



BrainVision Analyzer Workshop on EEG and EEG/fMRI San Diego (USA), November 11th - 12th, 2010

Lecturers:

Dr. Ingmar Gutberlet

Patrick Britz

Topics:

1. Analysis of evoked potentials with BrainVision Analyzer
2. Time-Frequency domain analysis with the Wavelet transformation
3. Independent component analysis: Artifact removal and signal analysis
4. Combined EEG/fMRI measurement: Theoretical introduction and artifact correction

November, 11th:

09:30 - 09:45	<i>Welcome and Introduction</i>
09:45 - 11:15	Analysis of evoked potentials with BrainVision Analyzer
11:15 - 11:30	<i>Coffee break</i>
11:30 - 13:00	Practice session: Evoked Potential Analysis with BrainVision Analyzer
12:00 - 14:00	<i>Lunch break</i>
14:00 - 15:30	Time-Frequency and Phase Domain related analyses with BrainVision Analyzer
15:30 - 15:45	<i>Coffee break</i>
15:45 - 17:15	Practice session: Time-Frequency/Phase domain analyses with BrainVision Analyzer

November 12th:

09:30 - 10:30	Introduction to Independent Component Analysis with BrainVision Analyzer
10:30 - 11:30	Practice session: Independent Component Analysis with BrainVision Analyzer
11:30 - 11:45	<i>Coffee break</i>
11:45 - 12:45	Introduction to deriving EEG in the MR environment: Limits and possibilities
12:45 - 13:45	<i>Lunch break</i>
13:45 - 14:45	Correction of EEG data derived in the MR: Gradient artifacts and their removal
14:45 - 15:30	Practice session: Gradient artifact removal from combined EEG/fMRI data recordings
15:30 - 15:45	<i>Coffee break</i>
15:45 - 16:45	Correction of EEG data derived in the MR: Cardiobalistic artifacts and their removal
16:45 - 17:30	Practice session: Cardiobalistic artifact quantification and removal from EEG/fMRI
17:30	<i>Workshop end</i>