



10-12th April 2024
PTB Berlin, Germany

Neural Traces 2024: Advanced M/EEG Methods and Clinical Applications Workshop

Call for Abstracts

Neural Traces 2024 is a three-day on-site workshop on advanced data analysis methods in magneto- and electroencephalography (M/EEG) and their clinical applications in neurological and psychiatric disorders.

It will be held at Physikalisch-Technische Bundesanstalt (PTB) in Berlin, Germany, from **10-12th April 2024**.

We are soliciting extended abstract submissions for contributed oral and poster presentations.

Suitable submissions may cover but are not limited to the following topics:

I. Advanced M/EEG data analysis methods, e.g.,

signal processing and time series modelling, forward and inverse modelling, Machine learning and multivariate modelling, open science (software, data, standards, protocols, ..)

II. Clinical applications of M/EEG, e.g., in

movement disorders, aging and dementias, psychiatric and developmental disorders, epilepsy, sleep, and consciousness disorders

Submission guidelines

Required information: Title, author list and affiliations, 700-word (maximum) extended abstract outlining the study's background, approach, (preliminary) findings and significance, references. Optional: figure with a 150-word (maximum) description

Registration and on-site participation is required for presenters.

Please visit <https://neuraltraces2024.org> for abstract submission, registration, and further information about the workshop.

Important dates:

- **8th Jan 2024:** Abstract submission closes
- **1st Feb 2024:** Workshop registration opens

Workshop Hosts and Support:

Neural Traces 2024 is organized by the Brain and Data Science Group at Charité-Universitätsmedizin Berlin, the Machine Learning and Inverse Modeling Group at PTB Berlin, and the Uncertainty, Inverse Modeling and Machine Learning (UNIML) Group at Technische Universität Berlin. The Workshop is partially supported by the European Research Council (Funding ID: 758985) and the Helmholtz Fund.