(Invited) Toward Data Lakes for Recorded and Simulated Earthquake Ground Motions

Wednesday 4 September 2024

New ideas and highlights: flash talks: 1) Urgent Computing for Earthquakes—Marisol Monterrubio (BSC, Spain), 2) Generative AI for Ground Motion Simulation —Reza Esfahani (University of Grenoble Alpes, France), 3) Toward Real-Time Ground-Shaking Intensity Forecasting Using ETAS and GMM: Insights from the Analysis of the 2022 Taitung Earthquake Sequence —Ming-Che Hsieh (E-DREaM, Taiwan), 4) Rapid, automatized 3D dynamic rupture simulations for the physics-based characterization of large earthquakes—Thomas Ulrich (LMU, Germany) **(09:30 - 10:10)**

New ideas and highlights: flash talks: 1) Scalable Tools for Ground Motion Synthesis and Nonergodic GMM Development—Grigorios Lavrent (Caltech, USA), 2) Simulation of earthquake scenarios at the Icelandic transform zones —Claudia Abril (LMU, Germany), 3) Accurate 3D simulations of ground motion with the spectral element method —David Sollberger (Mondaic Ltd., Switzerland), 4) Dynamic rupture inverse modeling of apparent source spectra —Lubica Valentova (Charles University, Czech Republic) **(10:20 - 11:00)**