



**Lecture Series "Neuroimaging Physics & Signal Processing:
Electroencephalography and Magnetoencephalography" (Basic Lecture)**

14-16 May 2018

	14 May 2018	15 May 2018	16 May 2018
09:00-10:30	Saskia Helbling Electroencephalography and Magnetoencephalography: Principles and Signal Generation	Burkhard Maess Event-related Signals: Averaging, Component Analysis, Statistics	Burkhard Maess Source Analysis III: Distributed Source Models
10:30-10:45	Break	Break	Break
10:45-12:15	Thomas Knoesche Electroencephalography: Instrumentation and Recording	Saskia Helbling Analysis of Brain Oscillations	Thomas Knoesche Connectivity Analysis
12:15-13:00	Lunch	Lunch	Lunch
13:00-14:30	Saskia Helbling Magnetoencephalography: Instrumentation and Recording	Saskia Helbling Source Analysis I: Overview and Head Modeling	Thomas Knoesche Dynamic Modeling
14:30-14:45	Break	Break	Break
14:45-16:15	Burkhard Maess Spontaneous Signals and Basic Signal Processing: Filtering, Artefact Treatment, Interpolation, etc.	Burkhard Maess Source Analysis II: Focal Sources – Dipole Fitting and Scanning Methods	Thomas Knoesche Discussion: EEG and MEG in Relation to other Brain Imaging Techniques

Organiser

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Venue

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• <http://imprs-neurocom.mpg.de/seminars-events/upcoming>