



Fundamentals of BESA Research Software

**Cardiff, UK
22 - 24 April, 2026
Tentative Workshop Programme**

BESA Research Software is a platform for source analysis and dipole localisation in human EEG and MEG research. For over two decades, the BESA Research package has set the standard for state-of-the-art EEG and MEG data analysis.

Combining an easy-to-use interface with innovative, tailored analysis methods and data review tools, BESA research provides a convenient and extremely smooth pathway for carrying out EEG/MEG data analysis.

Delivered by:

BESA GmbH
Brainbox Ltd

Day 1: Introductory Level

Topics covered on Day 1:

Data Review and Preprocessing, Basic Artifact Correction, ERP and Peak Finding, Batch Processing, Discrete Source Analysis, Source Montages

08:30 Registration & Coffee

09:00 Session 1

11:15 Break

11:30 Session 2

13:00 Lunch

14:00 Session 3

15:30 Break

15:45 Session 4

17:30 Day End

Day 2: Advanced Level

Topics covered on Day 2:

Co-Registration of EEG and MRI Data, Realistic (BEM-FEM) Head Models, Distributed Source Analysis I: Volume Techniques and Brain Atlases, Distributed Source Analysis II: Bayesian Imaging, Cortical Imaging, Using Head Models in Source Localization, Beamformers and Virtual Sensor Montages

- 08:30** Coffee
- 09:00** Session 1
- 11:15** Break
- 11:30** Session 2
- 13:00** Lunch
- 14:00** Session 3
- 15:30** Break
- 15:45** Session 4
- 17:30** Day End



Day 3: Advanced Level

Topics covered on Day 3:

Advanced Artifact Correction, EEG-fMRI Processing, Time-Frequency Analysis, Brain Connectivity I, Brain Connectivity II: Multi-Subject Analysis, Cross-Subject Statistics I - t-Test, ANOVA, ANCOVA and Correlation, Q&A

08:00 Session 1

10:00 Break

10:15 Session 2

12:00 Lunch

12:30 Session 3

14:00 Workshop End

