

Sessions & Talks

Name	Title
Plenary Talks	
Johanson	Evolution and development of chondrichthyan skeletal mineralization
De Baets	Phanerozoic parasitism and marine metazoan diversity – Dilution versus amplification
Kustatscher	The Permo-Triassic Transition and its effect on Plant Diversity and Distribution
Vinther	Palaeocolour and the Evolution of Display and Camouflage in Dinosaurs and Birds
Session 1	
Open Topics Vertebrata I	
Stumpf et al.	Living on the edge – Diversity patterns of hybodontiform shark-like chondrichthyans prior to the biotic turnover at the Jurassic-Cretaceous transition
Begat et al.	Elasmobranch Fishes from the Cenomanian (Late Cretaceous) of Patagonia, Argentina display an impressive Palaeodiversity in high Latitude Deposits
De Gracia et al.	Comparative morphology between extinct and extant forms provides evidence for earlier radiation in istiophorid billfishes (Teleostei, Istiophoriformes)
Herbert-Mainero et al.	Killifish palaeodiversity from a middle Miocene lake in the Bugojno Basin, Bosnia and Herzegovina
Schulz-Mirbach et al.	The Weberian apparatus in action – How do the auditory structures of otophysan fishes interact during sound exposure?
Session 2	
Harzhauser & Zuschin: Circum-Mediterranean aquatic biodiversity – from deep time to the recent	
Kranmer et al.	Palaeobathymetrical and palaeoecological development in the Vienna Basin (Austria) during the early and middle Miocene
Weinmann et al.	The recent distribution of benthic shallow-water foraminifera in Corfu Island (Greece, Ionian Sea) – A biodiversity hotspot between the Eastern and Western Mediterranean
Mandic et al.	Bivalves from the Innviertel Group of Allerting in the North Alpine Foreland Basin (Lower Miocene, Upper Austria)
Schädel et al.	Close relatives of extant parasitic forms of crustaceans from the Mesozoic of Europe
van der Wal et al.	Indication of parasitism and ontogenetic development in the fossil record – An isopodan crustacean from the late Eocene as example
Kevrekidis et al.	Phylogenetic relationships of fossil herring-like fishes (Clupeiformes, Teleostei)
Session 3	
Open Topics Palaeobotany	
El Atfy et al.	Vegetation Reconstruction on the Southern Shores of the Tethys Ocean during the early Oligocene – Insights from Continental Palynomorphs, Egypt
Moseri et al.	Reconstructing Oligo-Miocene palaeoenvironments and the influence of sea level fluctuations on the south-western coast of South Africa
Nowak et al.	In situ Fern Spores from the Triassic in Europe
Kustatscher et al.	Botanical Affinities of Spores and Pollen from the Triassic of the Southern Alps
Kerp et al.	A complete plant of the late Paleozoic lyginopterid, <i>Sphenopteridium germanicum</i> (Weiss) Kerp et DiMichele nov. comb., and a taxonomic revision of the species
Spiekermann et al.	The Discovery of <i>Iratinia australis</i> – the oldest known anatomically preserved axis bearing affinities with Cycadles
Malekhosseini et al.	Identification of preserved calcium oxalate biomineral remains in fossil leaves from the Oligocene and Eocene
Session 4	
Open Topics Echinodermata & Vertebrata II	
Reich & Stegemann	Neglected Microfossils – early Jurassic Echinoderm Larval Skeletons from Germany and France
Kelz et al.	Growth allometry in Upper Triassic conodonts supports molar-like element function
Guenser et al.	How to survive to a crisis – Biogeography and Macroecology of Early Triassic conodonts
Buchwitz et al.	Ideas for a more objective Assessment of a Fossil Locality's Importance based on an exemplary non-marine Early Permian Site and its Peers
Vasilyan et al.	First Data on Pliocene Continental Fossil Record of Armenia, Southern Caucasus
Session 5	
Haug et al.: Insect diversity in the past as a basis for understanding the modern-day crisis	
Baranov & Haug	Fossil organism size as a palaeoclimate proxy for deep time – prospect and first results
Posada Zuluaga et al.	Diversity of Owlfly Larvae – a Quantifiable Morphological Analysis across the Fossil Record and Extant Representatives
Linhardt et al.	An example of diversity of immature lacewings – a quantitative comparison of aphid lions over geological time
Herbert et al.	The Fossil Scuttle Flies – Palaeodiversity and Evolution from Cretaceous to Holocene
Haug	The Fossil Record of Caterpillars – the rise of a unique eating machine
Solórzano-Kraemer et al.	Extinct Stingless bees discovered in Defaunation resin and Holocene copal from Africa
Kiesmüller et al.	"Camouflage" in immature bark lice in 100 million-year-old amber
Hörnig et al.	Syninclusions and "frozen behavior" in amber – what they can tell us about the evolution of insect lifestyles
Session 6	
Open Topics Vertebrata III	
Jansen et al.	Uncertain phylogenetic relationships as a source of Error in the Trackway-data-based Reconstruction of Locomotion Evolution within Amniote Ancestors
Falk et al.	Controls on the skeletal taphonomy of anurans from lacustrine-hosted Cenozoic Lagerstätten
Abel et al.	Suture Morphology and Skull Mechanics in the Permian 'Anapsid' <i>Captorhinus aguti</i> and the Origin of Amniote Temporal Fenestration
Suárez-Ibarra et al.	Geometric Morphometrics – a new tool to classify South American Quaternary Gomphothere (Proboscidea: Mammalia) Molar Remains?
Stansfield et al.	Respiratory adaptation to climate in the Upper Palaeolithic
Session 7	
van Heteren & Sander: Microanatomy and Histology – New insights from classical light microscopy and x-ray microtomography	
Luft et al.	Assessing the suitability of the bone analysis plug-in of ORS Dragonfly for bone microstructure analysis
Amson & Bibi	Differing effects of size and lifestyle on bone structure in mammals
Yilmaz et al.	Intraspecific Variation in the Bone Microstructure of <i>Sciurus vulgaris fuscoater</i> Humeri
van Heteren & Sander	The Dwarfing of Hippopotami on Cyprus
Session 8	
Martin: Jurassic-Cretaceous terrestrial biota – Evolution and palaeoecology	
Skutschas et al.	Amphibians from the high latitude Early Cretaceous Teete locality, Yakutia, Russia
Theda & Schwermann	Pterosaur tracks (<i>Pterachnus</i> Stokes, 1957) from the Late Jurassic of the Wiehengebirge, northwestern Germany
Lasseron et al.	An African world in the shadow of giants – mammals and other microvertebrates from the Jurassic – Cretaceous transition of Ksar Metlili, Morocco
Martin et al.	New Mammals from the early Cretaceous of Balve-Beckum (North Rhine-Westphalia, Germany) and their Palaeobiogeographic Implications
Newham et al.	Fossil cementum offers a window onto physiological evolution amongst mammaliaforms and early mammals
Panciroli et al.	Examining ecomorphology using 3D geometric morphometric analysis on the postcrania of the Mesozoic mammaliaform <i>Borealestes</i>
Schultz et al.	Molar occlusion with an anteriorly directed component in the power stroke is unique to therian mammals and may have influenced early therian dietary diversification
Session 9	
Foster et al.: Extinctions – Environmental controls, diversification models and the quality of the fossil record	
Landwehrs et al.	Earth System Model Contributions to Investigating Mesozoic Ecological Trends and Extinctions
Neubauer	Extinction at the fifth and sixth mass extinction – a freshwater perspective
Reddin et al.	Thermal extinction selectivity patterns during global warming events
Foster	Environmental controls on the recovery following the end-Permian mass extinction – new insights from Japan
Kerp et al.	<i>Saportaea salisburyoides</i> Fontaine et White – An enigmatic, long-ranging, widely distributed but rare type of late Paleozoic foliage
Lukeneder A.	Upper Triassic palaeobiota from a marine Konservat-Lagerstätte deposited during the Carnian Pluvial Episode in Austria
Lukeneder P.	3D reconstruction of late Triassic coleoid cranial cartilage from the Polzberg Konservat-Lagerstätte (Northern Calcareous Alps)
Ketwetsuriya & Dumrongrojwattana	Holocene marine microgastropods from Bangkok Clay of Samut Sakorn Province, Central Thailand
Harzhauser & Neubauer	The European Cenozoic land snail faunas – extinctions and turnovers
Karapınar & Nützel	The extinction and recovery of Pleurotomarida (Gastropoda) across the Permian-Triassic – how taxonomic and ecological studies improve our knowledge
Session 10	
Kunzmann et al.: Unravelling the complexity of continental Palaeoecosystems – Interactions and interrelatedness between plants, other organisms and environments	
Müller et al.	Integrated leaf trait analysis – a new tool for analyzing European Paleogene ecosystems
Laaß et al.	Plant-Arthropod Interactions from the Piesberg Quarry near Osnabrück, Germany (Middle Pennsylvanian)
Ricetti et al.	Western Gondwana Arthropod-Plant Interaction – a Perspective from a high Productivity early Permian Assemblage of Brazil
Trümper et al.	Dead but still Interactive – Fossil Woody Debris as Archive for deep-time Interactions in Continental Environments
Olatoyan et al.	Archaeobotanical Evidence of the Emergence of Pastoralism and Farming in Southern Africa
Effiom et al.	Palynological development of the Mkhuze Swamps, KwaZulu-Natal, South Africa
Wedmann et al.	Final Meal of a Fossil Fly – Evidence of Pollen Consumption and Inference of present-day Biology
Session 11	
Open Topics Vertebrata IV	
Pommery et al.	Study of the Dentition of the particular Placodont <i>Henodus chelyops</i> – Tooth Replacement and Feeding Behaviour
Ommer et al.	A new late Toarcian (Early Jurassic) ichthyosaur from Schandelah (Lower Saxony) in 3D-preservation
Gauweiler & Haug	Peramorphosis in the Pterosaurian neck vertebrae – Elliptic Fourier Analysis shows different patterns of shape change among the cervical vertebrae between groups
Filek et al.	A tail of defence – Almost complete tail skeleton of Plateosaurus (Sauropodomorpha, Late Triassic) reveals possible defence strategies
Schade et al.	Unravelling the biology of the nodosaurid dinosaur <i>Struthiosaurus austriacus</i> from the Late Cretaceous of Austria
Lallensack et al.	Elongate dinosaur tracks explained as deep penetration of the foot, not plantigrade locomotion
Session 12	
Open Topics General	
Nützel	The Lazarus metaphor in palaeontology and the scientific value of this and other metaphors
Asher & Smith	Is Accurate Phylogeny Reconstruction Possible in Paleontology?
Hohmann et al.	The Temporal Resolution of the Stratigraphic Record and its Environmental Gradients
Toscano et al.	Fossiliferous concentrations – unique bio-events in a second order lowstand wedge of the Lower Cretaceous (Neuquén Basin, Argentina)
Pint et al.	The Bromacker Lagerstätte in the Thuringian Forest – a unique window into the continental Lower Permian world
Session 13	
Open Topics Micropalaeontology & Invertebrates I	
Mutterlose et al.	Provenance Analysis of Historic Mortars and Mortar based Materials – a Micropalaeontological Approach
Falkenberg & Mutterlose	Burning Experiments on Calcerous Nannofossils – Contribution to a better Understanding of Historic Mortar Production
Rasser & Rebelo	Rolling around rocky shelves – Fossil and Extant Rhodoliths on North Atlantic Islands
Zoppe et al.	Sclerochronology of hermatypic scleractinian corals from the Mesoamerican Barrier Reef System in Belize, Central America
Löw et al.	Microfauna and Microfacies from the initial reef stadium of Binolen in the Hönne Valley (Sauerland, Middle Devonian)
Session 14	
Open Topics Micropalaeontology & Invertebrates II	
Söte & Becker	Exceptionally high diversity in the Frasnian (Upper Devonian) Tornoceratidae (Ammonoidea) from Budesheim (Rhenish Massif, Germany)
Weinkauff et al.	The Evolutionary-Phylogenetic Pathway of <i>Aegocrioceras</i> spp. – revisiting a Cretaceous Ammonoid
Ifrim et al.	The world's largest ammonite <i>Parapuzosia</i> (<i>P.</i>) <i>seppenradensis</i> (Landois, 1895) – Ontogeny, evolution and palaeogeographic distribution
Grossmann et al.	Latitudinal Gradient in functional Diversity of marine Mollusk Assemblages from the lower Miocene (~20 Ma) of the southeast Pacific Coast of Chile
Peña-Kairath et al.	Predation on Miocene marine Mollusks along a latitudinal gradient in the southeastern Pacific (Presenter: Sven Nielsen)
Session 15	
Open Topics Micropalaeontology & Invertebrates III	
Pauly	New Insights into the World of Mesozoic Echinoderms – Exceptionally Preserved Fossils from the Ornatenton Formation of the Wiehen Hills (Callovian, Middle Jurassic)
Kowalewska	Trilobite diversity in Baltoscandian erratic boulders
Javadova	To the study of Ostracod of the Quaternary Deposits in the South Caspian Offshore part of the Basin
Braig et al.	Raptorial appendages in mantis shrimps – evolution of a specialized predatory apparatus
Geißler et al.	The Origin of the Burmese Amber Wildlife – How the Fossil Record of Arachnids Sheds a Light on Cretaceous Paleogeography