



**T44.1 - IGCP 632 Continental Crises of the Jurassic: Major extinction events and environmental changes**    *Date* **Monday, 29 August 2016**    *Time* **14:00** *to* **15:30**  
*Chair*    *Room* **Reg Foyer 2**

Times		Paper # Title	Speaker	
14:00	14:30	4203 The Nothal Jurassic record as preserved in sequences of Zealandia	Dr. Hamish Campbell	Keynote
14:30	14:45	5281 Changes in carbon dioxide concentrations across the Cretaceous-Paleogene boundary revealed by first Southern Hemisphere (New Zealand) stomatal proxy-based pCO <sub>2</sub> reconstruction	Prof. Vivi Vajda	
14:45	15:00	4626 Implications of U-Pb zircon CA ID-TIMS ages for high-resolution stratigraphy and timescale of Jurassic-Cretaceous continental strata of northern China	Mr. Sean Kinney	
15:00	15:15	492 <sup>40</sup> Ar/ <sup>39</sup> Ar age for the fossil-bearing Tiaojishan Formation in NE China	Dr. Su-Chin Chang	
15:15	15:30	3459 USING THE ISOTOPIC CONTENT OF FOSSIL REMAINS AS EVIDENCE OF PALEOENVIRONMENTAL CONDITION OF THE LATE JURASSIC WEST GONDWANA.	Dr. Paulo Roberto Souto	

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16:00	16:30	1503 The Geology and Palaeontology of Tanzania	Dr. Emma Msaky	Keynote
16:30	16:45	4498 Astronomical constraints on the duration of the early jurassic pliensbachian and toarcian stages and global carbon-cycle and climatic perturbations	Dr. MICHA RUHL	
16:45	17:00	4790 Lacustrine expansion and carbon drawdown during the early Toarcian Oceanic Anoxic Event	Prof. Dr. Stephen P. Hesselbo	
17:00	17:15	4781 Low-latitude terrestrial climate cooling event in the Late Triassic (Norian-Rhaetian): palaeobotanical evidence from the Sichuan Basin, southern China	Prof. Yongdong Wang	
17:15	17:30	2789 Temporal and spatial distribution pattern of the marine-brackish-water bivalve <i>Waagenoperna</i> in China and its implications for Triassic–Jurassic transition climate and palaeogeography	Prof. Jingeng Sha	
17:30	17:45	3861 Jurassic reef events in Moroccan Atlasic domain (Middle Atlas and Central High Atlas in particular)	Dr. Driss SADKI	

Times	Paper # Title	Speaker
	1390 Hexactinellid sponge <i>Amphispongia</i> from Pennsylvanian of United States of America	Msc. Lucas Mouro
	2414 First report on Trace Fossils from flysch sediments of Nagaland, Northeast India and their Significance	Dr. Hemanta Singh Rajkumar
	1416 Carbon isotope in tooth enamel of Pleistocene megamammals from Alagoas and Pernambuco, northeastern Brazil	Dr. Alcides Sial
	4333 New findings of galeaspid (Agnatha) from the Siluro-Devonian of China	Dr. Zhikun Gai Dr. Yuhai Liu Dr. Min Zhu
	257 Corals of Narara Bet, Jamnagar District, Gujarat and its implication in Sea level Changes	Dr. Arpita Pankaj
	920 Middle Ordovician La Cristalina Formation: After 50 years new fossil localities were found, including the first Ordovician foraminifera in Colombia	Ms. Maria Fernanda Almanza Melendez
	2235 Turrilline dominated assemblages from the Miocene of Kutch, western India reveal depositional histories and the nursery ground of the species	Dr. Kalyan Halder
	4718 On <i>Damonella ultima</i> from the Santana Formation (Upper Aptian, Lower Cretaceous), Araripe basin, Northeastern Brazil	Dr. Lucas Antonietto
	311 Role of temperature in brachiopod migration? Evidence from the Jurassic sediments of western India	Dr. Debahuti Mukherjee
	4875 Taxonomy of <i>Cypridea Bosquet 1852</i> (Crustacea, Ostracoda) from Quiricó Formation, Lower Cretaceous from São Francisco basin, State of Minas Gerais, Brazil: new relative dating and remarks on nodding	Ms. Amanda Moreira Leite
	1807 Advance in Cretaceous bennettitalean trunk from China	Dr. Yeming Cheng
	2311 The Microvertebrate fauna from the Palaeocene – Eocene of Akli Formation of Barmer Basin, Western Rajasthan, India	Dr. Shanker Lal Nama
	3954 Dwarfism of irregular echinoids from Poland during the Campanian-Maastrichtian Boundary Event (CMBE)	Ms. Katarzyna Leško Dr. Mariusz Salamon
	2304 A first report of wood-boring trace fossil <i>Asthenopodichnium</i> and <i>Teredolites</i> from the Barmer Hill Formation of the Barmer Basin, Western Rajasthan, India.	Dr. Suresh Chandra Mathur
	2306 First Report of Trace Fossils from Lower Odonia Member of Lathi Formation of Jaisalmer Basin, Akal area, district - Jaisalmer, Western Rajasthan, India.	Dr. Virendra Singh Parihar
	5193 Stratigraphy and paleoecology of Middle Jurassic dinocyst assemblages from the Dnieper-Donets Basin of central Ukraine	Dr. Olena Shevchuk Professor Vivi Vajda
	3457 Juvenile <i>Kosoidea</i> sp. from Lower Paleozoic strata, Paraná Basin, Brazil	Dr. Carolina Zabini
	3933 Dwarfism of irregular echinoids from Poland during the Campanian-Maastrichtian Boundary Event (CMBE)	Ms. Katarzyna Leško
	3788 Towards a better understanding of the origins of microlens arrays in Mesozoic echinoderms	Dr. Przemysław Gorzelak
	338 Fossil woods from the Cretaceous deposits of Russian Far East	Dr. Maxim Afonin
	2760 Changes in rodent associations from cave sediments (Romania) during the Upper Pleistocene main climatic events	Dr. Alexandru Petculescu

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08:00	08:30	4625 The relationships between Middle-Late Jurassic tectonics and formation of the Yanliao biota	Prof. Diying Huang	Keynote
08:30	08:45	967 Problem of terrestrial Jurassic and Cretaceous boundary in northern China	Prof. Xiaoqiao Wan	
08:45	09:00	1352 Late Cretaceous ostracod fauna from the Shenjiatun section (Songliao Basin, Northeast China) and its biostratigraphic, palaeoenvironmental implications	Dr. Yaqiong Wang	
09:00	09:15	4010 The record of caddisfly-dominated microbial-carbonated bioherms from the Early Cretaceous Yixan Formation in western Liaoning, China: occurrence and palaeoenvironmental implications	Mr. Jiang Xu Mr. Enpu Gong	
09:15	09:30	1237 The Earliest Herbaceous Seed Plant from the Middle Jurassic of China	Prof. Xin Wang	
09:30	09:45	4631 Feathered dinosaurs of Chinese Mesozoic lacustrine lagerstätten: Extraordinary preservation or extraordinary effort?	Dr. Paul Olsen	
09:45	10:00	835 Mesozoic nonmarine palaeogeography and palaeotectonic evolution in the Middle-East China	Dr. Yongqing Liu	

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10:30	10:45	4550 Palaeoecology and palaeoenvironments of Glossopteris forests from the heart of Gondwana: the Lambert Graben, east Antarctica	Prof. Stephen McLoughlin
10:45	11:00	3857 The Pristerognathus AZ and the aftermath of the Capitanian extinction event in the main Karoo Basin	Dr. Michael Day
11:00	11:15	3735 Tapinocephalid dinocephalians, the first large terrestrial tetrapods – Potential for refined Middle Permian Biostratigraphy?	Prof. Bruce Rubidge
11:15	11:30	691 Preliminary findings: An in depth litho and biostratigraphic analysis of the Lower Beaufort Group, Karoo Supergroup, Mr. David Groenewald between Jagersfontein and the Orange river in the central Free State Province, South Africa, and implications for the depositional history of a distal bulge.	Mr. David Groenewald
11:30	11:45	5279 Tetrapod biocorrelation of Pangea: the Permo-Triassic terrestrial vertebrate faunas of South Africa and Russia	Dr. Fernando Abdala
11:45	12:00	4456 On the evolutionary history of the Gorgonopsia, with new information on their global first and last appearances	Dr. Christian Kammerer

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14:00	14:15	4679 The Beaufort-Stromberg contact in the main Karoo Basin – the most important unconformity surface for understanding the basin's development	Dr. Philip John Hancox
14:15	14:30	5347 South Africa's Triassic-Jurassic sauropodomorph fauna: phylogenetic fit to stratigraphy, evolutionary rates, and the biased appearance of characters in time	Prof. Jonah Choiniere
14:30	14:45	3618 The fossil plants from the Middle Triassic Linjia Formation in Benxi of eastern Liaoning, China and its paleoclimatic implication	Prof. Yi Zhang
14:45	15:00	617 Paleoeological and taphonomic analysis of Permian coal seam of Rio Bonito Formation, Paraná basin, western Gondwana	Dr. FRESIA RICARDI-BRANCO
15:00	15:15	90 Paleoneurology of Therapsida (Synapsida) and the Evolution of soft tissue traits in the mammalian ancestry	Dr. Julien BENOIT
15:15	15:30	833 Southeastern Australia's Cretaceous polar tetrapods in a Greenhouse World	Dr. Thomas Rich

Times		Paper # Title	Speaker
16:00	16:15	2770 Systematic description of putative animal fossils from the early Ediacaran Lantian Formation of South China	Dr. Bin Wan
16:15	16:30	3960 An Early Ediacaran Predator from the Southwestern Siberian Craton: When did the Dawn of Metazoan Begin?	Dr. Julius Sovetov
16:30	16:45	4316 Ediacaran tubular fossils with Burgess Shale-type preservation, Arroyo del Soldado Group, Uruguay	Dr. Claudio Gaucher
16:45	17:00	1068 Why Corumbella is a Cloudinid and not a Conularid	Dr. Bernd Erdtmann Dr. Detlef Walde
17:00	17:15	4165 Ediacaran macroalgae and the early evolution of animals	Mrs. Natalia Bykova
17:15	17:30	3612 Behavioural and taphonomical testimony of Treptichnus pedum, inferences from the Nagaur Sandstone, Marwar Supergroup, India	Dr. Mukund Sharma
17:30	17:45	1678 The Last of the Ediacara Biota: The Precambrian-Cambrian Boundary at Mt. Dunfee, Nevada, USA	Dr. Emmy Smith

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	370 Exploring for Vertebrate Fossils in the Riversleigh Area of Queensland using Field-Portable XRF	Prof. David Cohen
	4661 Conchostracans of the Middle-Late Jurassic Daohugou and Linglongta beds in NE China	Mr. Huanyu Liao Dr. Diying Huang Mr. Yanbin Shen
	1581 Geochemical evidences for photic zone euxinia during the end - Ordovician mass extinction event from the black shales of Poland	Mrs. Justyna Smolarek
	4958 The Hirnantia fauna and the stratigraphic assessment of the uppermost Ordovician in the central Anti-Atlas (Morocco)	Dr. Enrique Villas
	2150 Ordovician acritarch studies in China	Dr. Kui Yan
	3225 Evaluating Uranium as a Tool to Infer Cryogenian Marine Oxygenation	Ms. Claire Miles
	5067 Spina bifida in an Early Triassic tetrapod from South Africa	Dr. Jörg Fröbisch
	3437 A fossil biota indicates the presence of warm and wet lowlands in central Tibet during the late Oligocene	Dr Feixiang Wu
	4012 Caddisfly-dominated microbial-carbonate bioherms from the Early Cretaceous Yixian Formation, Western Liaoning China	Mr. Enpu Gong Mr. Jiang Xu
	4248 The paradox of "clam shrimp" paleoecology	Dr. Paul Olsen
	2905 Why is sexual size dimorphism restricted to a single lineage of post-Triassic nautiloids?	Dr. Kalyan Halder



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08:00	08:15	4255 New Precambrian trace fossils, the end of the Ediacara biota, and the first mass extinction of complex life	Dr. Simon Darroch	
08:15	08:30	2523 Beyond the stony veil; reconstructing early trace fossils using Micro-CT analysis, a case study from the Yangtze Gorges area, South China.	Dr. Michael Meyer	
08:30	08:45	984 Authigenic and early diagenetic minerals as indicators of geomicrobiological processes in shelly fossil preservation and their significance for late Neoproterozoic-early Palaeozoic near-surface environments	Mr. Drew Muscente	
08:45	09:00	4728 Studies In Ediacaran Preservation	Dr. Marc Laflamme	
09:00	09:30	4911 Improving the Ediacaran geological time scale for the study of oceanic redox history and early animal evolution	Prof. Shuhai Xiao	Keynote
09:30	09:45	4544 The palaeobiology of Ediacaran rangeomorphs: reproduction, environmental sensitivity and ecological succession	Ms. Charlotte Kenchington	
09:45	10:00	5635 Mistaken Point (Ediacaran, Canada): The World's First Precambrian World Heritage Site	Prof. Guy Narbonne	

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10:30	10:45	3374 The Environmental Context of the Cryogenian-Ediacaran Diversification of Metazoa	Dr. Douglas Erwin
10:45	11:00	4991 Early diversification of the Cambrian Explosion: Significance of a remote graveyard in the Sirius Pass, North Greenland	Dr. David Harper
11:00	11:15	3642 Onychophorans: a key role in understanding arthropod origins?	Prof. Gianni Liu
11:15	11:30	4405 New advance of Guangweicaris from the Cambrian (Stage 4, Series 2) Guanshan Biota in Kunming , Yunnan , South China	St. Yichen Wu
11:30	11:45	4723 Substrate-related phenotypic variation in the Cambrian Burgess Shale brachiopod Micromitra burgessensis	Dr. Timothy Topper
11:45	12:00	1697 Primary producers and detritivores: Microbial fossils from the lowest Cambrian of South China	Professor Xingliang Zhang

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14:00	14:15	1128 Ecology and phylogenetic affinity of the early Cambrian tubular microfossil <i>Megathrix longus</i>	Mr. Xiaodong Shang
14:15	14:30	1134 A new locality of the Burgess Shale-type fauna from the Lower Cambrian Shuijingtuo Formation in Changyang, Hubei, South China	Dr. Dongjing Fu
14:30	14:45	2255 The diversity and systematics of early Cambrian lophotrochozoans (the Chengjiang Lagerstätte, China): discoveries and new progress	Prof. Zhifei Zhang
14:45	15:00	4396 New species of Vetulicolians from the Lower Cambrian Guanshan Biota, China	St. Jinshu Li
15:00	15:15	3132 Early sponges and toxic protists: Cryostane, a new biomarker antedating Sturtian Snowball Earth	Dr. Jochen Brocks
15:15	15:30	3579 Evolution of biological innovations in early complex cells	Prof. Emmanuelle J. Javaux

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16:00	16:15	4276 Origin and diversification of Precambrian eukaryotes: Evidence from Proterozoic successions of India	Dr. Mukund Sharma
16:15	16:30	3358 New record of organic-walled, morphologically distinct microfossils from the late Paleoproterozoic Changcheng Group in the Yanshan Range, North China	Ms. Lanyun Miao
16:30	16:45	2421 Evolutionary trends of the earliest eukaryotes: evidence from the 1.8 Ga Changcheng Group and the 1.7-1.4 Ga Ruyang Group, North China Craton	Dr. Heda Agić
16:45	17:00	720 Unraveling biological information from early single-celled eukaryotes in the Paleo-Mesoproterozoic Ruyang Group, North China	Dr. Ke Pang
17:00	17:15	4705 Decimeter-scale multicellular eukaryotes from the 1.56-billion-year-old Gaoyuzhuang Formation, North China	Prof. Maoyan Zhu
17:15	17:30	1684 Biostratigraphy, chemostratigraphy and kerogen paleothermometry of the Proterozoic Mbuji-Mayi Supergroup (Kasai, Democratic Republic of Congo)	Mr. Blaise KABAMBA BALUDIKEY
17:30	17:45	1012 Biostratigraphic succession of acanthomorphic acritarchs of the Ediacaran Doushantuo Formation at the Yangtze Gorges area and its implication for the global correlation	Prof. Pengju Liu

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	1291 New Discoveries in the late Neoproterozoic of Namibia: New Material-New Analysis	Dr Patricia Vickers Rich
	744 Eopriapulites sphinx from the Early Cambrian of South China	Prof. Yunhuan Liu
	746 Phosphatized Quadrapyrgites from the Early Cambrian of South China	Prof. TieQuan Shao
	3605 An Early Multicellular Holozoan from the 1 Ga Torridon Group, Scotland	Dr. David Wacey
	3463 Did early eukaryotes thrive in ancient lakes? New evidence from the Torridonian Supergroup, NW Scotland	Dr. Eva Stüeken
	753 New Discoveries in the late Neoproterozoic of Iran	Dr. Patricia Vickers Rich
	1802 Multicellular microfossils from the Tonian Liulaobei Formation, North China	Mr. Qing Tang
	745 Xixiang Biota of the Early Cambrian from the Northern Yangtze Platform	Prof. TieQuan Shao
	847 Diversification of early life: microfossils of the c. 2.4 Ga Turee Creek Group, Western Australia	Ms. Erica Barlow
	1001 Early Cambrian palaeobiogeography of the Zhenba–Fangxian Block (South China): Independent terrane or part of the Yangtze Platform?	Dr. Ben Yang
	3766 Observations on the Lower Cambrian ichnospecies <i>Monomorphichnus multilineatus</i> recorded from the Marwar Supergroup, India: A review	Dr. Mukund Sharma
	944 New Small Shelly Fossils <i>Acanthocassis</i> from the Early Cambrian	

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08:00	08:15	3019 Evaluating aridity using triple oxygen isotopes in tooth enamel	Ms. Sophie B. Lehmann
08:15	08:30	763 (U-Th)-He dating of CaCO <sub>3</sub> speleothems: a new perspective for dating fossil-bearing cave deposits	Mr. Tebogo Vincent Makhubela
08:30	08:45	5460 Evidence for former land surfaces on the emergent South Coast shelf, South Africa	Dr. Hayley Cawthra
08:45	09:00	2495 Subtropical precipitation and the evolution of ocean temperature gradients over the last 5 million years	Dr. Natalie Burls
09:00	09:15	1031 Palaeoclimatic implications of summer breeding frog taxa from Langebaanweg at 5.1 Mya at the south-western tip of Africa	Dr. Thalassa Matthews
09:15	09:30	2047 Plio-Pleistocene hominin evolution in the Malawi Rift: Persistent C3 vegetation in heterogeneous wooded savanna ecosystems	Mrs. Tina Luedecke
09:30	09:45	4166 Mio-Pliocene environmental changes in Southern Africa	Dr. Loïc SEGALÉN
09:45	10:00	4599 Assessing the fidelity of fossil marine microvertebrate oxygen isotope signatures and their potential palaeo-ecological and -climatic utility	Dr. Milo Barham

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08:00	08:15	4885 Angolan fossil vertebrates and geotectonic influences inform Cretaceous and Cenozoic paleoenvironments of Africa	Dr. Louis Jacobs
08:15	08:30	2849 Use of morphometric data in taxonomy and functional morphology: a case study of modern and Cretaceous diving birds	Dr. Alyssa Bell
08:30	08:45	5344 Thylacocephalan arthropods from the Upper Devonian of Poland.	Mr. Krzysztof Broda
08:45	09:00	5462 The influence of coastal and marine geology on archaeological occupation in Pondoland: the South African Wild Coast	Dr. Hayley Cawthra
09:00	09:15	4903 Biogeographic mixing in the Maastrichtian of Angola	Dr. Louis Jacobs
09:15	09:30	2970 Geoarchaeology of the Douglas Korongo East and Bell's Korongo East sites, Olduvai Gorge: Preliminary results	Dr. Cynthia M. Fadem