



18th WORLD CONFERENCE ON EARTHQUAKE
ENGINEERING
WCEE2024
MILAN

GEM OQ
GLOBAL EARTHQUAKE MODEL OPENQUAKE

AGENDA

18th World Conference on Earthquake
Engineering (WCEE2024)
30th June - 5th July, 2024
Milan, Italy



[Full Overview](#)

Date/Time	Location	Session/Topic	Speaker
July 1 Mon 15:09 - 15:15	Suite 9	SHR3 - Is GEM (Global Earthquake Model) making a difference?	John Schneider
15:10 - 15:20	Monitor 13	GRM5 - Ground Motion Characterization for the 2023 Albania National Seismic Hazard Model	Christopher Brooks
July 2 Tue 11:30 - 11:40	Amber 7	BCI5 - Assessing the Accessibility to Healthcare Facilities in Urban Centres Following Seismic Events	Catarina Costa
09:35 - 09:45	Monitor 24	SHR3 - State- and Ground Motion-Dependent Fragility Functions of Masonry Buildings Under Seismic Sequences	Marco Baiguera
09:45 - 09:55	Amber 5	SHR2 - GEMs global seismic hazard mosaic: updates since v2018, applications, and upcoming activities	Kendra Johnson
14:50 - 15:00	Monitor 2	SHR9 - Assessing seismic risk for effective disaster management at an urban scale in El Salvador	Alejandro Calderón
15:18 - 15:30	Monitor 11	GEO9 - Validation of Existing Empirical Models for Lateral-Spreading Due to Liquefaction	Lana Todorovic
16:00 - 19:00	TBD	Insurance Industry Panel Session and Aperitivo: From Academia to Insurance Industry: What's in it for Earthquake Engineers? (TBC)	hosted by Aon and GEM

July 3 Wed 09:09 - 09:20	Amber 5	SHR11 - METIS Project: GEM's Contributions to The Hazard Work Package	Marco Pagani
10:31 - 10:40	Amber 5	SHR15 - Global Earthquake Loss Assessment: Where and Why Is Seismic Risk High?	Vitor Silva
14:50 - 14:59	Amber 4	TNM1/4/6 - Predicting Tsunami Inundation and Impacts - Using Offshore Wave Data and ML for Rapid Assessment	Naveen Ragu Ramalingam
14:55 - 15:03	Amber 5	SHR15 - Including Spatial and Inter-Period Correlations in Share-Fate Risk Assessment	Manuela Villani
15:00 - 15:10	Amber 5	SHR 16/19 - A Global Earthquake Scenario Database (ESD) for the Calibration and Verification of Loss Models	Zarin Karim Zadeh
15:10 - 15:20	Amber 5	SHR16 - Advancements in The Earthquake Risk Calculators of The OpenQuake-Engine	Anirudh Rao
15:30 - 15:45	Amber 5	SHR16 - The Promise of New Technologies In Earthquake Engineering	Vitor Silva
16:00 - 19:00	TBD	Technical sessions and a stakeholder side event with aperitif	Global Tsunami Model (GTM) community
July 4 Thu 10:00 - 10:12	Amber 2	AIM3 - An End-To-End Deep Learning Vulnerability Model for Seismic Risk Assessment	Luís Martins
10:33 - 10:45	Monitor 2	SHR1 - Seismic Risk Assessment for Mitigation And Long-Term Planning At The National And Urban Level	Catalina Yepes-Estrada
10:41 - 10:51	Amber 5	SHR17 - Evaluating the Performance Of Gem's Hazard And Risk Models Following Damaging Earthquakes	Helen Crowley
11:00 - 11:10	Amber 6	ASR3/4 - Towards A Global Seismic Environmental Impact Model	Martina Caruso
11:35 - 11:48	Monitor 16	RES10 - What If the 2015 Gorkha Earthquake Happens Again? How Has Recovery Modified the Risk?	Dev Kumar Maharjan
17:00 - 18:00	Plenary	Joyner Lecture: Why seismic hazard modelling has become a risky business	Helen Crowley
July 5 Fri 10:03 - 10:15	Suite 6	NSE2 - A Global Database of Vulnerability Functions for Structural/Non-Structural Components and Contents	Luís Martins
10:40 - 10:50	Amber 3	ASR3/4 - Application of a Multi-Criteria Decision-Making Approach for Optimal Building Retrofitting	Margherita Buttazzoni