

	Monday	Tuesday	Wednesday	Thursday	Friday
Chair	Alanis Olesch-Byrne + Tim Chapman	Jeremy Asimus		Jonathon Leonard + Robyn Gardner	Alanis - SGEG Sponsor
9:00 - 9:15	Welcome - President and Vice President	Hobbs & Ord Non-Andersonian faults, fractures and veins (or S10)		Capitanio et al. Ishtar Terra highlands on Venus raised by craton-like formation mechanisms	Ubide et al. Quiet vs loud arc volcanoes. A microanalytical perspective into magmatic architecture across the Central Andes (or S3)
9:15 - 9:30	Rosenbaum et al. Formation of domes and basins by syn-deformational granite emplacement (or S9, S10)	Ord & Hobbs. Automatic quantitative analysis and classification of spatial patterns (fabrics) (orS6)		Kirby et al. Impacts on asteroids: immiscible melt formation and metal accumulation under low-gravity conditions	Parra-Encalada et al. Plagioclase as a mineralization marker in Porphyry Copper Deposits (or S3)
9:30 - 9:45	Qing Zhang et al. Magmatic Record of Carboniferous Slab Rollback Along the Australian Tasmanides of Eastern Gondwana	Finch et al. Porosity changes in shear zones during tectonic switching		Merdith et al. Solid-Earth controls on Phanerozoic icehouses	Ward et al. Slab tearing as a driver of porphyry ore deposit formation in island arcs (or S3)
9:45 - 10:00	Mahoney et al. Crustal architecture and geological evolution of the Central Lachlan Orogen: Insights from new deep crustal seismic imaging of the Yathong-Cobar-Hermidale region, NSW	Olesch-Byrne et al. Deformation mechanisms in a shear zone ore fluid conduit (or S2, S10)		Williams et al. Magnetization of oceanic lithosphere from modelling of satellite observations (or S3)	Yaxley et al. The solubility of monazite in carbonate melts – implications for monazite formation in carbonatites
10:00 - 10:15	Henderson & Fergusson. Detrital zircon ages conflict with an island arc interpretation for older (Silurian-Devonian) rock assemblages of the New England Orogen	Wilson & Peternell. Origin of textures in quartz veins: insights from 2D in situ ice experiments		Chukwu et al. Crustal structure and role of inheritance in the evolution of southeast Australia's triple junction	Xing et al. REE transport in hydrothermal mineralizing systems: implications from thermodynamic models (or S3)
10:15 - 10:30	Milan	Singh et al. Moving to 3D: Constraints on Shape Fabric and Strain in mantle rocks		Zoleikhaei et al. Magmatic maturation of Archean continental crust via a three-step crustal reworking	Weller et al. New thermodynamic models for alkaline-silicate magmatic systems reveal fractionation at a mid-crustal tipping point primes REE-mineralised alkaline igneous rocks
10:30 - 11:00	Morning Tea			Morning Tea	
Chair	Kim Jessop	Nathan Daczko		Nicko Wvndham + Tim?	Daniela Parra Encalada +Alanis
11:00 - 11:15	Vitale-Brovarone et al. Extreme energy from the deep, at convergent margins (or S4, S10)	Piazolo et al. Signatures of changing deformation rate dynamics in deforming rocks: Examples from the exhumed Slow Earthquake Zone of New Caledonia		Tikoff et al. Evidence for and against multiple punctuated crustal overturn events in the Pilbara craton, Western Australia	Tomkins. Metamorphic fluids and varieties of orogenic mineralisation (or S10)
11:15 - 11:30					Stanislav. Linking magmatism to orogenic gold mineralization through zircon geochemistry
11:30 - 11:45	Halpin et al. Ediacaran-Cambrian high-strain melt-present deformation during gravitational spreading of the ancestral East Antarctic mountains (or S9)	Green & Powell. Phase equilibrium modelling: a frosted window onto geological processes (or S3, S9)		Gessner et al. A rift-transform origin for the East Pilbara Terrane	Ollierook et al. Argyle pink diamonds: a story that involves a super continental break up (or S3)
11:45 - 12:00	Musgrave & Rosenbaum. Can soft collision lead to plate tectonic reorganisation? Revisiting the Ontong Java Plateau paradox (or S9)	Volante et al. Oxygen isotope shifts during continental anatexis: fingerprints of fluid-fluxed melting		Zibra et al. More than 2 billion years of shearing along the western margin of the Yilgarn Craton (Western Australia)	Centrella et al. Reconstructing the fluid pathways in sedimentary basin using a mass balance approach: example of the Benassal Formation, Spain
12:00 - 12:15	Lee et al. Finding 'Lost Pacifica': Reconstructing Mesozoic northeast Gondwana through sedimentary provenance investigations in the Laura, Capricorn, and Styx basins	Spier et al. U-Pb apatite and zircon ages of dolerite from the Baryulgil Serpentine, NSW: Insights into the emplacement age of the ultramafic massif (or S4)		Rey et al. Archean Dual Geodynamics Underneath Weak, Flat, and Flooded Continents	Doucet & Li. Large scale mantle heterogeneity: A legacy of plate tectonic supercycles
12:15 - 12:30	Collins et al. Geological constraints on Proterozoic mountains – reconstructing the largest mountain range of the last billion years (or S9)	Mayer-Ullman et al. Thermal history of the East Antarctic margin recorded in apatite: Campaign-style Lu-Hf, U-Pb, fission track and U-Th-Sm/He results (or S9)		Hayman & Senyah. Reconstruction of a Paleoproterozoic Greenstone Belt and comparative study to Late Archean Greenstone Belts	
12:30 - 13:30	Lunch			Lunch	
Chair	Jack Ward + Jeremy	Nick Tailby		Chibuzo Chukwu + Kim	Luke Milan
13:30 - 13:45	Wang et al. P-T-fluid-deformation evolution of UHP eclogites, Sulu belt, China and implications for exhumation dynamics	Langone et al. Reactive and resilient: the behaviour of geochronometers during deformation (or S10)		Betts et al. From continental rifting to seafloor spreading. Controversies and insights from the Red Sea	Cruden & Robin. Narrow shear zones within broad transpression zones: testing theory with analogue experiments
13:45 - 14:00				Asimus et al. Microcontinents formed during a messy breakup between India and Antarctica (or S7)	Withers et al. A baseline model for fault development across transpressive plate boundaries
14:00 - 14:15	Payne et al. A revised temporal and tectonic framework for the Delamerian Orogeny and Australia's active eastern margin (or S3, S9)	Ribeiro & Kirkland. Challenging the garnet chemical-isotopic reliability under high-temperature deformation		Abdullah & Pawley. The effect of the original tectonic grain on structural evolution during poly-phase deformation: an example from Mount Woods Domain, Gawler Craton	Ozaydin et al. Thermomechanical modelling as a tool for decoding geophysical anomalies: A case study of strike-slip pull-apart basins (or S9)
14:15 - 14:30	Mulder et al. Inherited zircon mining refines Cambrian orogenic architecture of southeast Australia	Murphy et al. In-situ Lu-Hf dating of garnet: a novel new tool for granulite geochronology (or S9)		Zoleikhaei et al. A non-arc setting for "Cadomian" magmatism in Iran and Anatolia (or S1)	Seton et al. The tectonic and volcanic history of Northern Zealandia (or S6, S9)

Field Trip

S1: Convergent margins and collisional tectonics
S2: Critical metals, magmatism and super eruptions
S3: Mantle geodynamics, geochemistry and volcanism
S4: Ophiolites
S5: Microtectonics & petrology
S6: Geodynamic modelling (numerical and analogue)
S7: Petrochronology
S8: Proterozoic sedimentary basins
S9: Tectonics-early earth, active plate boundaries, planetary

14:30 - 14:45	Rodrigues et al. Refolding an Orogen: the case of Mossman orogenic curvature in NE Australia	Morrissey et al. Garnet Lu-Hf geochronology unravels the record of Gondwanan-aged metamorphism in the polymetamorphic Rayner Complex (or S7)		Armistead et al. Mesoproterozoic tectonic and metallogenic link between Tasmania and Laurentia revealed by multi-mineral geochronology - Leaving Friday afternoon	Carey et al. Cretaceous Basement Rock Dredges from the Louisade Plateau
14:45 - 15:00	Babaahmadi & Rosenbaum. Style of thrusting in the Bowen Basin Folded Zone, Central Queensland, eastern Australia (or S9)	Fitzherbert et al. Timing post-peak reactivation episodes in the Broken Hill Block using allanite (and friends) in a shear-hosted REE-IOCG deposit (or S10)		Parui et al. Structural reconstruction of the Yeneena Basin, Western Australia – a key for understanding sedimentary-hosted copper mineralization	Singh et al. Topographic Evolution of Active Margins: Exploring the Interplay of Plate Tectonics, Mantle Convection, and Long-Term Climate using Explainable Artificial Intelligence (or S6)
15:00 - 15:30	Afternoon Tea			Afternoon Tea	Conference end
Chair	Vasileios Chatzaras	Edafe Ominigbo + Nathan Daczko		Casey Lee + Alanis	
15:30 - 15:45	Buckman et al. Ophiolite and Island Arc Terranes in the Tasmanides: Insights from the New England and Lachlan Orogens	Durney. Hypothesis-related systematic uncertainty in radiometric dating of deformation: some cases, arguments and alternative strategies		Mukherjee. Proterozoic life and sediment hosted Zn-Pb deposits: Insights from the McArthur Basin - Leaving Friday afternoon	
15:45 - 16:00	Zahirovic et al. Global ophiolite, large igneous province, and orogenic reconstructions and the implications for deep-time climate and planetary carbon cycling	Whittaker et al. The Balleny Seamount Trail – A Weak but Persistent Deep Plume (or S9)		Subarkah et al. The complex chronology of Cryogenian carbonates	
16:00 - 16:15	Keep et al. A brief history of the northern Australian margin: from basement inheritance to modern seismology (and a few mass transport deposits) (or S7)	Roy et al. Change in the basalt normative mineralogy in deep-time, and possible petrogenetic relations		Deepak et al. Multiproxy Analysis of Paleoproterozoic Shales from the Limbunya Group: Insights into Paleoenvironmental Conditions	
16:15 - 16:30	Fergusson et al. Late Cenozoic uplift associated with the Lapstone Structural Complex in eastern NSW	Kamber. New insight into the effects of trans-lithospheric magma transfer on the petrology and geochemistry of the lithospheric mantle, lower continental crust and volcanic products		Li et al. The Benmara Story: Geochemistry, Geochronology and Sedimentology	
16:30 - 16:45	Rodriguez Corcho et al. The tectonic evolution of the western North American margin since the Devonian (or S9)	Rodrigues et al. Peridotite - komatiite interaction and the origin of orthopyroxene-rich cratonic mantle lithosphere		Noptalung et al. Geochronological constraint on the timing of magmatism and sedimentation in the Dajarra region, Mt Isa Inlier, Australia	
16:45 - 17:00					

Alanis and Jeremy set up for ECR event