Session ID: EVO-7

Title
SHAPING THE FUTURE: EXPLORING INNOVATIONS AND ADVANCEMENTS IN EARTHQUAKE ENGINEERING

Convenors
A. Furtado [1], D. Gautam [2], C. Del Gaudio [3]

Description
The proposed technical session will focus on the latest developments and trends in earthquake engineering that are expected to shape the future of this field. The session will feature presentations by young early career investigators in the field who will share their insights on topics such as new techniques for seismic hazard analysis, novel materials and construction methods for earthquake-resistant structures, and advanced monitoring and early warning systems for earthquakes. The session will also explore emerging challenges and opportunities that are likely to impact earthquake engineering in the coming years, such as climate change, urbanization, and the increasing demand for sustainable and resilient infrastructure. Participants will be able to engage in interactive discussions and share their perspectives on how earthquake engineering can evolve to address these challenges and meet the needs of the next generation. Overall, this session will provide a unique platform for young researchers, engineers, and practitioners to stay abreast of the latest trends and innovations in earthquake engineering and collaborate on shaping the future of this vital field. Early career investigators are strongly invited to participate in this session and present their research work. Senior researchers and the technical community are also invited to submit contributions.

Invited Speakers
H. Varum [4], H. Rodrigues [5], P. Gardoni [6], D. Frangopol [7]

Affiliations
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