Session ID: SHR-19

Title
ADVANCING SEISMIC HAZARD AND RISK MODELS: LEARNING FROM TESTING AND VERIFICATION EXPERIENCES

Convenors
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Description
Probabilistic seismic hazard and risk models are critical tools for determining the potential impact of earthquakes in a specific area. As hazard and risk models become more widely available at the national, regional, and global levels, it is critical to learn from contributions about testing and verification experiences.

This technical session aims to bring together novel and innovative statistical methods and technologies such as AI and deep learning, as well as the use of multidisciplinary datasets, to test the hazard/risk computational workflows and improve model understanding. Submissions of novel methods and results that contribute to the testing of input datasets, components, models, and results are encouraged.

The session will provide a forum for discussions about the testing frameworks' limitations and benefits, as well as their potential to improve hazard and risk models.

Invited Speakers
R. Paolucci [4], G. Weatherill [5]

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