

# 2024 AEES Annual Conference Program

Thursday, 21 Nov 2024		updated 22 Nov
10:00	SPARTA meeting	
12:00	Registration opens	
Speaker	Topic	
13:00	Opening	SESSION 1 - Chair: Scott Menegon
13:10	Keynote Helen Crowley	Why seismic hazard modelling has become a risky business
14:10	George Walker	Cyclone Tracy: Relevance for Earthquake Engineering Today
14:25	Matt Walden	Sydney Modern – Seismic Design of a New Gallery over Existing Infrastructure
14:40	Paul Somerville	An Updated Ground Motion Model for Australia Using Broadband Ground Motion Simulations
14:55	Afternoon Tea Break	SESSION 2 - Chair: Adam Pascale
15:30	Dan Clark	Large earthquake recurrence on the Willunga Fault, South Australia: revisited
15:45	Ambica Sharma	Structure of Neotectonic Faulting and Earthquake Magnitude Potential of the Northeastern Eyre Peninsula
16:00	David Love	The Jamestown earthquake, 16th April 2024, magnitude ML4.1
16:15	Jessey Lee	Gap factor in seismic anchor design: Closing the gap of understanding
16:30	Behnam Beheshtian	Vulnerability Assessment of Highly Populated Buildings in the Face of Earthquake and Tsunami Actions: A Case Study of the AsiaWorld-Expo in Hong Kong
16:45	Arsalan Niroomandi	Analytical Evaluation of Wide-Flange Steel Columns with Predominant Local Buckling Failure Mode
17:00	Close Day 1	
18:30	Icebreaker	Malt Shovel Taphouse
Friday, 22 Nov 2024		SESSION 3 - Chair: Scott Menegon
09:00	Keynote Tim Sullivan	Strategies to reduce damage and disruption in future earthquakes
10:00	Scott Menegon	Australian Standard updates and the proposed seismic retrofitting guidelines
10:15	Hyeuk Ryu	National Seismic Risk Assessment for Residential Buildings in Australia using NSHA23
10:30	Morning Tea Break	SESSION 4 - Chair: Dee Ninis
11:00	Invited Nic Smith	Earthquake Preparedness and Response in South Australia
11:30	Xiangzhe Weng	Prediction of Lateral Drift Behaviour of Precast Concrete Walls Using Finite Element Analysis
11:45	Angelo Thuraiajah	Seismic Lateral Stability Design to AS Codes – Further Considerations
12:00	Tatheer Zahra	Seismic fragility of non-ductile and limited ductile reinforced concrete and masonry walls
12:15	Mark Edwards	Application of USGS ShakeCast for Rapid Post- Earthquake Assessment of Critical Infrastructure Facilities in Western Australia
12:30	Lunch Break	SESSION 5 - Chair: Elisa Lumantarna
13:30	Martin Cunningham	Innovative Seismic Fuse Concept using T-Bolts Installed in Cast-in Anchor Channels
13:45	Prashidha Khatiwada	Evaluation of the Safety of Reinforced Concrete Buildings Post-Earthquake for Swift Rescue and Recovery
14:00	Eric Wang	Re-evaluation of first-motion focal mechanisms to better constrain Australia's stress field
14:15	Ruth Murdie	WA Array – Updates 2024
14:30	Israporn Sethanant	The InSAR Lookbook: a visual guide to earthquake interferograms
14:45	Poster Vic Dent	A Review of Seismicity in Southwest Western Australia for 24 Months from July 2022 to June 2024
14:50	Poster Kevin McCue	The shifting goals of earthquake monitoring in Australia, from a personal perspective
14:55	Poster Gideon Tang	Seismic Hazard to Australian Dams from Proximal Faults: Comparison of Deterministic and Probabilistic Ground Motions
15:00	Afternoon Tea Break	SESSION 6 - Chair: Peter McBean
15:30	Invited John Callea	IL4 buildings
15:45	Jared Keen	Understanding and Improving the Seismic Resilience of New Zealand Hospital Buildings
16:00	Jordan Bartlett	IL4 Special Study – Critical success factors
16:15	Hadi Ghasemi	Developing a National Ground Motion Database for Australia: Insights from the Magnitude 5.9 Woods Point Earthquake
16:30	Katherine Dix	Developments of the South Australian Historic Earthquake Catalogue, 1837-1959
16:45	Arash Nazari Rad	A summary of performance-based seismic design of non-structural components with a focus on MEP-F systems
17:00	Close Day 2	
17:00	AGM	AEES Annual General Meeting
18:00	AGM Close	
19:00	Dinner	Jolleys Boathouse
Saturday, 23 Nov 2024		SESSION 7 - Chair: Trevor Allen
09:00	Keynote Dave Wald	Rapid Earthquake Shaking Characterization and Impact Estimation
10:00	Santiago Velasquez	The 2021 MW5.9 Woods Point seismic sequence: Seismogenic fault zone identification from high-precision relocation of aftershocks
10:15	Trevor Allen	Evaluation of the NSHA23 Magnitude Conversion Equations using a new Moment Magnitude Catalogue
10:30	Morning Tea Break	SESSION 8 - Chair: Dion Weatherly
11:00	Dale Carr	AS1170.4 2024: Roles and Responsibilities in Specifications
11:15	Omar Morsy	Seismic Performance of Composite Modular Buildings with CFST Columns
11:30	Reza Ebrahimi	Preliminary Results from Phase One of the WA Array Passive Seismic Project, Western Australia
11:45	Bethany Eaton	Neotectonic features of the Snowy Monaro region, NSW
12:00	Gideon Tang	Broadband Ground Motion Simulation of the 6 February 2023 Mw 7.8 Pazarçık Earthquake in Kahramanmaraş, Türkiye: Methodology and Preliminary Results
12:15	Deelaka Jayaweerasathne	Engineering the Rocking Isolation of a Building to Withstand Wind and Seismic Actions
12:30	Lunch Break	SESSION 9 - Chair: Dee Ninis
13:30	James La Greca	Potential Influence of Shear Wave Radiation Patterns on the Distribution of Earthquake Environmental Effects during the 22 September 2021 Woods Point Earthquake, Southeast Australia
13:45	Yunqi Huang	Statistical properties and modelled duration of an intracontinental earthquake sequence: 2021 Mw 5.9 Woods Point earthquake, Australia
14:00	Hafsa Farooq	Seismic stability of ballasted and ballastless railway tracks
14:15	Hyerin Lee	Experimental Study on the Seismic Behavior of Corroded Reinforced Concrete Columns
14:30	Close Day 3	Closing remarks and best student paper award - Scott Menegon
14:45	Conference finished	