



Australian Government
Geoscience Australia



nanometrics

2023 Conference Program Day 1

Thursday 23 November

Time	Speaker	Topic
10:00 AM		SPARTA (Australian Seismologists Meeting)
12:00 PM		AEES Registration Opens
1:00 PM	Scott Menegon	Welcome & housekeeping
1:05 PM	Caroline Orchiston	Getting ready for the 'big one' – scenario-based collaborative response planning in Aotearoa New Zealand
2:05 PM	Lauren Vinnell	Earthquake perceptions, beliefs, and preparedness in the Canterbury Region: A comparison before, during and after the Canterbury Earthquake Sequence in Aotearoa New Zealand
2:20 PM	Prashida Khatiwada	Seismic Vulnerability Assessment of Buildings at an Urban Scale
2:35 PM	Elodie Borleis (poster)	SRC's AUS8 Earthquake Recurrence Model – A product of 30 years of continuous improvements of earthquake hazard data, concepts and techniques
2:40 PM	Vic Dent (poster)	Continuing seismicity from the Arthur River area, southwest Western Australia
2:45 PM	Afternoon Tea Break	
3:15 AM	Hyek Ryu	Earthquake Risk and Mitigation Assessment in the Yilgarn, WA
3:30 PM	Eric Wang	Identifying hidden faults using Coulomb stress change inversion: application to the 5.5 (mb) 1973 Picton Earthquake
3:45 PM	John Simmons	Earthquakes are Exciting for Coal Miners Too
4:00 PM	Adam Pascale	Industry-funded Monitoring of Induced Earthquakes
4:15 PM	Hossein Derakhshan	Rapid visual screening and seismic vulnerability assessment of Queensland's vintage unreinforced masonry buildings
4:30 PM	Dr Hadi Ghasemi	Development of a Web Portal for Australian Ground-Motion Data
4:45 PM	Close Day 1	

2023 Conference Program Day 2

Friday 24 November

Time	Speaker	Topic
9:00 AM	Scott Menegon	Update to AS 1170.4
9:15 AM	Alex McFadyen	Challenging Current Design Standards—Seismic Design in Australia
9:30 AM	Andreas Gustafson	Non linear pushover analysis of ordinary moment resisting frame structures in Australia
9:45 AM	Shuoguo Qui	The effect of the vertical distribution of medical services on hospital seismic resilience
10:00 AM	Angelo Thurairajah	Seismic lateral stability design to AS Codes
10:15 AM	Andrew Coumaros	Connection and Bracing System tested to allow for seismic design parameters in Australia
10:30 AM	Morning Tea Break	
11:00 AM	Doug May & Ross Bramich	Australian USAR responder to the Türkiye/Syria earthquake
12:00 PM	Jonathan Griffin	The 2023 National Seismic Hazard Assessment of Australia: Rationale for changes in hazard
12:15 PM	Mirzi Betasolo (poster)	Seismic Vulnerability Assessment of Selected High-Rise Building in Lae City, Papua New Guinea
12:20 PM	Mirzi Betasolo (poster)	Structural Monitoring of Bumbu and Butibam Bridges of Lae City, Papua New Guinea
12:25 PM	Lunch Break	
	SPECIAL SESSION	AU-PNG Partnership to enhance PNG's Disaster Risk Reduction Program
1:30 PM	Mark Edwards	Interim Amendment to PNGS 1001-1982: Translating an Improved Assessment of Seismic Hazard to Design Practice
1:45 PM	Laramel Aisi / Joseph O. Espi	The Missing Link to Effective Seismic Communication and Resilience in Papua New Guinea
2:00 PM	Raymond Yamai	Empowering Disaster Risk Reduction (DRR) in Papua New Guinea (PNG)
2:15 PM	Mirzi Betasolo	Structural Assessment on Buildings Vulnerability to Seismic Hazards in the Lae City, the Industrial Hub of Papua New Guinea
2:30 PM	Phil Cummins	A GNSS Survey of the Ramu-Markham Fault, Papua New Guinea
2:45 PM	Dan Clark	Tectonic geomorphology and Holocene uplift rates of the Lae Urban Area, PNG
3:00 PM	Afternoon Tea Break	
3:30 PM	Arash Nazari Rad	Improving Construction Compliance: The Role of BIM Modelling for Seismic Support on Non-Structural Components
3:45 PM	Georgi Clarke	Seismic Restraint of Non-Structural Elements—A New Zealand Consultant's Perspective
4:00 PM	Jordan Bartlett	An 'All hazards' approach to IL4 Special Study
4:15 PM	Prashida Khatiwada	Simplified Method of Modelling Tension Stiffening in Reinforced Concrete Walls
4:30 PM	Close Day 2	

2023 Conference Program Day 3

Saturday 25 November

Time	Speaker	Topic
9:00 AM	Osman Ozbulut	Building for Resilience: Analyzing Turkiye's February 6 Earthquake Ground Motions from a Structural Perspective
10:00 AM	Tamarah King	Informing seismic hazard with geodesy & remote-sensing from Turkey to Central Asia
10:15 AM	Catherine Peryer	Constraining fault geometry and slip rates of the Lovely Banks Fault, Victoria
10:30 AM	Morning Tea Break	
11:00 AM	Charlotte Brown	Putting people at the centre of seismic risk
11:45 AM	Paul Somerville	Update to the Somerville et al. (2009) Ground Motion Model for Australia Using Broadband Ground-Motion Simulations
12:00 PM	Stacey S. Martin	Modern reappraisal of historical seismicity for seismic hazard assessment
12:15 PM	James La Greca	Neotectonic Scarp Delineation of the Beechworth and Culcairn Faults: DEM and Lidar Analysis with Field Observations
12:30 PM	Reza Ebrahimi, PhD	Site characterization of 12 seismic monitoring stations in SE Victoria, Australia
12:45 PM	Lunch Break	
2:00 PM	Yao Hu	Rapid Assessment of torsional amplification of seismic demand in plan asymmetric buildings
2:15 PM	Hayman Ahmed	The effectiveness of linear/nonlinear viscous damper and damper subsystem stiffness of SDOF system subjected to different ground motions.
2:30 PM	Xiangzhe Weng	Pullout Tests of Grout Tube Connections in Limited Ductile Precast Reinforced Concrete Walls
2:45 PM	Close Day 3	