilairet, Timm John, Julien Gasc, Feng Shi, Yanbin Wang, Torgeir B. Andersen, François Renard, Bjørn Jamtveit, Alexandre Schubnel | **Reaction-induced faulting in granulite causes earthquakes in the lower continental crust**	Thomas Mann, André Wizemann, Paul S. Kench, Jamaluddin Jompa, Hildegard Westphal | **Chronological reconstruction of reef island formation in the Spermonde Archipelago, Indonesia**		Francois X. Passelegue, Alexandre Schubnel, Giulio DiToro | **From Fault Creep to Slow and Fast Earthquakes in Carbonates**	Ulrich Riller, Stephani Teuber | **Viscous relaxation of crust underlying large terrestrial impact craters: Evidence from the Sudbury Impact Structure, Canada, and analogue experiments**	Thomas Burschil, Hermann Buness, David C. Tanner, Helga Wiederhold, Gerald Gabriel | **Shallow high-resolution seismic studies of glacial buried structures**	***Keynote:*** Gerhard Schmiedl | **Applicability of benthic foraminifera in marine paleoclimate research**	
15h45-16h00		Philippos Garefalakis, Fritz Schlunegger | **Tectonic controls on the Burdigalian transgression of the Upper Marine Molasse inferred from the stratigraphic architecture**		Rasmus C. Thiede, B. Bookhagen, D. Scherler, S. Dey, P. Eugster, M. Nennewitz, E. Sobel, K. Stübner, R. Arrowsmith, V. Jain, M. Strecker | **Fault activity, tectonic segmentation, and deformation patterns in the western Himalaya on geological timescales inferred from landscape morphology and thermochronology – a summary**		Felix M. Schulte, Ulrich Riller | **Dynamics and solidification of different impact melt zones during peak-ring formation of the Chicxulub crater, Mexico**	Kristof M. Schuster | **In-situ rock characterization with Mini-Seismic Methods in underground facilities**		
16h00-16h15		Sandra Franke, Matthias Franz | **The discontinuous Lower Cretaceous of NE Germany: The missing link of Late Cimmerian Unconformity and Late Cretaceous inversion?**	Ramon Reifenröther, Carsten Münker, Birgit Scheibner | **Evidence for selective tungsten enrichment in different sections of altered oceanic crust**	Gösta Hoffmann, Alina Ermertz | **Geomorphological, archeological and geological evidence for neotectonic activity on a passive continental margin (Oman)**			Jens O. Ormö, S. P. S. Gulick, M. T. Whalen, K. Goto, D. T. King. Jr., E. Sturkell, J. V. Morgan | **GRADED SUEVITE IN THE IODP-ICDP EXPEDITION 364 CHICXULUB M0077 CORE: CLUES TO CRATER MODIFICATION AND MATERIAL TRANSPORT**	Sven Fuchs, Andrea Förster | **Thermal characterization of potential nuclear waste repository locations: a multi-disciplinary and multi-scale approach**	Pratul K. Saraswati | **Oxygen isotopes and Mg/Ca of larger benthic foraminifera: Potentials and pitfalls**	
16h15-16h30		Jashar Arfai, Gesa Kuhlmann, Christoph Gaedicke | **Iceberg scour marks in the northwestern offshore Germany**	Alok Chaudhari, Joël Brugger, Andrew Frierdich, Rahul Ram, Barbara Etschmann | **Fluid-rock reactions in the Cu-S system: an experimental investigation of the mineral replacement of chalcopyrite by chalcocite**							
16h30-17h00	**Poster Social: 16:30-18:00 h -> Sessions: 2c, 5b, 5c, 5e, 6b, 9a, 12a, 13a, 13b, 14a, 16a, 16b, 16c, 17a**									
17h00-18h00					**Vorstandssitzung DGGV: 17-18:30 h at Senatssaal**					
18h00-19h00								**17.30-18.30 h DMG Member Meeting**		
18:30h-20h							**Public evening lecture: Prof. Dr. Mojib Latif (GEOMAR, Kiel) | Herausforderung Klimawandel**			

TUESDAY, 4.09.2018

8h00	**Registration**										
8h30-9h30		**02a) InterRidge: Multidisciplinary research on oceanic ridges** | *Chair: Philipp Brandl & Jürgen Koepke*	**16a) Fluid-rock interaction: from mechanisms to rates...** | *Chair: E. Schwarzenbach, R. Fonseca & O. Plümper*	**01c) Evolution of the Early Earth's mantle-crust and ocean-atmosphere systems** | *Chair: A. Zeh, E. Hoffmann, S. Weyer & F. Kurzweil*				**06b) Impact cratering throughout the solar system** | *Chair: Ulrich Riller & Michael Poelchau*	**14a) Computational geosciences** | *Chair: Mario Valdivia-Manchego, Gösta Hoffmann & Mathias Knaak*	**12a) Reconstructing lost worlds - applications of microfossils** | *Chair: Anna Pint & Patrick Grunert*	
8h30-8h45		Juergen Koepke, D. Garbe-Schönberg, T. Mueller, S. Müller, D. Mock, H. Strauss, S. Schuth, B. Ildefonse | **Wadi Gideah (Sumail Ophiolite, Sultanate Oman): A reference section through the lower fast-spreading oceanic crust**	Johannes Stefanski, Sandro Jahn | **Rare earth element speciation in aqueous brines under subduction zone conditions: Ab-initio molecular dynamics simulations and free energy exploration**	***Keynote:*** Vinciane Debaille, Camille Francois, Emmanuelle Javaux, Craig O'Neill, Alan D. Brandon | **Archean geodynamics and the onset of plate tectonics**				Lidia Pittarello, Ludovic Ferrière, Gordon R. Osinski | **Preferred orientation of shock-induced microstructures in quartz and feldspar grains as marker for shock wave propagation direction**	***Keynote:*** Tobias Kurz | **State of the art 2D-3D geospatial methods for surface modelling and characterisation in the geosciences**	Dipankar Buragohain, Puja Das, Anupam Ghosh | **A comparative study of the recent benthic foraminiferal assemblages in the east and west coast of India**	
8h45-9h00		Dominik Mock, B. Ildefonse, D. Garbe-Schönberg, S. Müller, K. Faak, O. Namur, J. Koepke | **What Causes the Layering of Gabbros? – A Microanalytical and Microstructural Investigation on the Layering of two Gabbro Sections in the Oman Ophiolite**	Elisabete T. Pedrosa, Cornelius Fischer, Andreas Lüttge | **Rate dissolution variability of sandstone calcite cement**					Kathryn H. Harriss, Mark Burchell | **Shock pressure experiments on single silicate minerals**		Ishita Das, Sucheta Das, Anupam Ghosh | **Analogy in benthic foraminiferal assemblages between northern and southern regions of the Indian Sunderbans**	
9h00-9h15		Samuel J. Müller, B. Zihlmann, D. Garbe-Schönberg, D.A.H. Teagle, J. Koepke | **Mass transfer at hydrothermal fault zones in the lower oceanic crust: An example from Wadi Gideah, Samail ophiolite, Oman**	Mathias Peter, Inna Kurganskaya, Andreas Lüttge | **Feldspar surface evolution during solid-fluid reactions - a Kinetic Monte Carlo Study**	J. Elis Hoffmann, Emmanuel Musese, Patrick Ganz, Alfred Kröner, Carsten Münker, | **Hf-Nd-Os isotopic and trace element constraints on the magmatic history of the ca. 3.46 Ga Dwalile**				Michael Poelchau, Thomas Kenkmann, Rebecca Winkler | **Shock deformation in Calcite: Results from Impact Cratering Experiments into Marble**	Lena Merz, Uwe Baier, Christoph Hilgers | **Application of 3D outcrop data in reservoir geology on the examples of fractured carbonates in the Upper Rhine Graben**	Patrick Grunert, Ángela García Gallardo, Antje H.L. Voelker, Isabel Mendes, Werner E. Piller | **Re-evaluation of benthic foraminifera as indicators of bottom current strength**	
9h15-9h30		Dominic Wölki, M. Regelous, K. Haase, C. Beier | **The orientation of the paleo-subduction zone beneath the Troodos Ophiolite**	Ricarda D. Rohlfs, Andreas Luttge | **Dissolution Kinetics near Etch Pits – a Kinetic Monte Carlo Study**	Stefan T.M. Peters, Andreas Pack | **>2.74 Ga meteoric waters recorded in triple O isotope compositions of metamorphic peridotites**				Amar Agarwal, Michael Poelchau, Thomas Kenkmann | **Plaeostress and final strain estimation in experimental impact crater: clues to shock wave behavior**	Felix Hofmayer, Bettina Reichenbacher | **Spatial reconstruction of the Burdigalian (early Miocene) depositional history in Bavaria (eastern North Alpine Foreland Basin)**	Anne Förster, Olaf Elicki | **Benthic and planktic foraminiferal morphogroups from the pre-Messinian of Sardinia and Sicily – significance for palaeoecological reconstructions**	
9h30-10h	**Coffee break - exhibition**										
10h-11h15		**02a) InterRidge: Multidisciplinary research on oceanic ridges** | *Chair: Philipp Brandl & Jürgen Koepke*	**16c) Subduction zone input, processes and output** | *Chair: Horst Marschall*	**01c) Evolution of the Early Earth's mantle-crust and ocean-atmosphere systems** | *Chair: A. Zeh, E. Hoffmann, S. Weyer & F. Kurzweil*	**03c) The Alpine-Mediterranean chain - looking from surface to depth...** | *Chair: Leni Scheck-Wenderoth*	**05f) Integrated chemostratigraphy and applications** | *Chair: André Bornemann*	**10c,e) Part 1: Bone histology** | *Chair: Dorota Konietzko-Meier & Dawid Surmik*	**14a) Computational geosciences** | *Chair: Mario Valdivia-Manchego, Gösta Hoffmann & Mathias Knaak*	**12a) Reconstructing lost worlds - applications of microfossils** | *Chair: Anna Pint & Patrick Grunert*	**08e) New Insights into the Quaternary Vegetation and Climate History** | *Chair: S. Stolzenberger, A. Miebach & N. Pickarski*
10h00-10h15		Philipp A. Brandl, Christoph Beier, Lars H. Rüpke, Karsten M. Haase, Colin W. Devey, Marcel Regelous, Folkmar Hauff | **The Foundation-PAR plume-ridge interaction: constraints on competing forces and the structure of oceanic lithosphere**	Oliver Plümper, Chayenne Janssen, David Wallis, Markus Ohl, Helen E. King, Marco Scambelluri | **Syntectonic serpentinite dehydration within subduction zones**	Julia van de Löcht, Carsten Münker, J. Elis Hoffmann, Peter Sprung, Minik T. Rosing | **Earth's oldest mantle peridotites may originate from a supra-subduction zone setting**	Peter Biermanns, Benjamin Schmitz, Janis Pingel, Kamil Ustaszewski, Kujtim Onuzi, Klaus Reicherter | **Dry valley race: What geomorphology tells us about active deformation in the Adria-Eurasia collision zone**	Alena Ebinghaus, David Jolley, David Kemp | **A high-resolution continental case study of orbital and solar forced environmental changes during the Early Danian Dan-C2 hyperthermal**	***Keynote:*** Koen HW Stein | **Black beauties: histology and geochemistry of Iguanodon bernissartensis from the Early Cretaceous of Bernissart, Belgium**	Julia Onneken, Mareike Henneberg, Detlef Schlüter | **3D models of internal structures in Rotliegend-Zechstein salt structures in the Glückstadt Graben, Northern Germany**	Mike Reich, Bork Ilsemann, Manfred Kutscher, Tanja R. Stegemann | **Infaunal sea cucumbers (Echinodermata: Holothuroidea) from the Jurassic of Europe**	Dominik Schmitt, Eberhard Gischler, Flavio Anselmetti, Hendrik Vogel | **The late Holocene, high-resolution storm and climate archive of the Blue Hole, Lighthouse Reef, Belize (Central America)**
10h15-10h30		Guillaume Jacques, Henrike Franke, Ulrich Schwarz-Schampera, Folkmar Hauff | **Major, trace element and Sr-Nd-Hf-Pb isotopic compositions of basalts from the southern Central Indian Ridge and the Rodrigues Triple Junction**	Christian Soder, Michael Burchard, Thomas Ludwig, Johannes Grimm | **Melting of felsic continental crust at mantle depth: experimental constraints and implications for ultrapotassic magmatism**	Jonas Tusch, Mike Jansen, Chris S. Marien | **Tungsten isotope systematics in rocks from the Pilbara Craton, Australia**	Cameron Spooner, Magdalena Scheck-Wenderoth, Judith Sippel, Hans-Jürgen Götze, Jörg Ebbing, Josef Sebera, György Hetényi | **3D Structural Model – Preliminary results from a gravity constrained model of the Alps**	Roland Nádaskay, Yulia V. Kochergina, Stanislav Čech, Lilian Švábenická, Jaroslav Valečka, Bohuslava Čejková | **Integrated stratigraphy of an offshore environment influenced by intense siliciclastic supply: implications for Coniacian tectonosedimentary evolution of the West Sudetic area (NW Bohemian Cretaceous Basin, Czech Republic)**		Tatjana Kühnlenz, Herbert Kunz, Jörg Hammer, Sandra Fahland, Matthias Beushausen, Detlef Schlüter | **Transfer of geological 3D models into numerical models**	Hathaithip Thassanapak, Mongkol Udchachon, Jirasak Chareonmit, Clive Burrett | **Early Permian radiolarians from Phi Phi Island, Southern Thailand**	Valeska Decker, Susanne Lindauer, Jessica Landgraf, Gösta Hoffmann | **Paleolagoonal archives along the Arabian Sea reveal Holocene climate and sea-level variability**
10h30-10h45		Vera Schlindwein, Frank Krüger, Florian Schmid, Mechita Schmidt-Aursch, Wojciech Czuba, Tomasz Janik | **KNIPAS – exploring active seafloor spreading processes at segment-scale**	Sebastian Weber | **Fluid-driven transformation of glaucophanite to an omphacite-vein assemblage under near peak conditions in the continental crust, Mt. Emilius, Italian Western Alps**	Jochen Kolb, Annika Dziggel | **Why are hypozonal orogenic gold deposits restricted to Precambrian orogens?**	Ruth Keppler, Michael Stipp, Michael J. Schmidtke, Jacek Kossak, Nikolaus Froitzheim | **Modeled average elastic anisotropies of upper and lower crustal units in the Alps using crystallographic preferred orientations of rocks of the Adula Nappe (Switzerland) and the Ivrea Zone (Italy)**	Hauke Thöle, Ulrich Heimhofer, André Bornemann, Jochen Erbacher, Friedrich W. Luppold | **The use of XRF chemostratigraphy to develop a sequence stratigraphic framework for the mudstone-dominated Lower Cretaceous succession in the eastern Lower Saxony Basin, Northern Germany**	Elzbieta M. Teschner, Dorota Konietzko-Meier | **Comparison of Metoposaurus-bearing localities – how can paleohistology help us to understand fossil ecosystems**	Marco Wolf, Heidrun Louise Stück, Fabian Jähne-Klingberg | **Salt structure modelling in the central German North Sea: An approach to geological consistent 3D models**	Mongkol Udchachon, Hathaithip Thassanapak, Clive Burrett | **Reworked conodonts from the Lower Permian carbonate turbidites in the Inthanon Terrane, Northern Thailand and their tectonic significance**	Igor Obreht, L. Wörmer, S. Alfken, J. Wendt, M. Elvert, J. S. Lipp, V. B. Heuer, H. Taubner, P. L. Buttigieg, K.-U. Hinrichs | **Zooming into inter-annual climatic variations from marine and lacustrine sediments: presenting a novel approach in ultra-high-resolution lipid biomarker-based paleoclimate research**
10h45-11h00		Florian Schmid, Maike Peters, Maren Walter, Jürgen Sültenfuß, Colin Devey | **Hydrothermal plumes and δ3He anomalies above the Southern Mid-Atlantic Ridge (13°-33°S) indicating previously unknown active vent sites**	Simona Ferrando, Maria L. Frezzotti, Maurizio Petrelli | **Slab-derived supercritical fluids: trace-element evolution and diagnostic fractionations**	Christoph Heubeck, BASE Team | **The ICDP BASE Project: Barberton Archean Surface Environments**	Michael J. Schmidtke, Ruth Keppler, Nikolaus Froitzheim, Michael Stipp | **Calculating elastic anisotropies of rocks from oceanic and continental crust and the upper mantle from the Western Alps**	Markus Wilmsen, Vachik Hairapetian, Amir Ahmadi, Ziba Shojaei, Michaela Berensmeier, Mahmoud Reza Majidifard | **Integrated stratigraphic dissection of the Upper Albian to Lower Turonian of Esfahan (Iran): elucidating the enigma of the Glauconitic Limestone**	Dorota Konietzko-Meier, P. Martin Sander, Tanja Wintrich | **Did Stereospondyli undergo metamorphosis? A mystery signal visible in histology of large temnospondyl humerus from the Rhaetian (late Triassic) of Bonenburg (Westphalia, Germany)**	Elnaz Raghami, Christoph Schrank, Jörn H. Kruhl | **3D modelling of the effect of thermal-elastic stress on grain-boundary opening in quartz grain aggregates**	Anna Saupe, Sven Hartenfels, Ralph T. Becker | **Biofacies analysis of agglutinated foraminifers along an Upper Devonian transect from Central Europe to North Africa**	Tobias Fischer, Andreas Koutsodendris, André Bahr, Jörg Pross | **Climate dynamics during Marine Isotope Stage 19 in Tenaghi Philippon (NE Greece)**
11h00-11h15		Lucy Schlicht, Eoghan Reeves, Adam Schaen, Simone Kasemann, Anette Meixner, Wolfgang Bach | **Boron systematics of vent fluids from peridotite-hosted hydrothermal systems**	Raúl O. C. Fonseca, Lina T. Michely, Maria Kirchenbaur, Felipe P. Leitzke, Chris S. Marien, Renat Almeev, Axel Gerdes | **Macroscopic globules in glasses from the Izu-Bonin-Mariana fore-arc as a record of silicate melt-fluid exsolution during subduction initiation**	Chris S. Marien, Sebastian Viehmann, Axel Gerdes, Jonas Tusch, Martin Julian van Kranendonk, Carsten Münker | **Pristine 87Sr/86Sr isotope compositions of Paleo- and Mesoarchean seawater inferred from carbonate interstitials in pillow lavas from the Pilbara Craton, Western Australia**	Christoph Grützner | **Active faulting in the eastern Southern Alps-Dinarides – insights from field studies, geophysics, and high-resolution topography data**	Michaela Berensmeier, Bettina Dölling, Christian Linnert, Markus Wilmsen | **The challenge of correlating condensed and patchy sections by using a multi-approach method: Integrated results from Upper Cretaceous epicontinental shelf (Münsterland Cretaceous Basin, Germany)**	Xaver Donhauser, Nicole Klein, P. Martin Sander | **Bone histology and growth record of the first juvenile individuals of Plateosaurus engelhardti**			Iuliana Vasiliev, Angelica Feurdean, Gert-Jan Reichart, Andreas Mulch | **Onset of continentalisation in the circum-Black Sea region during the latest Miocene: a multiproxy approach**
11h15-11h30											
11h30-12h30							**Plenary Lecture: Prof. Balz Kamber (Trinity College Dublin, Ireland) "Deep Earth controls over the surface environment on the early Earth"**				
12h30-14h00	**LUNCH BREAK**								**AK Mikropaläontologie**		

14h-15h		03a) "Investigating mountains with a microscope" | *Chair: Silvio Ferrero*	17a) Young Scientist Session | *Chair: Iris Arndt, Marko Hornschu & Michaela Spiske*	01a) Cosmochemistry - from dust to planets | *Chair: Stefan Peters & Mario Fischer-Gödde*	06a) Natural Hazards: earthquakes, tsunamis, landslides | *Chairs: C. Grützner & S. Mechernich*	07c) Minerals and Materials: Properties and Structures | *Chair: Jürgen Schreuer & Nasser Hbib*	10c,e) Part 2: Tetrapod locomotion | *Chair: J. N. Lallensack & Michael Buchwitz*	09d) Magmatic Ore Deposits | *Chair: Malte Junge, Felix Kaufmann & Lennart Fischer*	02c) Fifty Years with Plate Tectonics | *Chair: Anke Friedrich & Thorsten Nagel*	08a) Groundwater and climate change | *Chair: Christoph Neukum & Traugott Scheytt*
14h00-14h15		***Keynote:*** Matthias Konrad-Schmolke | **From orogen to atomprobe – Micro-geochemical investigations of disequilibrium textures to reveal geodynamic processes**	Roman L. de Giorgi, Jes Rust | **Synecological studies of the Lower Devonian Hunsrück Slate Fauna**	Ninja Braukmüller, Frank Wombacher, Carsten Münker | **A hockeystick volatile element depletion pattern for the Earth**	Jorien L. N. van der Wal, Veit C. Nottebaum, Klaus Reicherter, Georg Stauch, Christopher Weismüller, Frank Lehmkuhl | **Neotectonics along the Bogd Fault Zone, SW Mongolia - Effects on the evolution of the Orog Nuur (Lake) Basin?**	Ahmed Gadelmawla, Iris Spiess, Johannes Birkenstock, Michael Fischer, Reinhard X. Fischer | **In-Situ Characterization and Thermal Decomposition Behavior of Ammonium-Exchanged Chabazites**	Aurore Canoville, Lindsay E. Zanno, Mary H. Schweitzer | **New data on avian medullary bone – implications for the identification of homologous tissues in extinct archosaurs**	***Keynote:*** Thomas Aiglsperger, Joaquín Proenza, Francisco Longo | **Mobilization of platinum-group elements and the neoformation of platinum-group minerals under supergene conditions**	Hilmar von Eynatten, István Dunkl, Veit-Enno Hoffmann, Annemarie Simon, Jonas Kley | **Mesozoic-Cenozoic exhumation and uplift in Central Europe – part I: spatial extent, pattern, magnitude and timing**	***Keynote:*** Richard Taylor | **Groundwater in a warming world: the impact of changing climate extremes**
14h15-14h30			Christine G. Grabatin, Jes Rust, Jan A. Rasmussen, Henrik Madsen | **Early evolution and palaeobiology of pygmy grasshoppers (Orthoptera: Tetrigidae) with the description of new genera and species**	Dennis Harries, Moritz Barth, Falko Langenhorst | **Extreme nebular nitrogen processing documented by iron nitride in Acfer 094?**	Mike Oliver Frenken, Piero Bellanova, Jan Schwarzbauer, Klaus Reicherter | **Organic-geochemical investigation of far-field tsunami deposits of Hawai'i**	Stephan Lenz, Johannes Birkenstock, Lennart A. Fischer, Hartmut Schneider, Reinhard X. Fischer | **"Sillimullite" – a new mineral species intermediate between sillimanite and mullite**	***Keynote:*** Holger Preuschoft | **Locomotion on limbs**		Jonas Kley, Fabian Jähne-Klingberg, Hilmar von Eynatten, István Dunkl | **Mesozoic-Cenozoic exhumation and uplift in Central Europe – part II: mechanisms and diagnostic criteria**	
14h30-14h45		Leo Millonig, Axel Gerdes, Richard Albert, J.J. Ague, Dov Avigad | **In-situ U-Th-Pb dating of metamorphic garnet, staurolite and accessory phases**	Christoph K. Steinhoff, Nadine Pickarski, Thomas Litt | **14C AMS dating of enriched pollen samples – Flow Cytometry as an optimized purification application**	Christian Vollmer, Jan Leitner, Demie Kepaptsoglou, Quentin M. Ramasse, Peter Hoppe | **Iron Oxidation State of Amorphous Silicates and Functional Chemistry of Organic Matter in the Pristine Carbonaceous Chondrite Maribo**	Piero Bellanova, Denis Jarmulkowicz, Christina Eickers, Mike Frenken, Tamer Gökdemir, Naomi Fischer, Jan Schwarzbauer, Klaus Reicherter | **Organic-geochemical characteristics of 2011 Tohoku-Oki tsunami deposits in northern Japan**	Kerstin Stange, Johannes Kehren, Nadine Böhme, Sinje Zimmer, Thorsten Geisler | **In situ Hyperspectral Raman Imaging: A new Method to investigate Solid-Solid Reactions in Ceramic Materials during Firing**		Tom Járóka, Thomas Seifert, Jörg A. Pfänder, Sebastian Staude, Henning V.L. Seibel, Joachim Krause, Matthias E. Bauer | **Insights into geology and genesis of the Angstberg intrusive body and its associated Ni-Cu-(PGE) sulfide mineralization (Lusatian Block, Northern Bohemian Massif, Germany)**	Florian Kurzweil, Carsten Münker, Ronny Schoenberg | **The stable tungsten isotope composition of modern igneous reservoirs**	Carina Furusho, Klaus Goergen, Jessica Keune, Ketan Kulkarni, Bibi Naz, Wendy Sharples, Stefan Kollet | **A groundwater climatology over Europe applying the Terrestrial Systems Modeling Platform, TerrSysMP**
14h45-15h00		Tao Peng, Axel Gerdes, Richard Albert, Leo Millonig, Linda Marko, L.S. Zeng, C.M. Wu | **In-situ LA-ICP-MS U-Th-Pb monazite dating of metapelites from Namche Barwa area, Eastern Tibet, China**	Anna-Lena Zocher, Dennis Krämer, Gila Merschel, Michael Bau | **Element distribution including rare earth elements and yttrium in fruit bodies of the bolete mushroom Suillus luteus**	Ramakant Mahajan, Amit Basu Sarbadhikari, M. S. Sisodia | **Multiple impactors on Asteroid Vesta: noble gas and nitrogen study in the grain separates of Lohawat howardite**	Michaela Spiske, Jessica Pilarczyk, Stephen Mitchell, Robert Halley | **Sedimentary and erosional evidence of hurricane Irma on the British Virgin Islands**	Kirsten Schulze, Tiziana Boffa Ballaran, Martha G. Pamato, Alexander Kurnosov, Konstantin Glazyrin, Anna Pakhomova, Hauke Marquardt | **A high-pressure structural analysis of AlSiO3OH Phase Egg**	Maren Jansen, Michael Buchwitz, Johan Renaudie, Sebastian Voigt | **Reconstruction of an ancestral amniote trackmaker based on trackway data, track-trackmaker correlation and phylogeny**	Melanie Lorenz, Uwe Altenberger, Robert Trumbull, Raúl Lira, Nicolas Viñas, Mónica G. López de Luchi | **An unusual Fluorbritholite-(Ce)-rich REE deposit in a fenite body of Devonian granites, Central Argentina**	Jacob Geersen | **A comparison of lower plate structure and morphology in subduction-zone segments affected by tsunami earthquakes**	Christina Hölbling, Stefan Broda, Peter Chifflard, Dorthe Pflanz, Jörg Reichling | **Assessing Groundwater vulnerability to climate change using an index based approach**
15h-15h30	**Coffee break - exhibition**									
15h30-16h45		**03a) "Investigating mountains with a microscope" |** *Chair: Silvio Ferrero*	**17a) Young Scientist Session |** *Chair: Iris Arndt, Marko Hornschu & Michaela Spiske*	**01a) Cosmochemistry - from dust to planets |** *Chair: Stefan Peters & Mario Fischer-Gödde*	**06a/c) Sea-level fluctuations over time – Sea-level index points and dating approaches |** *Chair: M. Seelinger & A. Pint*	**07c) Minerals and Materials: Properties and Structures |** *Chair: Jürgen Schreuer & Nasser Hbib*	**10c,e) Part 2: Tetrapod locomotion |** *Chair: J. N. Lallensack & Michael Buchwitz*	**09d) Magmatic Ore Deposits |** *Chair: Malte Junge, Felix Kaufmann & Lennart Fischer*	**02c) Fifty Years with Plate Tectonics |** *Chair: Anke Friedrich & Thorsten Nagel*	**08a) Groundwater and climate change |** *Chair: Christoph Neukum & Traugott Scheytt*
15h30-15h45		***DGGV Eugen Seibold Medal Lecture:*** Michael Stipp | **Paleopiezometry: A powerful tool for stress measurements in the Earth's crust and mantle**	Katrin Hättig, G. Sondej, C. Kulmann, S. Gac Caceres, J. Blumenkamp, N. Kunst, J. Hartmann, N. Kipry, K. Menken-Siemers, D. Rippberger | **Foraminifera rocket experiment - Biomineralization research in space: Limits and challenges**	***DMG Goldschmidt Medal Lecture:*** Christoph Burkhardt | **Isotope anomalies - a Rosetta stone for deciphering planetary genetics and the solar system's dynamic evolution**	***Keynote:*** Jens E. Wendler, Ines Wendler | **Orbital forcing of the hydrological cycle and sea-level during greenhouse climate: The importance of aquifer-eustasy**	Nadine Böhme, Kerstin Stange, Thorsten Geisler-Wierwille, Markus Neuroth | **High-temperature reactions in the anhydrite-quartz system studied by in situ hyperspectral Raman imaging**	Michael Buchwitz, Maren Jansen, Sebastian Voigt | **Functional inference from along-track variation in Late Palaeozoic tetrapod trackways**	Sönke Brandt, Reiner Klemd, Karsten Haase | **Magmatic formation and hydrothermal overprint of the Vergenoeg fluorite deposit, South Africa**	***DGGV Gustav-Steinmann Medal Lecture:*** Kai Hoernle, Folkmar Hauff, Stephan Homrighausen, Joana Rohde, Antje Dürkefälden, Reinhard Werner, Jörg Geldmacher, Maxim Portnyagin, Dieter Garbe-Schönberg, Paul van den Bogaard, Jo-Anne Wartho | **New Developments in Understanding the Origin of South Atlantic Intraplate Volcanism (Tristan-Gough-Walvis, Discovery and Shona volcanic tracks)**	Alexandra Hellwig, Silke Voigt, Andreas Mulch, Konstantin Frisch, Axel Gerdes, Thomas Voigt | **Paleoenvironmental and climatic implications of Oligocene–Miocene semi-arid paleosols from Kazakhstan**
15h45-16h00			Marc Johnen, Holger Seher, Torben Weyand, Andreas Artmann | **Modelling the transport behaviour of contaminants potentially released by decommissioning wastes deposited on generic landfills to the groundwater, using the transport code SPRING**			Markus Neuroth, Matthias Dohrn, Michael Schüngel, Peter Lokay | **Kontrolle der Belagsbildung bei der Verfeuerung rheinischer Braunkohlen in Kraftwerkskesseln**	Jens N. Lallensack, Thomas Engler, H. Jonas Barthel | **Inferring function from footprint shape in tridactyl dinosaurs**	Lisa Richter, Larryn Diamond | **Metal-bearing brines in tonalites in the Oman ophiolite and their relation to VMS deposits**		Alireza Nikbakht Shahbazi, Hamidreza Majedi, Fatemeh Hassani | **Multipurpose simulations underground dam scenario in order to revitalize the aquifer and optimize the balance in drought conditions**
16h00-16h15		Stefano De Bernardi, Simona Ferrando, Alessandro Decarlis, Alessandro Borghi, Gianreto Manatschal | **Evidence for post-Variscan partial melting of amphibolites in the Strona-Ceneri Border Zone (Lago d'Orta, northern Italy)**	Tobias Hens, Joël Brugger, Andrew Frierdich | **Dynamic Mineral Recrystallization – Unlocking critical metals from deep-sea ferromanganese nodules and crusts**	Alessandro Bragagni, Frank Wombacher, Maria Kirchenbaur, Ninja Braukmüller, Bo-Magnus Elfers, Carsten Münker | **In search of nucleosynthetic Sn anomalies in chondrites**	Thomas Lorscheid, Alessio Rovere | **Ex-situ quantification of sea-level index points and its use in the reassessment of the last interglacial sea-level database**	Nasser Hbib, Georg Nover | **The Werkendam drillings: A natural analogue for rock interaction with supercritical carbon dioxide scCO2 and correlated changes of petrophysical properties**		Qasid Ahmad, Clifford G.C. Patten, Jochen Kolb, Stephanos P. Kilias, Yann Lahaye, Iain Pitcairn | **The source of metals in the recent polymetallic sea-floor massive sulfide mineralization at the Kolumbo arc-volcano, Greece**	***Keynote:*** Hans-Peter Bunge | **tba**	
16h15-16h30		Lars Erpel | **Regional pyroxene hornfels overprint in Variscan rocks - short lived melting events deduced from diffusion modelling in garnet**	Matthias Krug, Burkhard Schmidt | **Raman spectroscopy as a tool for determining the chemical composition of plagioclase minerals**	Maxwell Marzban Thiemens, Peter Sprung, Raúl O.C. Fonseca, Felipe P. Leitzke, Carsten Münker | **Hf/W implications for an old Moon**	Michaela Falkenroth, Bastian Schneider, Gösta Hoffmann | **Increasing the accuracy of beach rocks as sea level indicators by sedimentological facies analysis**	Reinhard X. Fischer, Manfred Burianek, Robert D. Shannon | **POLARIO, a computer program for calculating refractive indices from chemical compositions**		Clifford Patten, Iain Pitcairn | **Au-rich VMS mineralisation at ODP Hole 786B: evidence for magmatic input in the hydrothermal system**		
16h30-16h45		Bernhard Schulz, Joachim Krause | **Petrochronology of kinzigites in the Variscan Saxonian Granulite Massif by electron microprobe analysis and electron microscopy**	Marcjanna Jędrych, Barbara Woronko, Dorota Chmielowska, Irena Tsermegas | **Sources of the Saharan dust in Greece**	Mario Fischer-Gödde, Bo-Magnus Elfers, Carsten Münker, Wolfgang Maier, Kristoffer Szilas, Hugh Smithies, Tomoaki Morishita | **The search for volatile-rich building blocks in the Archean mantle**	Friederike Bungenstock, Martina Karle | **Holocene sea level and landscape reconstruction of the East Frisian Penninsula/Southern North Sea - a base to investigate coastal archives**			Björn Bethge, M. Marks, M. Nowak | **An experimental study on pyrrhotite, galena, sphalerite and chalkopyrite stability in peralkaline iron-rich melts: the influence on melt evolution and trace element partitioning**	Ulrich A. Glasmacher, Hans-Peter Bunge, Anke M. Friedrich | **MOVE-ON: Models and Observations of Vertical Material Flow on the lithosphere with an open invitation to participate in the cooperative scientific meeting (Rundgespräch) to initiate the DFG Priority Programme Initiative "Move-On" (Fulda, 02.10.2018 – 05.10.2018)**	
16h45-18h00	**Poster Social: 16:45-18:15 h -> Sessions: 1a, 1b, 1c, 2a, 3a, 3b, 3c, 5f, 6a, 7c, 8a, 8e, 9d, 10c-e, 10g, 11b, 11c, 15a**									
18h00-18h15				**Member Meeting PalGes: 18-19 h**				**Member Meeting DGGV: 18-19 h**		
18h15-19h00										
19h-22h						**Science Slam (in German only!)**				

WEDNESDAY, 5.09.2018										
8h00	**Registration**									
8h30-9h30		**02d) Tectonic Systems** | *Chair: Nikolaus Froitzheim & Kamil Ustaszewski*	**07a) Advances and new applications in chemical... |** *Chair: Kilian Pollok, Frank Wombacher, Markus Lagos*	**10i) Greening of the living Earth...|** *Chair: Carole T. Gee, Hans Kerp*	**10b) Biodiversity dynamics in deep time... |** *Chair: Richard Hofmann & Wolfgang Kießling*	**09c) Geology of unconventional resources of critical raw materials |** *Chair: M. Sosnicka, T. Graupner, M. Burisch, D. Krämer*	**08c) Loess systems and the reconstruction of Pleistocene climate dynamics |** *Chair: Ulrich Hambach*	**04a) Magmatic processes and their geochemical signatures... |** *Chair: Ambre Luguet, Raúl Fonseca & Stracke Andreas*		**10d) Marine reptiles: a successful story in Mesozoic ecosystems |** *Chair: Jun Liu, Dayong Jiang & Tanja Wintrich*
8h30-8h45		Jan Tomasek, Jonas Kley, David Hindle | **Tectonics of the Krušné hory Fault (Czech Republic): observations from broken-plate flexure models**	***Keynote:*** Dieter Garbe-Schönberg, Samuel Müller, Simon Nordstad, Leewe Schönberg, Michael Wiedenbeck, Axel D. Renno, Maxim Portnyagin, Thomas Zack, Dany Savard | **Reference materials for microbeam sampling: Where do we stand?**	***Keynote:*** Michael Krings, Carla J. Harper | **Primary producers in the Lower Devonian Rhynie and Windyfield cherts: Cyanobacteria and eukaryotic microalgae**	***Keynote:*** Erin Elizabeth Saupe | **Macroecology in deep time**	***Keynote:*** Max Frenzel, Jakob Kullik, Markus Reuter, Jens Gutzmer | **Criticality - What makes a raw material critical?**	***Keynote:*** Qingzhen Hao, Luo Wang, Frank Oldfield, Zhengtang Guo | **Extra-long interglacial in Northern Hemisphere during MISs 15-13 and its influence on the second major dispersal of African hominins**	Chris Ballhaus, Raul O.C. Fonseca, Alessandro Bragagni, Richard Wirth, Willibald Pröll, Anja Schreiber, Jens Barosch | **No evidence for Transition Zone metamorphism in diamondiferous ophiolites**		***Keynote:*** Michael J. Benton | **Marine vertebrates and recovery of life from the Permian-Triassic mass extinction**
8h45-9h00		Jan O. Eisermann, Ulrich Riller | **Regional velocity field variations in the Southern Andes are kinematically related to the Liquiñe-Ofqui Fault Zone: evidence from scaled analogue experiments**			Joachim T. Haug | **Concepts in palaeontology – how can we categorise animals from the past?**			Mike Jansen, Jonas Tusch, Carsten Münker, Vera Schmitt, Robin Tordy | **In search for ancient mantle heterogeneities in the Eifel plume: new insights from high precision 182W measurements**		
9h00-9h15		Paul L. Göllner, Jan O. Eisermann, Ulrich Riller | **A revised kinematic model for the Liquiñe-Ofqui Fault Zone, Southern Andes, based on recent compilation of thermo-chronological data and DEM analysis**	Richard Albert, Axel Gerdes, Leo Millonig, Linda Marko | **U-Pb LA-ICP-MS dating of low-U minerals: A case study of high grade metamorphic garnet**	Rolf Gossmann, Peter Giesen, Markus Poschmann, Hans-Joachim Schweitzer † | **Prototaxites cf. Ioganii of the Rhenish Slate Mountains of W-Germany**	Richard Hofmann, Melanie Tietje, Martin Aberhan | **Diversity Partitioning in benthic marine ecosystems throughout the Phanerozoic**	Martin Erdmann, Sonja Rosenberg, Simon Glöser-Chahoud, Matthias Pfaff, Hildegard Wilken | **Potentials of unconventional Sn-W-In-resources – an ecological and socio-economic assessment**	Tobias Sprafke, Simon Meyer-Heintze, Marcin Krawczyk, Christian Schäfer, Robert Peticzka, Birgit Terhorst | **Fifty shades of loess – potentials and limits of color measurements on loess-paleosol sequences**	Maria Kirchenbaur, Alessandro Bragagni, Raül Fonseca, Carsten Münker | **Revisiting the primitive mantle abundances of the moderately volatile elements Sn and In**		Dayong Jiang, Ryosuke Motani, Andrea Tintori, Jiandong Huang, Zuoyu Sun, Min Zhou | **Emergence and fast radiation of Mesozoic marine reptiles after the end-Permian Mass Extinction**
9h15-9h30		Christoph von Hagke, Michael Kettermann, Prokop Zavada, Kathrin Mothe, Dominik Gottron, Janos L. Urai | **Influence of mechanical stratigraphy and pre-existing structures on fold-thrust-belt geometry**	Lena K. Steinmann, Martin Oeser, Ingo Horn, Stefan Weyer | **In situ analyses of Li isotopes in olivines from volcanic rocks with femtosecond laser ablation MC-ICP-MS**	Hans Kerp, Iryna Röhr | **A coal ball flora from the Hauptflöz Seam (Namurian C, lower Bashkirian, Pennsylvanian) of the Ruhr District, Germany**	Wolfgang Kiessling, Adam Kocsis | **Dynamics of extinction and origination in the marine fossil record: an update**	Ulrich Schwarz-Schampera, Ralf Freitag, Hendrik Müller | **Current Status of the German Polymetallic Sulphide Exploration in the Western Indian Ocean**	Christian Zeeden, Ulrich Hambach, Igor Obreht, Qingzhen Hao, Stefanie Kaboth, Daniel Veres, Frank Lehmkuhl, Milijoj B. Gavrilov, Slobodan B. Marković | **Stratigraphic interpretations of loess-paleosol sequences and their relevance for land-sea correlations**	Sonja Aulbach | **Eclogite in the lithosphere and asthenosphere: Chemical and redox effects**		Marta S. Torres Ladeira, Torsten M. Scheyer, Heinz Furrer, Iris Ehrbar | **Pachypleurosaurs from the Ducan area, Switzerland**
9h30-10h00	**Coffee break - exhibition**									
10h00-11h15		**02d) Tectonic Systems** | *Chair: Nikolaus Froitzheim & Michael Stipp*	**07a) Advances and new applications in chemical... |** *Chair: Kilian Pollok, Frank Wombacher, Markus Lagos*	**10i) Greening of the living Earth... |** *Chair: Carole T. Gee & Hans Kerp*	**10b) Biodiversity dynamics in deep time... |** *Chair: Richard Hofmann & Wolfgang Kießling*	**09c) Geology of unconventional resources of critical raw materials |** *Chair: M. Sosnicka, T. Graupner, M. Burisch, D. Krämer*	**08c) Loess systems and the reconstruction of Pleistocene climate dynamics |** *Chair: Christian Zeeden*	**04a) Magmatic processes and their geochemical signatures... |** *Chair: Ambre Luguet, Raúl Fonseca & Stracke Andreas*		**10d) Marine reptiles: a successful story in Mesozoic ecosystems |** *Chair: Jun Liu, Dayong Jiang & Tanja Wintrich*
10h00-10h15		Karsten Reiter, Oliver Heidbach | **Do Paleozoic basement structures affect present-day stress orientation in central Western Europe?**	Alexander Potrafke, Roland Stalder, Burkhard Schmidt | **Trends of OH-defect incorporation in experimentally grown quartz at crustal conditions**	Patrick Blomenkemper, Abdalla Abu Hamad, Hans Kerp, Benjamin Bomfleur | **'The smoking gun' – New evidence for Permian Corystosperms from Jordan**	Maro-Pascal Ellerkamp, Ralph T. Becker | **A comparison of Givetian gastropod faunas from the Tata region (Dra Valley, southern Morocco) and the Rhenish Massif**	Dennis Kraemer, Marta Sośnicka, Volker Lüders, Michael Bau | **Isotopes and trace elements incl. REY in formation waters from the North German Basin: Archives for long-term water-rock interaction and potential tools for exploration of mineral deposits under deep cover**	Tobias Lauer, Stefan Vlaminck, Martin Kehl, M. Frechen, C. Rolf, E. Lehndorff, J. Sharifigarmdare, A. Shahriari, F. Khormali | **Loess-paleosol sequences in northern Iran – Highly resolved archives of paleoenvironmental change during the Middle- and Upper Pleistocene**	Takahiro Yoshioka, Daisuke Nakashima, Tomoki Nakamura, Svyatoslav Shcheka, Hans Keppler | **Carbon solubility in silicate melts coexisting with graphite and a CO-CO2 gas phase**		Jørn H. Hurum, Hans A. Nakrem | **Spathian (Olenekian) bonebeds from Spitsbergen, Norway**
10h15-10h30		Alexander Malz, Christoph Nachtweide, Sophie Emmerlich | **Styles of Late Cretaceous intraplate shortening in Central Germany - first results from the Altmark region, Saxony Anhalt**	Markus Pfeifer, Jamie Lewis, Christopher D. Coath, Hsin-Wie Chen, Johannes Schwieters, Tim Elliott | **Potential of in-situ presolar grain isotopic analyses using a collision cell MC-ICPMS, Proteus**	Rafael Spiekermann, José R. W. Benício,André Jasper, Dieter Uhl | **Taxonomy and taphonomy of a remarkable lycopsid mass-assemblage from the Morro do Papaleo outcrop (Rio Bonito Formation, lower Permian, Paraná Basin, Rio Grande do Sul, Brazil)**	Till Söte, Ralph T. Becker | **The early radiation of ammonoids after the global Kellwasser Crisis in the Canning Basin (Frasnian-Famennian boundary, Western Australia)**	Marta Sośnicka, Dennis Kraemer, Volker Lüders, Michael Bau, Cora Wohlgemuth-Ueberwasser | **Sources and pathways of ore-forming fluids in the Lower Saxony Basin, Germany**	Sascha Meszner, Moncef Bouaziz, Ulrich Hambach, Alexander Fülling, Georg Mettig, Max. Pachtman, Manuel R. Espejo, Dominik Faust | **Desert Margin Loess in Southern Tunisia**	Felipe P. Leitzke, Raúl O.C. Fonseca, Jörg Göttlicher, Ralph Steininger, Sandro Jahn, Clemens Prescher, Markus Lagos | **Titanium coordination chemistry and oxidation state during lunar magmatism and ab initio modelling of mass-dependent equilibrium isotope fractionation**		Jun Liu, P. Martin Sander, Adun Samathi, Phornphen Chanthasit | **The earliest ichthyosaur from the middle Lower Triassic of Thailand**
10h30-10h45		Sebastian Reimers, Jon Engström, Ulrich Riller | **Kinematic evolution of the Paleoproterozoic Kynsikangas ductile shear zone, SW-Finland**	Kilian Pollok, Prasant Kumar Nayak, Liangtao Yang, Falko Langenhorst, Philipp Adelhelm | **Mineralogy meets Energy: Insights from TEM-EELS to Performance and Ageing of Mn and Fe based Layered Oxide Materials used as Battery Cathode Material**	Ronny Rößler | **Medullosen – vielfältig, gut angepasst und dennoch ausgestorben?**	Yu Pei, Zhong-Qiang Chen, Yuheng Fang, Stephen Kershaw, Siqi Wu, Mao Luo | **Volcanism, redox conditions, and microbialite growth linked with the end-Permian mass extinction: Evidence from the Xiajiacao section (western Hubei Province), South China**	Patrick Nadoll, Meike Rehm, Florian Duschl, Reiner Klemd | **REY and trace element chemistry of fluorite from post-Variscan hydrothermal veins in deeply covered Paleozoic units of the North German Basin**	Lydia Krauß, Nicole Klasen, Philipp Schulte, Frank Lehmkuhl | **Is there a need for readjustments concerning Late Pleistocene paleoenvironmental dynamics in the northern loess distribution zone of Bavaria (Germany)?**	***Keynote:*** Hugh StClair O'Neill | **Shapes of Rare Earth Element patterns in planetary basalts and their significance**	**11a) The fossil record of evolution and evolutionary processes |** *Chair:* Christian Klug & Ralph T. Becker	Andrzej S. Wolniewicz, Ryosuke Motani, Roger B. J. Benson | **A bizarre, new ichthyosaur from the Blue Lias Formation (Lower Jurassic, Hettangian–Sinemurian) of the United Kingdom provides evidence for a temporally staggered ichthyosaur turnover across the Triassic–Jurassic boundary**
10h45-11h00		Kathrin Fassmer, Nikolaus Froitzheim, Raúl O.C. Fonseca, Carsten Münker | **Lu-Hf geochronology of eclogites from Norrbotten (Seve Nappe Complex, Scandinavian Caledonides)**	Anne E. Berns, Bei Wu, Yi Wang, Ying Xing, Roland Bol, Kathlin Schweitzer, Michael Baumecker, Wulf Amelung | **Applying stable isotope analysis to evaluate soil management techniques in agricultural field sites**	Steffen Trümper, Ronny Rößler, Jens Götze | **Deciphering silicification pathways of fossil forests: Case studies from the late Paleozoic of Central Europe characterised by cathodoluminescence microscopy**	Vanessa J. Roden, Imelda M. Hausmann, Barbara Seuss, Alexander Nützel, Wolfgang Kiessling | **High diversity in the Triassic Cassian Formation**	Rachid Benaouda, Dennis Krämer, Michael Bau | **Mineralogy and geochemistry of REE-Nb mineralization in the Gleibat Lafhouda and Twihinat carbonatites and associated Fe-oxides of the Ouled Dlim Massif in the Reguibat Shield (South Morocco)**	Mathias Vinnepand, B. Thornton, P. Fischer, A. Vött, K. Fitzsimmons, C. Prud'homme | **Stable carbon isotope composition of inorganic carbonates in loess: A tool to differentiate between lithogenic calcareous dust input and pedogenic carbonates in Loess-Palaeosol-Sequences**		***Keynote:*** Christian Klug | **Ammonoid beginnings**	Jelle Heline, P. Martin Sander | **The use of taphonomy and biomechanics in understanding the paleobiology of the Ichthyosauria**
11h00-11h15		Philipp Balling, Bruno Tomljenović, Kamil Ustaszewski | **The tectono-sedimentary evolution of the Promina Beds caused by contrasting styles of deformation along-strike the External Dinarides**	Jens Fohlmeister, Jennifer Arps, Christoph Spötl, Andrea Schröder-Ritzrau, Birgit Plessen, Christina Günter, Norbert Frank, Martin Trüssel | **Carbon and oxygen isotope fractionation in the water-calcite-aragonite system**	Ian Unverfärth, Stephen McLoughlin, Benjamin Bomfleur | **Mesofossil analysis as a window into a Triassic coal-forest ecosystem of Gondwana**	Alexander Nützel, Imelda M. Hausmann, Mike Reich, Vanessa Roden | **Contrasting shallow and deeper water marine assemblages of the highly heterogeneous biota from the Late Triassic Cassian Formation, northern Italy**	Hartwig F. Gielisch | **Coal – A dispensable natural resource?**	Olaf Jöris, Peter Fischer, Sonja B. Grimm, Martin Street, Bernhard Weninger | **Aeolian activity changes during OIS 2 in Central Europe and its influences on the Late Glacial human expansion into the North**	David A. Neave, Oliver Shorttle, Martin Oeser, Stefan Weyer | **Mantle-derived trace element variability in olivines and their melt inclusions**		Tanja Wintrich, P. Martin Sander | **Soft part preservation in ichthyosaur vertebral column suggest a proper intervertebral disc**
11h15-11h30										
11h30-12h30						**Plenary Lecture: William B. F. Ryan (Lamont-Doherty Earth Observatory of Columbia, USA) "Exploring the Symmetry of Sea-floor Spreading"**					
12h30-13h15	**LUNCH BREAK**			**AK Paläobotanik/ Palynologie**						
13h15-14h15						**DGGV Award Ceremony**				
14h15-14h30										

14h30-16h15		**02d) Tectonic Systems |** *Chair: Michael Stipp & Kamil Ustaszewski*	**15a) Geoscientific collections in the area of responsibility... |** *Chair: Birgit Kreher-Hartmann & Dorothée Kleinschrot*	**10i) Greening of the living Earth... |** *Chairs: Hans Kerp & Carole T. Gee*	**05d) Marine Systems |** *Chair: Florian Pohl, Stefan Huck & Mike Tilston*	**09c) Geology of unconventional resources of critical raw materials |** *Chair: M. Sosnicka, T. Graupner, M. Burisch, D. Krämer*	**08c) Loess systems and the reconstruction of Pleistocene climate dynamics |** *Chair: Tobias Sprafke*	**04b) Materials, structure and dynamics of Earth's deep interior |** *Chair: Max Wilke & Hauke Marquardt*	**11a) The fossil record of evolution and evolutionary processes |** *Chair: Christian Klug & Ralph Thomas Becker*	**Workshop 2h: Publication of research data**
14h30-14h45		***Keynote:*** Thorsten Nagel **| What field geology, P-T modeling, and garnet geochronology can tell about subduction and exhumation**	***DGGV Serge-von-Bubnoff Medal Lecture:*** Gerold Wefer **| Science Communication - Examples and New Initiatives**	***Keynote:*** Carole T. Gee, David W. Taylor **| Water lily leaves at the base of the Nuphar and Nymphaeaceae clades from the middle Eocene lake of Messel, Germany**	***Keynote:*** Matthieu Cartigny **| How new deep-sea observations change turbidity current models**	***Keynote:*** Peter Onuk, Frank Melcher **| High-tech metal potential of sphalerite from eastern alpine lead-zinc deposits**	Frank Sirocko **| Central European aridity changes in response to North Atlantic SST change during MIS3 (60.000 – 27.000 BP)**	***Keynote:*** Jeroen Ritsema **| Seismic constraints on the thermochemical structure of the mantle transition zone**	Paula G. Pazinato, Carolin Haug, Angelika Leipner, Joachim T. Haug **| A new glimpse into the early diversification of peracarid crustaceans – An exceptionally preserved pygocephalomorph from the Upper Carboniferous of Germany**	
14h45-15h00							Zoran M. Peric, J.-P. Buylaert, T. Stevens, S. B. Marković, U. Hambach, P. Fischer, C. Zeeden, M. Jain, A. Vött **| High resolution luminescence dating of the Titel loess core (Serbia, Eastern Europe) over the last two glacial-interglacial cycles**		Mario Schädel, Patrick Müller, Joachim T. Haug **| Fossil aquatic insect larvae in Burmese amber with important implications on the ground pattern of Odonata (dragonflies and damselflies)**	
15h00-15h15		Irena Miladinova, Nikolaus Froitzeim, Thorsten J. Nagel, Marian Janák, Raúl O.C. Fonseca, Carsten Münker **| Lu-Hf geochronology and petrology of eclogites from the Eastern Alps: New constraints for the kinematics of the Eoalpine subduction zone**	Anne Zacke, Fides Friedeberg, Renate Schumacher, Dana Vlcek, Mara Lönartz, Maurice Malcharzyk, Matthias Roos **| Public relation at university affiliated museums**	Philipp Hiller, Madelaine Böhme, Jerome Prieto, Simon Schneider, Benjamin Bomfleur **| A new species of Plenasium (Osmundaceae) from the Eocene of Southeast Asia**	Jens Zimmermann, Matthias Franz, Markus Wolfgramm **| Sea-level controlled back stepping of a large fluvial-dominated delta cycle – An example of the Lower Jurassic of the North German Basin**	Matthias E. Bauer, Mathias Burisch, Jörg Ostendorf, Joachim Krause, Max Frenzel, Thomas Seifert, Jens Gutzmer **| Trace element geochemistry of sphalerite in contrasting hydrothermal fluid systems: insights from LA-ICP-MS analysis, fluid inclusion microthermometry and sulfur isotope geochemistry**	Holger Kels, Philipp Schulte, Christian Zeeden, Ulrich Hambach, Nicole Klasen, Frank Lehmkuhl **| Semlac - a key loess-palaeosol sequence of the Banat Lowland (Western Romania) and a prominent Pleistocene section for the SE-Carpathian Basin.**	Silvia S. Duarte, Peter G. Betts, Alexander R. Cruden **| Numerical subduction models in a two-layer mantle: exploring stress-dependent mantle viscosity parameters**	Maro-Pascal Ellerkamp, Ralph T. Becker **| A comparison of Givetian gastropod faunas from the Tata region (Dra Valley, southern Morocco) and the Rhenish massif**	
15h15-15h30		Linus Klug, Nikolaus Froitzheim, Frank Tomaschek, Markus Lagos **| Pre-Variscan U-Pb zircon ages of the Texel Complex and the Schneeberg Complex (Austroalpine, Italy)**	Birgit Kreher-Hartmann **| Models, minerals and methods – the handling with geoscientific objects in the public**	Christian Müller, Lutz Kunzmann **| Combining insect herbivory and leaf trait data – A case study from the late Eocene of central Germany – preliminary results**	Ruggero M. Capperucci, Robin Schaumann, Friederike Bungenstock, Alexander Bartholomä **| High resolution reconstruction of the Pleistocene-Holocene depositional systems in the German Wadden Sea (Southern North Sea) by means of parametric echosounder and core data – The WASA (WAdden Sea Archive) Project**	Mathias Burisch, Anthea Hartmann, Wolfgang Bach, Patrick Krolop, Jens Gutzmer **| Genesis of hydrothermal silver-antimony-sulphide veins of the Bräunsdorf sector of the Freiberg District, Germany**	Igor Obreht, Christian Zeeden, Ulrich Hambach, Daniel Veres, Slobodan B. Marković, Frank Lehmkuhl **| A critical re-evaluation of palaeoclimate proxy records from loess sections in the Carpathian Basin**	Sergey Lobanov, Nicholas Holtgrewe, Alexander Goncharov **| Probing spin transition at combined high pressure and temperature by optical spectroscopy**	Jan Fischer **| On the fossil record of chimaeroid (Holocephali) egg cases**	
15h30-15h45		Jeff Oalmann, Erik Duesterhoeft, Andreas Möller, Romain Bousquet **| Alpine (U)HT metamorphism in the Gruf Complex: which consequences for the evolution of the Central Alps?**	Edouard Grigowski, Martin Monschau, Gösta Hoffmann **| OutcropWizard - The mobile outcrop database**	Mariah M. Howell, Carole T. Gee, Jürgen Hummel **| Revisiting energy yield patterns in the digestion of Araucaria and Equisetum by herbivores: Additional implications for sauropod food choices**	Yvonne Spychala, Joris Eggenhuisen, Mike Tilston, Florian Pohl **| Dimensions of submarine lobe elements and their reaction to changing basin settings and flow parameters**	Maximilian Korges, Philipp Weis, Volker Lüders, Oscar Laurent **| Hydrothermal evolution of Sn deposits in the Erzgebirge – insights from fluid inclusions in ore and gangue minerals**	Daniel Veres, Ulrich Hambach, Igor Obreht, Christian Zeeden, Alida Timar-Gabor, Janina Bösken, Frank Lehmkuhl, Slobodan B. Marković **| Paleoclimatic and tephrostratigraphic potential of last glacial cycle south-eastern European loess-paleosol sequences**	Johannes Buchen, Hauke Marquardt, Kirsten Schulze, Sergio Speziale, Alexander Kurnosov, Alok Chaudhari, Tiziana Boffa Ballaran, Norimasa Nishiyama **| The High-Pressure Elasticity of Polycrystalline Stishovite and Seismic Scattering in Earth's Lower Mantle**	Nicola S. Heckeberg, Faysal Bibi **| Divergence time estimation in Cervidae: comparing node- and tip-dating approaches**	
15h45-16h00		Christophe Real, Nikolaus Froitzheim, Rodolfo Carosi, Simona Ferrando **| Evidence of large-scale Mesozoic detachments preserved in the basement of the Southern Alps (northern Lage di Como area)**	Tong Bao, Hongyi Liu, Takashi Ito, Katarzyna S. Walczyńska **| The development of Chinese fossil related industry and the cooperation with Germany**	Samantha Moody, Carole T. Gee, Maximilian Weigend **| Modern and Ancient Thieves: Krameria lappacea, a Hemiparasitic Shrub with Distinctive Wood as a Modern Analog for Fossil Hemiparasites**	Ross Ferguson, Ian Kane, Joris Eggenhuisen, Florian Pohl, Mike Tilston, Yvonne Spychala, Rufus Brunt **| Discerning allocyclic and autocyclic controls on submarine fan development**	Mathias Wolf, Rolf L. Romer, Leander Franz **| Tin mobilization during melt generation**	Mehrdad Sardar Abadi, Gerilyn S. Soreghan **| Atmospheric dust as a climatic proxy in Late Paleozoic of Iran** *(Skype presentation)*	Sylvain Petitgirard, Christoph Sahle, Christopher Weis, Georg Spiekermann, Max Wilke, Christian Sternemann **| Properties of magmas at depth from SiO2 local structure measured using X-ray Raman spectroscopy**	Ralph T. Becker **| Iterative evolution as the rule – not exception – in ammonoids and other cephalopods**	
16h00-16h15				Sashima Läbe, Carole T. Gee **| Capturing fossil plants with photogrammetry: Case studies from the field and in the lab**	Stefan Back, Maximilian Franzel **| 3D seismic sedimentology and stratigraphic architecture of prograding clinoforms, central Taranaki Basin, New Zealand**	Khulan Berkh, Dieter Rammlmair, Malte Drobe **| Geochemistry and mineralogy of selected mine tailings in Chile**				
16h15-16h30	**Poster Social: 16:15-17:45 h -> Sessions: 2h, 2d**									
16h30-17h45										
19h-23h	**Conference Dinner at the Mensa**									

THURSDAY, 6.09.2018

8h00	**Registration**							
8h30-10h		**02b) Microfabrics, deformation mechanisms…|** *Chair: Ruth Keppler*	**05a) Temperature and fluid dynamics in sedimentary basins |** *Chair: Ralf Littke*	**04c) Dynamics of magmatic and volcanic processes |** *Chair: Kathi Faak & David Neave*	**05d) Marine Systems |** *Chair: Florian Pohl, Stefan Huck & Mike Tilston*	**08b) Oceanic oxygen, Ice ocean interactions and climate change |** *Chair: Mike Weber & Jacek Raddatz*	**10h) Vertebrate jaws and teeth — form and function |** *Chair: Julia A. Schultz & Thomas Martin*	**10a) The early `Explosion of Life´… |** *Chair: Oliver Lehnert & Thomas Servais*
8h30-8h45		Beverley J. Tkalcec, Frank E. Brenker | **Early mantle dynamics recorded in extraterrestrial olivine fabric**	Peter A. Kukla, Janos L. Urai, Lars Reuning, Stephan Becker, Shiyuan Li | **Salt Tectonics in Oman – multi-scale and integrated outcrop and subsurface studies of salt deformation mechanisms**	***Keynote:*** Adrian Fiege, Adam Simon, Philipp Ruprecht, Francois Holtz | **Dynamic magma-magma interface processes that moderate metal mass transfer in arc magma systems**	Maximilian Hallenberger, Lars Reuning, Stefan Back, Stephen J. Gallagher, Hokuto Iwatani | **Carbonate Petrography of sediments along the North West Shelf of Australia (NWS): a contribution to understanding the "oolite problem"**	***Keynote:*** Thomas Ronge, Jörg Lippold, Walter Geibert, Frank Lamy, Gesine Mollenhauer, Matthias Prange, Bernhard Schnetger, Finn Süfke, Ralf Tiedemann | **A Southern Ocean perspective on climate, CO_2 and ice sheets**	Bryan Shirley, Madleen Grohganz, Michel Bestmann, Emilia Jarochowska | **Wear, tear, and systematic repair: Testing growth dynamic models in euconodonts**	***Keynote:*** David Harper | **The Early Palaeozoic marine diversifications: some causes and consequences**
8h45-9h00		Nobuyoshi Miyajima, Tommaso Mandolini, Florian Heidelbach | **Partial dislocations and stacking fault ribbons in deformed pyrope at high pressure and temperature: Combining ECCI and FIB milling techniques to prepare site-specific TEM samples**	Sven Fuchs, Andrea Förster | **Terrestrial heat flow in basin modelling: new findings for the North German Basin**		Dario Fussmann, Avril von Hoyningen-Huene, Dominik Schneider, Andreas Reimer, Rolf Daniel, Gernot Arp, Patrick Meister | **Authigenic carbonate formation in Lake Neusiedl - biotic and abiotic contributions**		Daniela E. Winkler, Ellen Schulz-Kornas, Thomas M. Kaiser, Thomas Tütken | **First 3D enamel surface texture analysis of extant squamata and crocodylia**	
9h00-9h15		Jan H. Behrmann, R. Kuehn, M. Stipp, B. Leiss, J. Kossak-Glowczewski | **Seismic anisotropy of slow-spreading oceanic crust and serpentinized mantle constrained from textures of rocks drilled at Atlantis Massif (Atlantic Ocean) during IODP Expedition 357**	Joschka Röth, Adeline Parent, Cassandra Warren, Daniel Palmowski, Ralf Littke | **Application of crustal thickness inversion for thermal history modeling in the Gippsland Basin, Victoria, Southeastern Australia**	Anja Allabar, Marcus Nowak | **Decompression induced phase separation of hydrous Vesuvius melt: vesicle nucleation or spinodal decomposition?**	André Wizemann, Thomas Mann | **Experimental study on the process of early marine carbonate cementation in sedimentary Halimeda segments**	***Invited talk*** Florian Scholz, Sebastian Beil, Klaus Wallmann, Moritz F. Lehmann, Sascha Flögel, Ann Holbourn, Wolfgang Kuhnt | **Reconstructing oxygen minimum zone-type biogeochemical cycling in the geological record**	Philipp Ludwig Knaus | **Occlusal fingerprint analysis suggests complex oral processing in high-fiber herbivores since the Early Permian**	Oliver Lehnert, Peep Männik, John E. Repetski, Rongchang Wu, Michael M. Joachimski, Mikael Calner, Björn Kröger, Jaak Nõlvak, Thomas Servais, David A. T. Harper, Renbin Zhan | **Major diversification pulses during the GOBE linked to the Ordovician climate record**
9h15-9h30		***Keynote:*** Rüdiger Kilian | **Deformation microstructures and textures of quartz - new insights on old paradigms**	Sebastian Niegel, Matthias Franz, Graciela M. Sosa, Markus Wolfgramm | **Burial history and sandstone diagenesis: the example of Schilfsandstein (Triassic) in the North German Basin (Usedom area)**	Georg Nover, Jutta von der Gönna | **Melt fraction, distribution and interconnection determined by electrical conductivity and energy dispersive X-ray diffraction**	Franziska Klimpel, Michael Bau, Katja Schmidt, Hermann Kudrass | **The geochemical twins Y-Ho, Zr-Hf and Nb-Ta in marine phosphorites**		Thomas Martin, Julia A. Schultz, Janka J. Brinkkötter, Kai R.G. Jäger, Thorsten Plogschties, Achim H. Schwermann | **Dental diversity and functional adaptations in Mesozoic mammaliaforms**	Brigitte Schoenemann, Euan N.K. Clarkson | **Eye Diversification in the Ordovician**
9h30-9h45			Sebastian Grohmann, M. F. Romero-Sarmiento, F. H. Nader, F. Baudin, R. Littke | **Organic-rich intervals of Late Mesozoic to Cenozoic age in the on- and offshore area of Cyprus and their impact on petroleum systems in the Eastern Mediterranean Sea**	Nicole Malz, Olivier Namur, Kathrin Faak | **Insights into the subsolidus cooling history of the Skaergaard Intrusion, Greenland – An application of diffusion chronometry**	Theresa Nohl, Axel Munnecke | **Lost in transition – the selective compaction of a halysitid coral and its implications for diagenesis and time**	Michael E. Weber, Christopher J. Fogwill, Matthew DeCesare, Nicholas R. Golledge, Natalya Gomez, Peter U. Clark | **Antarctic Ice Sheet Dynamics Coupled to Global Climate Events**	Julia Ann Schultz, Bhart-Anjan Bhullar, Zhe-Xi Luo | **Mandibular shape and chewing motions of Docodon victor**	Thomas Servais, David M. Kröck, Mats E. Eriksson, Anders Lindskog, Claude Monnet, Axel Munnecke | **Different species or just ecophenotypes? Population analyses of the early Palaeozoic acritarch genus Liliosphaeridium from the Ordovician of Öland, Sweden**
9h45-10h00		Ben Laurich, Werner Gräsle | **Geomechanical properties and structural evolution of Scaly Clay**	Simon Müller, Jashar Arfai, Fabian Jähne-Klingberg, Frithjof Bense | **The Jurassic in the German Central Graben and its potential as a thermogenic source for shallow gas accumulations**	Smruti Sourav Rout, Burkhard C. Schmidt, Gerhard Wörner | **Non-isothermal diffusive analysis: experimental validation and application to sanidine megacrysts from Taapaca volcano (Nothern Chile)**	Florian Pohl, Mike Tilston, Joris Eggenhuisen, Matthieu Cartigny| **First measurement of a mechanism responsible for enhanced erosion in channel-lobe-transition zones**	Jassin Petersen, Christine Barras, Antoine Bézos, Carole La, Filip J R Meysman, Aurélia Mouret, Caroline P Slomp, Frans J Jorissen | **Mn/Ca ratios of Ammonia tepida as a proxy for seasonal hypoxia in coastal ecosystems: the case of Lake Grevelingen, The Netherlands**	Thomas Engler, Thomas Martin | **Functional modifications in tooth morphology of Paleocene small mammals**	David Kroeck, Claude Monnet, Gary Mullins, Axelle Zacaï, Thomas Servais | **Global scale diversity of phytoplankton in the Early Palaeozoic and its palaeoecological significance**
10h-10h30	**Coffee break - exhibition**							
10h30-11h30							**Plenary Lecture: Prof. Gordon Lister (The Australian National University Canberra) "Gravity drives Great Earthquakes"**	
11h30-12h15							**DMG Award Ceremony, PalGes YS Award, Poster Awards and Closing**	