



BESA[®] Research Workshop Sydney, April 2012

What can you expect?

- Hands-on analysis of a real dataset from raw data to source images and source coherence – step by step.
- Introductory presentations to help understanding the methodological background of BESA Research features.

Day 1	
09:00 - 10:30	Data Review (FFT, DSA, re-montaging), Preprocessing (interpolation, artifact handling, filtering)
10:30 - 11:00	- Coffee break -
11:00 - 12:30	Artifact Correction (automatic and manual), Trigger Handling (using attributes, defining conditions), Artifact Rejection , Averaging , Classic ERP Analysis (peak analysis, mean amplitudes)
12:30 - 13:30	- Lunch break -
13:30 - 15:00	Batch Processing (creating grand averages, combining conditions)
15:00 - 15:30	- Coffee break -
15:30 - 17:00	Discrete Source Analysis (single dipoles vs. regional sources)

Day 2	
09:00 - 10:30	Cross-subject Statistics (using batch scripting and BESA Statistics)
10:30 - 11:00	- Coffee break -
11:00-11:45	Coregistration of EEG and MRI data (using BESA MRI)
11:45 - 12:30	Distributed Source Analysis (Comparison of different techniques, e.g. LAURA, sLORETA)
12:30 - 13:30	- Lunch break -
13:30 - 15:00	Source Montages (creating source montages), Artifact Correction (understanding the background and different techniques)
15:00 - 15:30	- Coffee break -
15:30 - 17:00	Time-Frequency Analysis (complex demodulation), Coherence (sensor and source space), Beamforming (multiple source vs. single source)

Venue: The Sebel Paramatta, 350 Church Street, Parramatta, NSW 2150