

Session Program

16-19 Sept 2024

AG Seis 2024

Session 3

Geomatikum, Hamburg
Bundesstrasse 55 20146 Hamburg

Tuesday 17 September

14:00

Session 3: AG Seismologie

Session | **Location:** Geomatikum, Hörsaal 4, Bundesstraße 55, 20146 Hamburg | **Convener:** Céline Hadziioannou

14:00–14:20

Towards continuous sub-oceanic monitoring with SUBMERSE and SAFATOR

Speaker

Frederik Tilmann

14:20–14:40

Recent developments at GEOFON

Speaker

Angelo Strollo

14:40–15:00

Deutsches Stationsnetz und BGR Datenzentrum

Speaker

Klaus Stammler

15:00–15:20

Geophysical/Geological survey for underground laboratories in the Lausitz granodiorite massif

Speaker

Mike Lindner

15:20–15:30

Time for open discussion

15:30

16:00

Session 3: AG Seismologie

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16:00–16:20

A rockslide-generated tsunami in a Greenland fjord rang the Earth for 9 days

Speaker

Sven Schippkus

16:20–16:40

Lifting the veil on enigmatic low-frequency signals from Greenland

Speaker

Rudolf Widmer-Schmidrig

16:40–17:00

The cascade of events triggering a teleseismic week-long monochromatic signal

Speaker

Angela Carrillo Ponce

17:00

18:00

19:30

Session 3: Mitgliederversammlung AG Seismologie

Session | **Location:** Geomatikum, Hörsaal 4, Bundesstraße 55, 20146 Hamburg

Wednesday 18 September

08:30

Session 3: AG Seismologie

Session | **Location:** Geomatikum, Hörsaal 4, Bundesstraße 55, 20146 Hamburg | **Convener:** Céline Hadziioannou

08:30–08:50

Predicting earthquake-induced wavefield and stress dynamics in high-alpine mountains using full waveform modeling

Speaker

Fabian Limberger

08:50–09:10

A refined shear velocity model beneath the Iranian plateau using adjoint noise tomography

Speaker

Abolfazl Komeazi

09:10–09:30

Sustainable preservation of analogue seismic data in Germany - Digitization test.

Speaker

Galina Kulikova

09:30–09:50

"Verlorene" seismologische Archive

Speaker

Frank Krüger

09:50–10:00

Time for open discussion

10:00

14:00

Session 3: AG Seismologie

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14:00–14:20

Cemented fibers as a test-bed for distributed acoustic sensing (DAS)

Speaker

Thomas Forbriger

14:20–14:40

Whispers in the WAVES: Decoding Campus Vibrations with Distributed Acoustic Sensing

Speaker

Céline Hadziioannou

14:40–15:00

Coherent and Incoherent Noise Cancellation Using Distributed Optical Fiber Sensors

Speaker

Reinhardt Rading

15:00–15:20

On the plane wave approximation for converting particle velocity into strain

15:30	Speaker Thomas Forbriger
	15:20–15:30 Time for open discussion
16:00	Session 3: AG Seismologie
	Session Location: Geomatikum, Hörsaal 4, Bundesstraße 55, 20146 Hamburg Convener: Céline Hadziioannou
	16:00–16:20 First analysis from two BlueSeis rotational seismometers in Vogtland, Germany: Indications for strong site-effects? Speaker Johanna Lehr
	16:20–16:40 Modal Analysis of Bridge Structure using 6C measurements Speaker Anjali Dhabu
	16:40–17:00 Time- and stress-dependent elastic properties in a concrete structure; spotting internal damage footprints Speaker Marco Dominguez-Bureos
	17:00–17:20 Mantle Scattering of Seismic Energy into the Core Shadow Speaker Christoph Sens-Schönfelder
17:30	17:20–17:30 Time for open discussion

Thursday 19 September

08:30

Session 3: AG Seismologie

Session | **Location:** Geomatikum, Hörsaal 4, Bundesstraße 55, 20146 Hamburg | **Convener:** Céline Hadziioannou

08:30–08:50

On the undesired behaviour of higher-order correlations

Speaker

Sven Schippkus

08:50–09:10

Impact of ocean-generated microseism on the European X-ray Free Electron Laser

Speaker

Erik Genthe

09:10–09:30

Secondary microseisms in ice-covered areas - two examples from Antarctica

Speaker

Mechita Schmidt-Aursch

09:30–09:50

Monitoring seismic velocity changes at Campi Flegrei (Italy) using seismic noise interferometry

Speaker

Marcel van Laaten

09:50–10:00

Time for open discussion

10:00

10:30

Session 3: AG Seismologie

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10:30–10:50

Onshore Seismic Monitoring of Submarine Kavachi Volcano Reveals Vigorous Eruptive Activity

Speaker

Georg Rümpker

10:50–11:10

Continued unrest and fissure eruptions along the Reykjanes, trans-tensional volcano-tectonic rift, Iceland

Speaker

Torsten Dahm

11:10–11:30

Fluid-induced earthquake swarms: The 2024 Klingenthal-Kraslice Seismic Activity and Fluid Dynamics in NW Bohemia/Vogtland

Speaker

Pınar Büyükkapınar

11:30–11:50

The onset of aftershocks: Testing predictions of seismicity models

12:00

Speaker
Sebastian Hainzl

11:50–12:00 **Time for open discussion**