2026 Basins Workshop program

Day 1 (Wednesday 2nd December)

Start	End	Speaker	Organisation	Talk
08:30	09:20	*Check in, chat and network*		
09:20	09:30	*Welcoming words: Andy Wilson & Val Zuchuat*		
09:30	**10:30**	**Block 1 · Deep time: Proterozoic to Palaeozoic basins**		**Chair: Andy Wilson**
09:30	09:42	Jade Anderson	Geoscience Australia	The overlooked sibling: new age constraints on the Birrindudu Basin, greater McArthur Basin
09:42	09:54	Carmine Wainman	Geoscience Australia	Take Me to Your Correlator: Can Proterozoic ‘Aliens’ Link Stratigraphy Across Australia's Proterozoic Basins
09:54	10:06	Hannah Brooks	CSIRO	A canyon between Snowballs? Revisiting the Cryogenian of the Flinders Ranges
10:06	10:18	Fiona Burns	Task Fronterra Geoscience	Sedimentological and Ichnological Evidence of Deltaic Deposition within the Ordovician Pacoota Sandstone, Amadeus Basin
10:18	10:30	Arthur Mory	Geological Survey of Western Australia	Western Australian examples of soft-sediment striae from the Late Paleozoic Ice Age
10:30	11:15	*Morning tea*		
11:15	**12:15**	**Block 2 · NW Shelf, offshore and coastal systems**		**Chair: Val Zuchuat**
11:15	11:27	Alex Sullivan	UWA	Sedimentology and Geomorphology of the De Grey Delta: Further Insights from the 2026 Field Season
11:27	11:39	Roisin McGee	Carnarvon Energy	A Tale of Two Clinoforms: Early Archer Shelf Evolution in the Bedout Sub-basin
11:39	11:51	George Mills	Carnarvon Energy	Rinse and Repeat: The Charge History of Pavo
11:51	12:03	Alex Maftei	TBC	Out of (W) Africa - Exmouth Marginal Ridge
12:03	12:15	Giada Bufarale	NGI (Norwegian Geotechnical Institute)	Unified classification system for marine carbonates applied to offshore geotechnical engineering
12:15	13:15	*Lunch*		
13:15	**14:15**	**Block 3 · Geophysics, petrophysics and well data**		**Chair: Giada Bufarale**
13:15	13:27	Hoël Seillé	CSIRO	Imaging sedimentary basin architecture using geophysics: a probabilistic approach
13:27	13:39	Jennifer Chandra	Mineral Resources	One geologist's CRA…PER-10 is another geologist's treasure: low-cost, fundamental data that every well deserves
13:39	13:51	Joo Woi Suaniam	Ikon Science	Rock Physics of the Kingia Sandstone
13:51	14:03	Satoshi Ishikawa	INPEX	Rock physics and AVO analysis for the Yampi and Leveque shelves, southeastern Browse Basin: Building a more robust seismic interpretation
14:03	14:15	Mulky Winata	CEGAL	Stochastic Modelling of Velocity Uncertainty for Prospect Evaluation: Poseidon Area, Browse Basin
14:15	15:00	*Afternoon tea*		
15:00	**16:00**	**Block 4 · Basin fluids: groundwater, hydrogen and helium**		**Chair: Darren Ferdinando**
15:00	15:12	Olga Barron	CSIRO Environment (Future Water)	Brackish Groundwater Resources in Western Australia: Characterisation and Opportunities Across Sedimentary Basins and Beyond
15:12	15:24	Michael Donn	CSIRO	Use of tracers for groundwater system characterisation in complex, multi-layered sedimentary basin aquifers - CSIRO capabilities and examples
15:24	15:36	Ian Rogers	UWA / CSIRO	Understanding the hydrogen and helium systems on the Eyre Peninsula, South Australia: what can the water tell us?
15:36	15:48	Peter Haines	Geological Survey of Western Australia	Understanding the distribution of Tonian sub-salt reservoirs in the Centralian Superbasin: the key to sub-salt helium (and hydrogen) resources
15:48	16:00	Fariba Kohanpour	CSIRO	Multi-tiered, Multi-scale Workflows for Hydrogen Prospectivity; Integration of petroleum and mineral systems concepts
16:00	16:30	*Discussion on geoscience education*		
16:30		*Drinks at Varsity Waterford*		

Day 2 (Thursday 3rd December)

Start	End	Speaker	Organisation	Talk
08:30	09:30	*Check in, chat and network*		
09:30	**10:30**	**Block 1 · Perth Basin and Taroom Trough**		**Chair: Aisling Sloan**
09:30	09:42	Hugo Olierook	Curtin University	Constraining the age of Proterozoic basins along the Darling Fault
09:42	09:54	Alex Fuerst	Grain-e / Molyneux advisors	From Yarragadee in Warro-6 through basement under Waitsia, a tour through some immanently open file cuttings images and hyperspectral mineralogical imaging acquired on 10 Perth Basin wells for Geoscience Australia
09:54	10:06	Faranak Parvinpour	Curtin University	Revisiting the Hovea and Carynginia source rocks: Full 3D Modelling of Source Maturity, Generation, Migration, Entrapment and Remaining Potential in the North Perth Basin
10:06	10:18	Matthew Wright	Elixir Energy	Tight Sands, Different Basins: Perth vs Taroom
10:18	10:30	Mohinudeen Faiz	CSIRO	Deciphering Petroleum System of the Taroom Trough, Bowen Basin
10:30	11:15	*Morning tea*		
11:15	**12:15**	**Block 2 · Sediment-hosted minerals**		**Chair: Charmaine Thomas**
11:15	11:27	Louisa Stokes	Curtin University	A Critical Metal Behemoth: The supergiant Ti discovery hosted within the Proterozoic Yandanooka Group Sediments at the Pitfield Project, Western Australia
11:27	11:39	Val Zuchuat	CSIRO	Restore, fill, inject: integrated workflow to derisk mineral exploration in sedimentary basins
11:39	11:51	John Higgins	Cauldron Energy Ltd	Early Cretaceous sandstone-hosted palaeochannel uranium systems in the Yanrey Uranium Province, north-western WA
11:51	12:03	Mario Iglesias-Martinez	CSIRO	Ancient Landscapes, Critical Metals: How Weathering Shapes Rare Earth Enrichment at the Eucla Basin Margin
12:03	12:15	Nathan Reid	CSIRO	Groundwater chemistry: A tool to aid exploration and understanding basin lithology
12:15	13:15	*Lunch*		
13:15	**14:15**	**Block 3 · CCS and subsurface storage**		**Chair: Simon Lang**
13:15	13:27	Merrie-Ellen Gunning	Geoscience Australia	Where to look? Development and application of a basin prioritisation framework to build a pipeline of subsurface studies for CCS in Australia
13:27	13:39	Haitham Salah	Halliburton Landmark	How Much Geology Is Enough? Rethinking CO_2 Storage with Scalable Earth Modeling (SEM)
13:39	13:51	Jiabin Liang	CSIRO	Permeability prediction from well logs with machine learning for CO_2 storage formation assessment in Barrow-Dampier sub-basins
13:51	14:03	Princy Agrahari	Curtin University	Caprock Sealing Capacity and Storage Integrity during Underground Hydrogen Storage
14:03	14:15	Adam Craig	RISC	There's even exploration potential in a gas storage project (Tubridgi)
14:15	15:00	*Afternoon tea*		
15:00	**16:00**	**Block 4 · Salt, zircon and time**		**Chair: Leon Normore**
15:00	15:12	Chris Elders	Curtin University	Salt in the Fitzroy Trough
15:12	15:24	Jiankang Yi	Curtin University	Detrital zircon U–Pb geochronology of the Mallowa Salt in the Canning Basin, Western Australia
15:24	15:36	Andreas Zametzer	Curtin University	Strategies towards least biased detrital mineral age populations
15:36	15:48	Milo Barham	Curtin University	Keeping an eye on time: direct U/Pb dating of trilobite eye calcite to better constrain depositional ages
15:48	16:00	Anthony Clarke	Curtin University	Pennine Basin Origins of Britain's Tallest Prehistoric Stone Row
16:00	16:30	*Awards, Darren Ferdinando and Andy Wilson*		