

4–5 November 2026 | Istanbul Technical University (İTÜ) | Faculty of Mines

Prof. Dr. İhsan Ketin Conference Centre, Ayazağa Campus, Istanbul

Hosted by İTÜ, Faculty of Mines, MOPAM and CASK, with IMS as key technical presenter

Following the First Announcement, we confirm that the Mine Seismology Workshop will take place on 4–5 November 2026 at İTÜ, Faculty of Mines. This Second Announcement contains the provisional programme, the registration procedure and the call for presentations.

Specialists from the Institute of Mine Seismology (IMS) will deliver the core technical programme, complemented by contributions from İTÜ / MOPAM / CASK, operating mining companies and consultants. Registration is now open and places are limited.

Provisional Programme

The programme is provisional and may be adjusted in the final circular. All sessions are delivered in English.

Time	Session / Presentation	Presenter
DAY 1 — Wednesday, 4 November 2026 • Basic Training		
08:15–08:45	Registration and welcome coffee	—
08:45–09:00	Opening and welcome address	İTÜ Faculty of Mines MOPAM CASK
09:00–16:30	Introduction to Mine Seismology: Primer for Geotechnical Engineers Objectives of seismic monitoring • seismic waves, propagation and detection • locating a seismic event • source parameters • magnitude scales • event classification: objectives, methods and limitations • designing and maintaining a seismic system, daily checks and troubleshooting • what can go wrong with data processing • routine analysis and interpretation, reporting and useful plots • utility of source mechanisms in mining • managing rockburst hazard	IMS
16:30–17:30	Invited online lecture: Deformation-Based Ground Support Design Principles and Applications	Prof. Peter Kaiser (online)
DAY 2 — Thursday, 5 November 2026 • Technical Presentations		
Session 1 — Implementation and Applications of Seismic Monitoring in Mines: Case Studies		
09:00–09:30	Modelling of seismic sources and seismicity	IMS
09:30–10:00	About seismic hazard in mines, including size distributions of seismic events	IMS
10:00–10:30	Short-term seismic response forecasting	IMS
11:00–11:30	Forensic analysis of two large events, with and without significant damage	IMS
11:30–12:00	What-if scenarios of seismic events and the dynamic demand imposed on tunnels	IMS
12:00–12:30	Systematic Analysis of Mining Accidents in Türkiye and an Integrated Mine Safety and Risk Management Model (EMGRM): from monitoring data to operational decisions	Assoc. Prof. Dr. C. Atilla Öztürk İTÜ MOPAM CASK
12:30–13:00	Industry case study (open call, see below)	Mining companies / consultants
Session 2 — Latest Advances in Seismic Monitoring Equipment and Data Analysis Techniques		
14:00–14:30	xGMAS and xLS: real-time seismic alerts based on ML-processed single-sensor data	IMS
14:30–15:00	Seismic ground motion alerts — GMAP	IMS

Time	Session / Presentation	Presenter
15:00–15:30	Rockburst hazard assessment: principles and applications	IMS
Session 3 — Türkiye and Regional Applications		
16:00–16:20	Industry case study (open call, see below)	Mining companies / consultants
16:20–16:40	Effects of natural and induced seismicity on surface structures and mining infrastructure, including TSFs (open call)	Universities / monitoring centres
16:45–17:30	Panel discussion, conclusions and closing	All speakers

Refreshments included. Day 1: coffee 10:45 and 15:00, lunch 12:30–13:30. Day 2: coffee 10:30–11:00 and 15:30–16:00, lunch 13:00–14:00.

Call for Presentations

Presentations are invited from mining companies, mining and geotechnical consultants, and seismologists from Turkish universities and national monitoring centres. A contributing organisation may deliver one presentation; a second can be accommodated where the programme allows.

- Duration: 20–30 minutes including Q&A. Language: English.
- Mining companies and consultants: seismic monitoring practice at operating mines, hazard assessment, rockburst management, data interpretation, mine design feedback, re-entry protocols, ground control lessons learned.
- Universities and monitoring centres: effects of natural and induced seismicity on surface structures and mining infrastructure including TSFs, regional networks and ground motion assessment.
- To contribute, send the presentation title, presenter name and a short abstract (150–250 words) to atilla.ozturk@itu.edu.tr by 30 September 2026.

Presentations remain the property of the contributing organisation; sensitive information may be anonymised.

Registration

Registration is now open. All participants — including delegates from companies that have already confirmed their intention to attend — are kindly requested to complete the online registration form so that final numbers can be confirmed.

REGISTER HERE › www.imseismology.org/seminars

Item	Details
Registration fee	USD 200 per delegate, both days (indicative — to be confirmed)
Presenting speakers	USD 100 — fee waived for the day on which they present (Day 2)
Fee includes	Attendance, course notes, lunches and coffee breaks, certificate of attendance
Deadlines	Abstracts for presentations: 30 September 2026 · Registration: 15 October 2026
Capacity	Limited; places allocated in order of registration

Early registration is strongly encouraged, as the workshop will be delivered in person only — Day 1 includes interactive whiteboard sessions and part of Day 2 covers sensitive material that cannot be presented online. Participants from Europe, Central Asia, India and the wider region are welcome.

Optional Day 3 (6 November): hands-on training in IMS software, scheduled only if there is sufficient demand — please indicate your interest on the registration form.

Who should attend — geotechnical and rock mechanics engineers · mine planning and production engineers · mining and geotechnical consultants · mine and technical managers · HSE and risk professionals · operational decision makers · researchers and graduate students · seismologists from universities and national monitoring centres.

Contact · **Assoc. Prof. Dr. C. Atilla Öztürk** — İTÜ, Faculty of Mines, Mining Engineering Dept.
atilla.ozturk@itu.edu.tr · Presentation interest, local coordination and programme updates.