

# SCHEDULE OF PRESENTATIONS

Passive Imaging And Monitoring In Wave Physics: From Seismology To  
Ultrasound, 18-22 April, 2022

## **Monday 18**

9:00 – 10:00	◆ <b>Michel Campillo</b> Introduction.
10:30 – 12:00	◆ <b>Andrew Curtis</b> Interrogating the Earth's Subsurface to answer Specific Questions.
14:30 – 15:15	◆ <b>Nikolai Shapiro</b> Seismic tremors in volcanoes and fault zones.
15:45 – 16:30	◆ <b>Diane Rivet</b> Building a new type of seafloor observatory using submarine telecom fiber optic cables.

## **Tuesday 19**

8:30 – 10:00	◆ <b>Josselin Garnier</b> System of radiative transfer equations for coupled surface and body waves.
10:30 – 12:00	◆ <b>Fabrice Ardhuin</b> How Ocean Waves make seismic and acoustic waves : from theory to practical applications.
14:30 – 15:15	◆ <b>Laurent Stehly</b> Large scale tomography using seismic noise correlations.
15:45 – 16:30	◆ <b>Pierre Boué</b> Body Waves from Global Scale Interferometry: how to detect and how to use?

## **Wednesday 20**

8:30 – 10:00	◆ <b>Ludovic Margerin</b> Seismic Scattering from Earth to Mars.
10:30 – 12:00	◆ <b>Mathias Fink</b> Ultrasound Imaging and Noise Correlation.
14:30 – 15:15	◆ <b>Anne Paul</b> Seismic imaging at regional scale – The example of the Western Alps.
15:45 – 16:30	◆ <b>Bérénice Froment</b> Noise-based approaches in operational seismic hazard applications.

### Thursday 21

8:30 – 10:00	◆ <b>Alexandre Aubry</b> Passive Seismic Matrix Imaging.
10:30 – 12:00	◆ <b>Michel Campillo</b> AI-based exploration of geophysical data: towards the analysis of slow-slip events.
	◆ <b>François Lavoué</b> Using train noise for passive seismic imaging and monitoring.
14:30 – 15:15	◆ <b>Thomas Gallot</b> Monitoring impacted waves in confined granular media.
	◆ <b>Florent Gimbert</b> Monitoring glacier dynamics and structure using dense seismic arrays and optic fibers.
15:45 – 16:30	◆ <b>Gregor Hillers</b> Seismic dense array based time domain spatial auto-correlation near field imaging.

### Friday 22

8:30 – 10:00	◆ <b>Chris Marone</b> Acoustic Imaging to Illuminate the Mechanics of Lab Earthquakes and the Spectrum of Fault Slip Modes.
10:30 – 11:30	◆ <b>Anne Obermann</b> Seismic time-lapse interferometry across scales.
	◆ <b>Pilar Sánchez</b> Alternative processing methods for seismic noise monitoring studies.
11:30 – 12:00	◆ <b>Sin-Mei Wu</b> Geyser imaging from time-lapse hydrothermal tremor location.
	◆ <b>Shujuan Mao</b> Space-Time Monitoring of Groundwater via Seismic Interferometry.

