

Workshop

on Earthquake Source: Mechanics, Seismology and Geology

National Institute of Science Education and Research
Bhubaneswar, India

📍 School of Earth & Planetary Sciences, Library Complex



This workshop aims to bring together eminent scientists, early-career researchers, and students in the fields of **earthquake mechanics**, **seismology**, **petrology**, and **tectonics** to foster interdisciplinary collaboration and advance understanding of topics spanning **Himalayan seismicity**, **intraplate earthquakes**, and **the physics and mechanics of faulting**.

Organizing Committee

1. **Harsha S. Bhat**, Laboratoire de Géologie, École Normale Supérieure, Paris
2. **Santanu Misra**, Department of Earth Sciences, IIT Kanpur
3. **Julien Gasc**, Laboratoire de Géologie, École Normale Supérieure, Paris
4. **Pathikrit Bhattacharya**, School of Earth and Planetary Sciences, NISER
5. **Priyadarshi Chowdhury**, School of Earth and Planetary Sciences, NISER

Scientific Themes/Sessions

1. Strain, Seismicity and Hazards in the Himalaya
2. Intraplate earthquakes – Occurrence, Processes and Geology
3. Physics of Earthquakes: Theory and Experiments



Workshop Dates

7th Jan - 9th Jan, 2026

Abstract Submission Deadline

1st December, 2025

Contact Details

Workshop Email: eqmsg_conf@niser.ac.in

Pathikrit Bhattacharya: pathikritb@niser.ac.in

Registration Link:



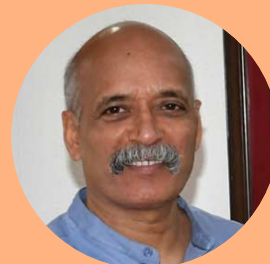
Scientific Themes/Sessions

Strain, Seismicity and Hazards in the Himalaya

We invite abstracts on observational, experimental, and modeling studies exploring interseismic strain accumulation, fault behavior, and seismicity across the Himalaya. Emphasis is on linking crustal dynamics, tectonic deformation, and structural variability to improve understanding and forecasting of Himalayan earthquake hazards.

Session Leaders:

1. Vineet K. Gahalaut, Wadia Institute of Himalayan Geology, Dehradun
2. Supriyo Mitra, IISER Kolkata



Intraplate earthquakes – Occurrence, Processes and Geology

We invite abstracts on observational, experimental, and modeling studies investigating intraplate earthquakes, their underlying processes, and geological controls within the Indian subcontinent and beyond. Emphasis is on fault reactivation, stress accumulation, and the integration of geological and geophysical data to understand the mechanics and recurrence of intraplate seismicity.

Session Leaders:

1. Anupam Chattopadhyay, University of Delhi
2. Santanu Misra, IIT Kanpur



Physics of Earthquakes: Theory and Experiments

We invite abstracts on studies exploring the physics of earthquakes, emphasizing fault slip, rupture dynamics, and energy release. Contributions linking theory, experiments, and observations to understand the roles of friction, fluids, and fault-zone properties in controlling earthquake behavior are especially encouraged.

Session Leaders:

1. Harsha S. Bhat, École Normale Supérieure, Paris
2. Julien Gasc, École Normale Supérieure, Paris

