



BESA[®] Research Workshop

From raw data to source images and source coherence

San Diego, November 11/12, 2010

Day 1

09:00 - 09:45	Introduction: EEG/MEG source imaging and localization using multiple sources
09:45 - 10:30	Introduction to source analysis: Hands on simulated data I
10:30 - 11:00	- Coffee break -
11:00 - 11:45	Working with regional sources: Hands on simulated data II
11:45 - 12:30	Multiple conditions analyzed with regional sources: Hands on auditory evoked potentials
12:30 - 13:30	- Lunch break -
13:30 - 14:30	Data review, preprocessing and ERP module: Hands on auditory RT-Experiment I
14:30 - 15:30	Sequential fitting strategy with regional sources: Hands on auditory RT-Experiment II
15:30 - 16:00	- Coffee break -
16:00 - 17:00	Using MRI & fMRI to create a seeded multiple source model: Hands on auditory RT-Experiment III
17:00 - 17:30	Concluding discussion

Day 2

09:00 - 09:45	Time-frequency analysis and source coherence: Introduction
09:45 - 10:45	Source Coherence: Hands on simulated data
10:45 - 11:15	- Coffee break -
11:15 - 12:00	Multiple Source Beamforming (MSBF): Hands on simulated and real data.
12:00 - 12:45	Distributed 3D Source Images: CLARA, LORETA, sLORETA, swLORETA, LAURA, sSLOFO, minimum norm etc.
12:45 - 13:45	- Lunch break -
13:45 - 14:45	Batch scripting and statistics: Fast analysis of multiple subject studies using grand averages; MATLAB [®] interface.
14:45 - 15:15	- Coffee break -
15:15 - 16:30	Artifact correction: Advanced methods contrasting brain and artifact topographies
16:30 - 17:00	Advanced Topics: Digital filters, Density Spectral Arrays (DSA), FFT, correlation analysis, pattern detection and averaging
17:00 - 17:30	Concluding discussion