



institute
of mine
seismology

Mine Seismology & Geophysics Workshop



Novotel Bali Benoa, Indonesia | November, 2025

Day 1	Primer Course on the Basics of Mine Seismology and Applied Geophysics
Day 2	Case Studies and Practical Applications
Day 3	Demonstration and Training in IMS Products

The registration fee is AUD 175 / day (incl. tea / coffee)

Specific dates in November will be announced soon.

Presenters have 100% discount for the day of the presentation.

For more information and registration please visit IMS web site.

Stay tuned for updates!

Day 1

Primer Course on the Basics of Mine Seismology and Operating Seismic Monitoring Systems in Mines

The first day is aimed at laying a foundation of core concepts by working through the elementary principles of mine seismology and applied geophysics. Depending on interest received prior to the workshop there will be four main topics:

- **Fundamentals of mine seismology:** Objectives of seismic monitoring in mines, seismic waves and seismic sources, seismic monitoring systems, data processing, analysis and interpretation.
- **Vibration monitoring:** Learn about the principles and applications of vibration monitoring for blast control, ground stability, and structural integrity.
- **Monitoring of Tailings Storage Facilities (TSFs):** Explore geophysical and seismic techniques for assessing the stability and safety of TSFs.
- **Mineral Exploration using Geophysical Methods:** Discover how various geophysical techniques, including seismic, magnetic, and gravity methods, are employed in the search for new mineral deposits.

Day 2

Case Studies & Practical Applications

Day two is dedicated to sharing real-world experiences and practical solutions. Attendees are invited to present their own case studies, research findings, and practical applications related to mine seismology and geophysics. This is an excellent opportunity to showcase your work, gain valuable feedback, and foster collaborative discussions. Presenters have 100% discount for the day of the presentation.

Day 3

Demonstration and Training in IMS Products

There will be a combination of theoretical presentations and practical exercises explaining and illustrating various topics discussed during the workshop. Attendees with modern laptops will receive IMS software and temporary licenses to gain experience. Note that in order to run IMS software, we strongly recommend a machine with at least 8GB of RAM and a modern 3D graphics card (NVidia or AMD) with up-to-date drivers installed.

Why Attend?

- **Learn from Experts:** Gain insights from leading professionals in mine seismology and geophysics.
- **Networking Opportunities:** Connect with peers, researchers, and industry leaders.
- **Share Your Work:** Present your own case studies and contribute to the collective knowledge base.