

AG Seis 2024

Report of Contributions

Contribution ID: 3

Type: **not specified**

Towards continuous sub-oceanic monitoring with SUBMERSE and SAFATOR

Tuesday 17 September 2024 14:00 (20 minutes)

Presenter: TILMANN, Frederik

Session Classification: Session 3

Contribution ID: 4

Type: **not specified**

Recent developments at GEOFON

Tuesday 17 September 2024 14:20 (20 minutes)

Presenter: STROLLO, Angelo

Session Classification: Session 3

Contribution ID: 5

Type: **not specified**

Deutsches Stationsnetz und BGR Datenzentrum

Tuesday 17 September 2024 14:40 (20 minutes)

Presenter: STAMMLER, Klaus

Session Classification: Session 3

Contribution ID: 6

Type: **not specified**

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

Tuesday 17 September 2024 15:00 (20 minutes)

Presenter: LINDNER, Mike

Session Classification: Session 3

Contribution ID: 7

Type: **not specified**

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

Tuesday 17 September 2024 16:00 (20 minutes)

Presenter: SCHIPPKUS, Sven

Session Classification: Session 3

Contribution ID: 8

Type: **not specified**

Lifting the veil on enigmatic low-frequency signals from Greenland

Tuesday 17 September 2024 16:20 (20 minutes)

Presenter: WIDMER-SCHNIDRIG, Rudolf

Session Classification: Session 3

Contribution ID: 9

Type: **not specified**

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

Tuesday 17 September 2024 16:40 (20 minutes)

Presenter: CARRILLO PONCE, Angela

Session Classification: Session 3

Contribution ID: 10

Type: **not specified**

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

Wednesday 18 September 2024 08:30 (20 minutes)

Presenter: LIMBERGER, Fabian

Session Classification: Session 3

Contribution ID: 11

Type: **not specified**

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

Wednesday 18 September 2024 08:50 (20 minutes)

Presenter: KOMEAZI, Abolfazl

Session Classification: Session 3

Contribution ID: 12

Type: **not specified**

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

Wednesday 18 September 2024 09:10 (20 minutes)

Presenter: KULIKOVA, Galina

Session Classification: Session 3

Contribution ID: 13

Type: **not specified**

"Verlorene" seismologische Archive

Wednesday 18 September 2024 09:30 (20 minutes)

Presenter: KRÜGER, Frank

Session Classification: Session 3

Contribution ID: 14

Type: **not specified**

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

Wednesday 18 September 2024 14:00 (20 minutes)

Presenter: FORBRIGER, Thomas

Session Classification: Session 3

Contribution ID: 15

Type: **not specified**

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

Wednesday 18 September 2024 14:20 (20 minutes)

Presenter: HADZIIOANNOU, Céline

Session Classification: Session 3

Contribution ID: **16**

Type: **not specified**

Time for open discussion

Tuesday 17 September 2024 15:20 (10 minutes)

Session Classification: Session 3

Contribution ID: 17

Type: **not specified**

Time for open discussion

Wednesday 18 September 2024 09:50 (10 minutes)

Session Classification: Session 3

Contribution ID: **18**

Type: **not specified**

Coherent and Incoherent Noise Cancellation Using Distributed Optical Fiber Sensors

Wednesday 18 September 2024 14:40 (20 minutes)

Presenter: RADING, Reinhardt

Session Classification: Session 3

Contribution ID: 19

Type: **not specified**

On the plane wave approximation for converting particle velocity into strain

Wednesday 18 September 2024 15:00 (20 minutes)

Presenter: FORBRIGER, Thomas

Session Classification: Session 3

Contribution ID: **20**

Type: **not specified**

Time for open discussion

Wednesday 18 September 2024 15:20 (10 minutes)

Session Classification: Session 3

Contribution ID: 21

Type: **not specified**

First analysis from two BlueSeis rotational seismometers in Vogtland, Germany: Indications for strong site-effects?

Wednesday 18 September 2024 16:00 (20 minutes)

Presenter: LEHR, Johanna

Session Classification: Session 3

Contribution ID: 22

Type: **not specified**

Modal Analysis of Bridge Structure using 6C measurements

Wednesday 18 September 2024 16:20 (20 minutes)

Presenter: DHABU, Anjali

Session Classification: Session 3

Contribution ID: 23

Type: **not specified**

Time- and stress-dependent elastic properties in a concrete structure; spotting internal damage footprints

Wednesday 18 September 2024 16:40 (20 minutes)

Presenter: DOMINGUEZ-BUREOS, Marco

Session Classification: Session 3

Contribution ID: 24

Type: **not specified**

Mantle Scattering of Seismic Energy into the Core Shadow

Wednesday 18 September 2024 17:00 (20 minutes)

Presenter: SENS-SCHÖNFELDER, Christoph

Session Classification: Session 3

Contribution ID: 25

Type: **not specified**

Time for open discussion

Wednesday 18 September 2024 17:20 (10 minutes)

Session Classification: Session 3

Contribution ID: 26

Type: **not specified**

On the undesired behaviour of higher-order correlations

Thursday 19 September 2024 08:30 (20 minutes)

Presenter: SCHIPPKUS, Sven

Session Classification: Session 3

Contribution ID: 27

Type: **not specified**

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

Thursday 19 September 2024 08:50 (20 minutes)

Presenter: GENTHE, Erik

Session Classification: Session 3

Contribution ID: 28

Type: **not specified**

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

Thursday 19 September 2024 09:10 (20 minutes)

Presenter: SCHMIDT-AURSCH, Mechita

Session Classification: Session 3

Contribution ID: 29

Type: **not specified**

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

Thursday 19 September 2024 09:30 (20 minutes)

Presenter: VAN LAATEN, Marcel

Session Classification: Session 3

Contribution ID: **30**

Type: **not specified**

Time for open discussion

Thursday 19 September 2024 09:50 (10 minutes)

Session Classification: Session 3

Contribution ID: 31

Type: **not specified**

Onshore Seismic Monitoring of Submarine Kavachi Volcano Reveals Vigorous Eruptive Activity

Thursday 19 September 2024 10:30 (20 minutes)

Presenter: RÜMPKER, Georg

Session Classification: Session 3

Contribution ID: 32

Type: **not specified**

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

Thursday 19 September 2024 10:50 (20 minutes)

Presenter: DAHM, Torsten

Session Classification: Session 3

Contribution ID: 33

Type: **not specified**

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

Thursday 19 September 2024 11:10 (20 minutes)

Presenter: BÜYÜKAKPINAR, Pınar

Session Classification: Session 3

Contribution ID: 34

Type: **not specified**

The onset of aftershocks: Testing predictions of seismicity models

Thursday 19 September 2024 11:30 (20 minutes)

Presenter: HAINZL, Sebastian

Session Classification: Session 3

Contribution ID: 35

Type: **not specified**

Time for open discussion

Thursday 19 September 2024 11:50 (10 minutes)

Session Classification: Session 3

Contribution ID: 36

Type: **not specified**

Poster session on 13th floor

Session Classification: Session 3

Contribution ID: 39

Type: **not specified**

Welcome and Introduction of the Working Group Machine Learning in Geophysics

Tuesday 17 September 2024 08:30 (40 minutes)

Presenter: HAMMER, Conny

Session Classification: Session 2

Contribution ID: 40

Type: **not specified**

Towards the Clustering of Large Distributed Acoustic sensing Datasets

Tuesday 17 September 2024 09:10 (20 minutes)

Presenter: BÖLT, Oliver

Session Classification: Session 2

Contribution ID: 41

Type: **not specified**

Neural network approach on seismic array processing

Tuesday 17 September 2024 09:30 (20 minutes)

Presenter: BANASKIEWICZ, Benjamin

Session Classification: Session 2

Contribution ID: 43

Type: **not specified**

Time for open discussion

Tuesday 17 September 2024 09:50 (10 minutes)

Session Classification: Session 2

Contribution ID: 45

Type: **not specified**

Predictive modeling of seismic wave fields: Learning the transfer function using encoder-decoder networks

Tuesday 17 September 2024 10:30 (20 minutes)

Presenter: KLINGE, Jana

Session Classification: Session 2

Contribution ID: 47

Type: **not specified**

Deep learning prediction of measured earthquake waveforms from synthetic data

Tuesday 17 September 2024 10:50 (20 minutes)

Presenter: BAUER, Alexander

Session Classification: Session 2

Contribution ID: 48

Type: **not specified**

HR-GNSS Data Monitoring for Earthquakes Analysis using Deep Learning Algorithms

Tuesday 17 September 2024 11:10 (20 minutes)

Presenter: QUINTEROS-CARTAYA, Claudia

Session Classification: Session 2

Contribution ID: 49

Type: **not specified**

Machine learning for labquake forecasting using catalog-driven features

Tuesday 17 September 2024 11:30 (20 minutes)

Presenter: KARIMPOULI, Sadegh

Session Classification: Session 2

Contribution ID: 50

Type: **not specified**

Time for open discussion

Tuesday 17 September 2024 11:50 (10 minutes)

Session Classification: Session 2

Contribution ID: 51

Type: **not specified**

From Fiber Optics to Public Fascination: The WAVE Initiative's Seismic Outreach

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: BEIS, Spiridon

Session Classification: Poster session

Contribution ID: 52

Type: **not specified**

Locating seismic sources using the WAVE Distributed Acoustic Sensing Network as an array

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: WODTKE, Vincent

Session Classification: Poster session

Contribution ID: 53

Type: **not specified**

Einstein Telescope

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: VOSSIUS, Wanda

Session Classification: Poster session

Contribution ID: 54

Type: **not specified**

Rotational Seismology: from Simulations to Structural Health Monitoring

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: DHABU, Anjali

Session Classification: Poster session

Contribution ID: 55

Type: **not specified**

6C Operational Modal Analysis of wind turbines for damage detection

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: MÜLLER, Laurin

Session Classification: Poster session

Contribution ID: 56

Type: **not specified**

Seismic Investigation of the Åknes Rockslide: Using Ambient Seismic Noise to Identify Possible Rockslide Movement

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: BOGNER, Laura

Session Classification: Poster session

Contribution ID: 57

Type: **not specified**

Attenuation tomography in North Rhine-Westphalia

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: KARAMZADEH, Nasim

Session Classification: Poster session

Contribution ID: 58

Type: **not specified**

Investigation of seismicity in the Eifel region, using data from the Eifel Large-N Network

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: LAUMANN, Patrick

Session Classification: Poster session

Contribution ID: 59

Type: **not specified**

First results of local earthquake travel-time tomography in the Eifel region based on the large-N seismic dataset

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: ZHANG, Hao

Session Classification: Poster session

Contribution ID: 60

Type: **not specified**

High frequency 3D array analysis of April 2021 earthquake swarm and search for tremor-like source processes in Westbohemia/ Vogtland

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: HANNEMANN, Katrin

Session Classification: Poster session

Contribution ID: 61

Type: **not specified**

FRAME –a Fast Response Aftershock network for the Moroccan Earthquake 2023

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: ZECKRA, Martin

Session Classification: Poster session

Contribution ID: 62

Type: **not specified**

Investigating the D'' structure beneath the Indian Ocean with source- and receiver arrays

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: TÖLLE, Lena

Session Classification: Poster session

Contribution ID: 63

Type: **not specified**

Investigation of the D" reflector with short epicentral distances

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: PAHLINGS, Julia

Session Classification: Poster session

Contribution ID: 64

Type: **not specified**

Testing the consistency of D" reflected waves beneath Siberia for different crossing paths

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: THIYAGARAJAN, Harini

Session Classification: Poster session

Contribution ID: 65

Type: **not specified**

Uncertainty estimations of manual shear wave splitting measurements by comparing multiple analyses of the same dataset

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: DORN, Fiona

Session Classification: Poster session

Contribution ID: 66

Type: **not specified**

Modelling the Effect of Source-side Subduction on PKP Differential Time Measurements

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: RUSSELL, Stuart

Session Classification: Poster session

Contribution ID: 67

Type: **not specified**

Short distance observations of mantle transition zone discontinuities

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: SAKI, Morvarid

Session Classification: Poster session

Contribution ID: **68**

Type: **not specified**

Real Time 3D-Earthquake visualization of Earthquakes

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: SONNABEND, Lutz

Session Classification: Poster session

Contribution ID: **69**

Type: **not specified**

The known unkown source

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: BERAUS, Sarah

Session Classification: Poster session

Contribution ID: 70

Type: **not specified**

Testing AI-based denoising and picking techniques for microearthquake detection in an urban area in the Lower Rhein Embayment, Germany

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: CARRASCO, Sebastian

Session Classification: Poster session

Contribution ID: 71

Type: **not specified**

Towards the Clustering of Large Distributed Acoustic Sensing Datasets

Presenter: BÖLT, Oliver

Session Classification: Poster session

Contribution ID: 72

Type: **not specified**

Transformer-Based Prediction of 3-Component Seismic Waveforms and Phase Arrival Times

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: ESMAIL, Waleed

Session Classification: Poster session

Contribution ID: 73

Type: **not specified**

DeepDAS: Earthquake Phase Picker from Submarine Distributed Acoustic Sensing Data

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: XIAO, Han

Session Classification: Poster session

Contribution ID: 74

Type: **not specified**

Neural network approach on seismic array processing

Presenter: BANASKIEWICZ, Benjamin

Session Classification: Poster session

Contribution ID: 75

Type: **not specified**

Weiblich oder männlich: Das ist hier die Frage! Wirklich? - Geschlechtsbezogene Statistiken der DGG

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: DONNER, Stefanie

Session Classification: Poster session

Contribution ID: 76

Type: **not specified**

The manual analysis of teleseismic events at the Federal Seismological Survey of BGR - including depth, secondary and core phases

Wednesday 18 September 2024 10:30 (1h 30m)

Presenter: PLENEFISCH, Thomas

Session Classification: Poster session