

Anthropogenic Hazard SYMPOSIUM 2025

 26 November 2025

 *Collège Doctoral Européen - 46 Bd de la Victoire, 67000 Strasbourg*

Programme

Université de Strasbourg



In the framework
of EPOS ERIC TCS



08:30 – 09:00	Welcome
09:00 – 09:20	Opening Remarks
9:20 - 11:00	Session 1: Advances in Seismic Monitoring _ Chairman Olivier Lengliné • A Probabilistic Framework for High-Resolution Seismic Catalogue Generation Using a Single Deep Borehole Sensor Rachit Gautam • Monitoring a Deep Geothermal Reservoir Using Ambient Seismic Noise Flavien Mattern • Micros-seismic Repeaters in Deep Mines: An Example from Garpenberg Mine Mariano Arnaiz • Low-Cost Seismic Networks in Urban Areas: The DSSN Case Study Riccardo Minetto • Analysis of DAS data in borehole CCS monitoring Gilberto Saccorotti
11:00 – 11:20	Coffee break ☕ ☕ ☕
11:20 - 12:20	Session 2: Rock Mechanics and Fault Dynamics _ Chairman Benoit Derode • Rock Mechanics for the Energy Transition Anne Pluymakers • Fracture Reopening and Pressure Propagation in Deformable Faults Kamal Ahmadov • The 2019–2022 sequence of induced seismicity below the city of Strasbourg, France: insights from large-scale THM reservoir modeling Jean Schmittbuhl
12:20 – 13:30	Lunch break 🍽️ 🍽️ 🍽️
13:30 - 15:10	Session 3: Case Studies and Frameworks _ Chairmen Riccardo Minetto & Flavien Mattern • Intermittent induced seismicity during the multiyear operation of a geothermal reservoir Olivier Lengliné • Deciphering Induced Seismicity: From Dams to Hydrocarbon Fields Daniel Amorese • The FORGE Project: Real-Time ATLS Implementation Vanille Ritz • Traffic Light Protocols in Italy: Challenges and Applications Thomas Braun • Induced Seismicity Controlled by Injected Hydraulic Energy: The Case Studies of the EGS Soultz-Sous-Forêts and Rittershoffens Sites Jean Schmittbuhl
15:10-15:40	Coffee break ☕ ☕ ☕
15:40– 16:40	Session 4: Citizen Science and Data Centers _ Chairman Jean Schmittbuhl • The Sismo-Citoyen Project: Citizen Seismology in Alsace Antoine Schlupp • CDGP: A Data Center for Multidisciplinary Research Salsabyl Benlalam • From the national BCSF-Rénass to the regional ORP: perspective on induced seismicity monitoring Benoit Derode
16:40– 17:00	Closing remarks