

DAY 2 AUDITORIUM AGENDA (AM)



Date

24 June 2026



Time

09:00 - 14:15



Location

University of Zagreb, Croatia

Conference Title

GEM Conference 2026 : From faults to future scenarios

Time	Title	Speaker	Affiliation
09:00 - 09:10	Welcome to day 2	Helen Crowley	GEM Foundation
	Session: Dynamic Exposure Modelling Moderator: TBD		
09:10 - 09:30	Invited Talk: Forward-looking Exposure Modelling for Human-centred Urban Disaster Mitigation	Carmine Galasso	University College London, UK
09:30 - 09:45	Machine Learning Forecasting Techniques for Earth Observation Data	Christian Geiß	German Aerospace Center
09:45 - 10:00	Spatial Disaggregation and Temporal Projection of Building Exposure and Physical Vulnerability using Deep Constrained Clustering and Probabilistic Graph Deep Learning	Joshua Dimasaka*	University of Cambridge, UK
10:00 - 10:15	Predicting population displacement due to earthquakes globally	Nicole Paul	University College London, UK/ETH Zurich, Switzerland
10:15 - 10:30	Baseline Survey Framework for GEM-Standardised National Building Exposure Model towards Earthquake Risk Assessment in Uganda	Morris Oleng*	National Building Review Board, Uganda
10:30 - 11:30	Coffee break + demos + posters		
	Session: Next Generation Vulnerability Moderator: Ana Beatriz Acevedo, EAFIT University, Colombia		
11:30 - 11:45	A Framework for Assessing the Seismic Vulnerability of Indonesian Infilled Masonry Dwellings	Angga Sabaruliman	The University of Sydney, Australia
11:45 - 12:00	Integrated Seismic Risk Assessment for Masonry Structures in the Marmara Region: AEM-Based Simulations and PML Comparative Analysis	Seyhan Okuyan Akcan^	Boğaziçi University, Turkey
12:00 - 12:15	Reduction of seismic risk for typical URM residential buildings in Zagreb using target retrofitting	Ante Pilipović	University of Zagreb, Croatia
12:15 - 12:30	From spatial correlation to damage dependence and IM conversion in seismic risk models	Gerard O'Reilly	IUSS Pavia, Italy
12:30 - 12:45	Vulnerability modelling for embodied carbon (title TBD)	Karim Aljawhari	GEM Foundation
12:45 - 14:15	Lunch		

* early career researcher with travel grant

^ early career researcher with fee waiver