



## **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

Getting Started, ERP, Discrete Source Analysis, Source Montages

### Morning Session:

Data Review and Preprocessing

Basic Artifact Correction

ERP and Peak Finding

### Afternoon Session:

Batch Processing

Discrete Source Analysis

Source Montages

## Day 2: Advanced Level

EEG-MRI Co-Registration, Source Imaging, Beamformers

### Morning Session:

Co-Registration of EEG and MRI Data

Realistic (BEM-FEM) Head Models

Distributed Source Analysis I: Volume Techniques and Brain Atlases

### Afternoon Session:

Distributed Source Analysis II: Bayesian Imaging, Cortical Imaging

Using Head Models in Source Localization, Beamformers and

Virtual Sensor Montages

## Day 3 : Advanced Level

Advanced Artifact Correction, Brain Connectivity and Statistics

### Morning Session:

Advanced Artifact Correction, EEG-fMRI Processing

Time-Frequency Analysis, Brain Connectivity I

### Afternoon Session:

Brain Connectivity II: Multi-Subject Analysis

Cross-Subject Statistics I - t-Test

ANOVA, ANCOVA, and Correlation

Q&A

