Rodinia 2017
Scientific Program
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<tr>
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<tr>
<td>9:20:00 AM</td>
<td>Keynote: Alan Collins</td>
<td>A Full-Plate Global Reconstruction of the Neoproterozoic: An Essential Step in Quantifying Ancient Geodynamics</td>
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<tr>
<td>10:00:00 AM</td>
<td>Andrew Merdith</td>
<td>Kinematic Constraints on the transition from ‘West’ Rodinia to East Gondwana</td>
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<tr>
<td>10:20:00 AM</td>
<td>Feifei Zhang</td>
<td>Geochemical, Ar-Ar geochronological and Sr-Nd isotopic constraints on the origin of Late Mesozoic volcanic rocks from the West Qinling area in China</td>
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<tr>
<td>10:40:00 AM</td>
<td>Yunpeng Dong</td>
<td>Tectonic evolution of the East Kunlun Orogen, Northern Tibetan Plateau</td>
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<tr>
<td>11:20:00 AM</td>
<td>Helen McFarlane</td>
<td>Nascent Palaeoproterozoic episodic collisional orogenesis: The Eburnean Orogeny of the West African Craton</td>
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<tr>
<td>11:40:00 AM</td>
<td>Shengsi Sun</td>
<td>Deformation of the Songshugou ophiolite in the Qinling orogen</td>
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<tr>
<td>12:00:00 PM</td>
<td>Zhao Yang</td>
<td>Geochronologic constraints on formation and exhumation of the Foping migmatitic gneiss dome, Qinling Orogen, central China</td>
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<tr>
<td>1:40:00 PM</td>
<td>Keynote: Richard Ernst</td>
<td>Precambrion Mantle Plume Centres and Breakup Margins Identified Using the Large Igneous Province Record</td>
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<tr>
<td>2:40:00 PM</td>
<td>Xiaohu Zhou</td>
<td>Dyke Swarms Distribution and Remote Sensing Images Characteristics in NE Hami, Xinjiang, China</td>
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<tr>
<td>3:20:00 PM</td>
<td>Shuguang Song</td>
<td>Secular breakup of Rodinia from mantle-plume activity to continental rifts to ocean basin (Northern Tibetan Plateau)</td>
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<tr>
<td>3:40:00 PM</td>
<td>Shihong Zhang</td>
<td>A Combined Geochronological and Paleomagnetic study on ~1220 Ma mafic dykes in the North China Craton and its tectonic implications</td>
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<td>4:00:00 PM</td>
<td>Invited: Steven Denyszyn</td>
<td>Beyond the Barcode: Geochronological methods responsibly applied to supercontinent reconstructions</td>
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<td>4:20:00 PM</td>
<td>Nicolas Flament</td>
<td>Implications of the mobility of the Perm Anomaly for tectonic reconstructions in deep geological time</td>
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<td>Evening</td>
<td>Keynote: Dietmar Muller</td>
<td>Linking plate motions to geodynamic models in deep time – a review of current obstacles and potential solutions</td>
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<tr>
<td>9:00:00 AM</td>
<td>Keynote: David Evans</td>
<td>Continuous quantitative model of global paleogeography through 1.8 billion years</td>
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<td>9:40:00 AM</td>
<td>Michael Tetley</td>
<td>A computational framework to optimise global absolute plate motion models</td>
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<td>10:00:00 AM</td>
<td>Simon Williams</td>
<td>Open-source tools for the study of deep time plate tectonic reconstructions: a GPlates update</td>
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<tr>
<td>10:20:00 AM</td>
<td>Chris Spencer</td>
<td>A Palaeoproterozoic gap in the global geologic record</td>
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<tr>
<td>10:40:00 AM</td>
<td>Bruce Eglington</td>
<td>Achieving improved constraints for crustal evolution: the advantages of multiple, diverse datasets</td>
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<tr>
<td>11:40:00 AM</td>
<td>Keynote: Thorsten Becker</td>
<td>Geodynamics of plate motions and long-term Earth evolution</td>
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<td>12:20:00 PM</td>
<td>Grant Cox</td>
<td>Does the Earth have a fundamental frequency?</td>
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<td>12:40:00 PM</td>
<td>Zheng-Xiang Li</td>
<td>Decoding Earth's rhythm: Modulation of supercontinent cycles by longer superocean cycles</td>
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<td>2:00:00 PM</td>
<td>Ross Mitchell</td>
<td>Girdle Earth: The snowball Earth arc magmatism system</td>
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<td>2:20:00 PM</td>
<td>Louis Moresi</td>
<td>The evolving nature of continental dynamics since the Archean</td>
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<tr>
<td>2:40:00 PM</td>
<td>Mikael Grenholm</td>
<td>A geodynamic model for the Paleoproterozoic Birimian Orogen of the southern West African Craton</td>
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<td>3:20:00 PM</td>
<td>Keynote: Bill Collins</td>
<td>Billion year, mantle convection cycles through Earth history</td>
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<td>4:20:00 PM</td>
<td>Keynote: Joanne Whittaker</td>
<td>East Gondwana breakup and microcontinent formation</td>
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<td>5:00:00 PM</td>
<td>David Moore</td>
<td>The VanDieland microcontinent in Rodinia</td>
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<tr>
<td>Evening</td>
<td>Keynote: Peter Cawood</td>
<td>Lithospheric Evolution and the supercontinent cycle</td>
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<td>Tuesday 13th June</td>
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<tr>
<td><strong>THEME 1</strong></td>
<td><strong>Assembly of Australia in supercontinent cycles</strong></td>
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<tr>
<td>Theme coordinators: Dr Jacqueline Halpin, Dr Robin Armit, Prof. Peter Betts</td>
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<tr>
<td>9:00:00 AM</td>
<td>Weihua Yao</td>
<td>Long-travelled sediments from India to Australia in the assembled Gondwana</td>
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<tr>
<td>9:20:00 AM</td>
<td>Jacqueline Halpin</td>
<td>Australo-Antarctica in Gondwana: A view from the edge</td>
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<td><strong>9:40:00 AM</strong></td>
<td><strong>Keynote: Catherine Spaggiari</strong></td>
<td>Assembly of Australia in supercontinent cycles</td>
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<tr>
<td>10:20:00 AM</td>
<td>Robin Armit</td>
<td>Palaeogeography of the South Australian Craton within Nuna</td>
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<td>10:40:00 AM</td>
<td>Jacob Verbaas</td>
<td>A sedimentary overlap assemblage spanning the Gawler Craton and northwestern Laurentia at 1.6 Ga</td>
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<td>Adam Nordsvan</td>
<td>Laurentian Provenance of the NE Australian Paleoproterozoic Georgetown Inlier – Implications for Nuna Amalgamation</td>
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<td>Jacob Mulder</td>
<td>Rodinian devil in disguise: Correlation of 1.25—1.15 Ga strata between Tasmania and Grand Canyon, Arizona</td>
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<td>12:00:00 PM</td>
<td>Bo Yang</td>
<td>Spatial and Temporal Detrital Zircon U-Pb Provenance of the Hydrocarbon-Bearing Upper Roper Group, Beetaloo Sub-basin, Northern Australia</td>
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<td>12:20:00 PM</td>
<td>Amaury Pourteau</td>
<td>Tectonic evolution of NE Australia during the assembly of supercontinent Nuna: a multi-disciplinary reappraisal</td>
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<td>1:40:00 PM</td>
<td>Yebo Liu</td>
<td>Palaeomagnetism of the Boonadgin Dyke Suite, Yilgarn Craton: Implications for the Assembly of the Western Australian Craton and Possible Connection with India</td>
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<td>2:00:00 PM</td>
<td>Peter Betts</td>
<td>Accretion of Northern Australia during Nuna amalgamation via recycling of ribbon microcontinents</td>
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<td><strong>Discussion</strong></td>
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<td><strong>THEME 6</strong></td>
<td><strong>Supercontinent cycles and mineral systems</strong></td>
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<td>2:40:00 PM</td>
<td>David Huston</td>
<td>Mineral deposits through time: reflections of Earth's tectonic and environmental history</td>
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<td><strong>3:20:00 PM</strong></td>
<td><strong>Keynote: Sally Pehrsson</strong></td>
<td>Effect of supercontinent assembly on metal endowment in space and time</td>
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<td>4:00:00 PM</td>
<td>Michael Doublier</td>
<td>3D model of the major crustal boundaries of Australia: implications for mineral systems understanding</td>
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<td>4:20:00 PM</td>
<td>George Gibson</td>
<td>Late Paleoproterozoic-earliest Mesoproterozoic orogenesis and sediment-hosted Pb-Zn mineralisation in northern Australia: a legacy of supercontinent assembly and plate convergence between Australia</td>
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<tr>
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<td>David Huston</td>
<td>Mineral systems of the Paterson Province, Western Australia: diverse metallogeny associated with Rodinia break-up</td>
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<td>5:00:00 PM</td>
<td>Uwe Kirsner</td>
<td>Gulf of Nuna: Mesoproterozoic hydrocarbon burial during supercontinent breakup</td>
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<td>Grant Cox</td>
<td>The Derim Derim Event of Northern Australia – Geochemical characterisation and impact on hydrocarbon development</td>
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<td>9:00:00 AM</td>
<td>Keynote: Sergei Pisarevsky</td>
<td>New Progress and Constraints on Supercontinent Reconstructions</td>
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<td>9:40:00 AM</td>
<td>Johanna Salminen</td>
<td>Expanding the core of Nuna supercontinent - Paleogeography of the Congo/São Francisco craton at 1.5 Ga</td>
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<tr>
<td>10:00:00 AM</td>
<td>Geoffrey Grantham</td>
<td>Insights into the extent of southern Gondwana in Rodinia: Geochronology and Nd and Sr radiogenic isotope data</td>
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<td>10:20:00 AM</td>
<td>Chris Adams</td>
<td>Rodinia in Zealandia; some clues from Precambrian zircons</td>
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<td>11:00:00 AM</td>
<td>Sheree Armistead</td>
<td>Suturing Madagascar and India – new insights from Lu-Hf data and multi-dimensional scaling of U-Pb detrital zircon data</td>
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<td>11:20:00 AM</td>
<td>Erin Martin</td>
<td>Evaluation of full-plate reconstructions of the Neoproterozoic using Hf isotopes in zircon</td>
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<td>Naresh Kochhard</td>
<td>Archean continental crust beneath Mauritius: Implications for the Greater Malani Continent</td>
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<td>1:00:00 PM</td>
<td>Vladimir Pavlov</td>
<td>New data from the northern Uchur-Maya region (eastern Siberia) seem to confirm the Siberia-Laurentia coherence during the Late Mesoproterozoic-Early Neoproterozoic</td>
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<td>1:40:00 PM</td>
<td>Piotr Krzywiec</td>
<td>Rodinia break-up along the SW margin of the East European Craton (SE Poland) – new evidence based on deep seismic and grav-mag data</td>
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<td>Bin Wen</td>
<td>Paleomagnetism of early-Neoproterozoic volcanic rocks in SW Tarim and its paleogeographic</td>
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<td>Robert Boris</td>
<td>Constraints on the Ediacaran Inertial Interchange True Polar Wander Hypothesis: a New Paleomagnetic Study in Morocco (West African Craton)</td>
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<td>Jiu-long Zhou</td>
<td>Ca. 750–720 Ma tectonic transition recorded in the Bemarivo terrane balances the global plate kinematic budget during Rodinia break-up</td>
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<td>Qiwei Li</td>
<td>Heterogeneous mantle source modified by subduction beneath the western Yangtze Block, South China: evidence from Neoproterozoic Dengxiangying mafic dikes</td>
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<td>Zhibin Lei</td>
<td>LA-ICP-MS U-Pb Dating of Heishitougou Basaltic Zircons: Implications for a More Extensive and Lasting Effect of the Paleo-Asian Ocean Southward Subduction</td>
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