GLOBAL EARTHQUAKE MODEL FOUNDATION

GEM CONFERENCE

Are we making a difference?

AGENDA

13th - 14th June 2023
Centro Congressi Bergamo
Bergamo, Italy

Featured speakers

Sinan Akkar
Turk Reinsurance Inc.
Principal Catastrophe Modeler

Alanna Simpson
Lead Disaster Risk Management Specialist, World Bank Group

David Wald
Research Geophysicist
United States Geological Survey (USGS)

OVERVIEW

This conference will bring leading researchers and risk management experts worldwide together to discuss recent developments and future directions on the road to earthquake resilience.

INTRODUCTION

Lessons from the 2023 M7.7 EQ in Kahramanmaras-Gaziantep, Turkey

SESSIONS

What has been developed?
Unveiling of GEM's new global hazard and risk models, maps and databases.

How has it been used?
Risk assessments and their impact on disaster risk reduction.

Where are we going?
The future of seismic risk assessment, towards global resilience.

WWW.GLOBALQUAKEMODEL.ORG

Day 1: Tuesday, June 13th, 2023

Time	Title	Speaker
13:00-13:10	**Introductory remarks**	**John Schneider**
13:10-13:15	Opening Address	Mami Mizutori
13:15-13:20	Introduction to the presentations	Iain Stewart
13:20-13:50	Lessons learned from the 2023 Kahramanmaraş, Türkiye earthquakes: Modeling aspects of insured portfolio losses	Sinan Akkar
13:50-14:20	DASK National Insurance perspective of Turkey EQ	Ahmed Buğra Ceyhan
14:20-15:00	Discussion Panel: Lessons learned regarding post-earthquake impact assessment	Moderator: Michael Ewald Panelists: Nilesh Shome Jay Guin Mustafa Erdik Sinan Akkar Jaime Abad-Perez
15:00-15:10	Flash introduction of poster session	
15:10-15:40	***Coffee break - Posters and demonstrations***	
15:40 - 15:50	**Session 1 - Introduction**	**Sonia Talwar**
15:50-16:30	Update of the Global Hazard Model	Marco Pagani
16:30-17:10	Update of the Global Risk Model	Vitor Silva
17:10-17:30	Launch of the Earthquake Scenarios Database	Catalina Yepes
17:30-18:00	Discussion panel: Development and use of the Global earthquake models	Moderator: T-C Pan Panelists: Vitor Silva Marco Pagani Helen Crowley Chung-Han Chan Paul Della Marta Daniela Di Bucci
18:00-19:30	***Aperitivo***	

Day 2: Wednesday, June 14th, 2023

Time	Title	Speaker
9:00-9:10	**Session 2 - Introduction**	**Joerg Steffensen**
9:10-09:40	Keynote Lecture: Landscape of DRR initiatives - past, present and future	Alanna Simpson
09:40-09:55	Canadian Earthquake Risk Model	Tiegan Hobbs
09:55-10:10	Colombia Earthquake Hazard Model	Miguel Mora
10:10-10:25	Urban Seismic Risk Assessment	T-C Pan
10:25-10:55	***Coffee break***	
10:55-11:10	Application to insurance/financial risk modeling	Crescenzo Petrone
11:10-11:25	Mitigating Risks in Georgia's Emergency Facilities: Arup and GEM's Collaborative Risk Assessment	Barbara Polidoro
11:25-11:40	Site-specific seismic hazard assessment for nuclear and hydropower facilities in France	Paola Traversa
11:40-12:20	Discussion Panel: Using GEM products to make a difference	Moderator: Laurie Johnson Panelists: Session speakers
12:20-14:00	***Lunch break - Posters and Demonstrations***	
14:00-14:05	**Session 3 - Introduction**	**Lindsay Davis**
14:05-14:20	Triggered or secondary effects: tsunami	Stefano Lorito
14:20-14:35	Triggered or secondary effects: liquefaction	Ellen Rathje
14:35-14:50	Triggered or secondary effects: landslide	Farrokh Nadim
14:50-15:10	Incorporation of NASA products in global hazard and risk assessment	Shanna McClain
15:10-15:40	***Coffee break***	
15:40-16:10	Keynote Lecture: International Macroseismic Scale	David Wald
16:10-16:25	Systemic or cascading infrastructure risk	Astha Poudel
16:25-16:40	Using GEM products to support rapid loss assessment	Alberto Michelini
16:40-16:55	Future Exposure and Risk to natural hazards	Alejandro Calderon
16:55-17:25	Closing Discussion Panel: The role of GEM to 2030	Moderator: John Schneider Panelists: Laurie Johnson Sibylle Steiman Kishor Jaiswal Jenty Kirsch-Wood Matthias Schmid Sangeeta Singh
17:25-17:30	**Final Wrap/Closing**	**Jorg Steffensen**