

Session Program

16-19 Sept 2024

AG Seis 2024

Session 2

Geomatikum, Hamburg
Bundesstrasse 55 20146 Hamburg

Tuesday 17 September

08:30

Session 2: AG Maschinelles Lernen in der Geophysik

Session | **Location:** Geomatikum, 1438, Bundesstraße 55, 20146 Hamburg | **Convener:** Conny Hammer

08:30–09:10

Welcome and Introduction of the Working Group Machine Learning in Geophysics

Speaker

Conny Hammer

09:10–09:30

Towards the Clustering of Large Distributed Acoustic sensing Datasets

Speaker

Oliver Bölt

09:30–09:50

Neural network approach on seismic array processing

Speaker

Benjamin Banaskiewicz

09:50–10:00

Time for open discussion

10:00

10:30

Session 2: AG Maschinelles Lernen in der Geophysik

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10:30–10:50

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

Speaker

Jana Klinge

10:50–11:10

Deep learning prediction of measured earthquake waveforms from synthetic data

Speaker

Alexander Bauer

11:10–11:30

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

Speaker

Claudia Quinteros-Cartaya

11:30–11:50

Machine learning for labquake forecasting using catalog-driven features

Speaker

Sadegh Karimpouli

11:50–12:00

Time for open discussion

12:00