



CEITEC



Core facility MAFIL – Multimodal and Functional Imaging Laboratory, CEITEC Masaryk University  
HuBraM – Section of functional brain mapping ČSKN ČLS

would like to invite you to

# Workshop: Measurement, Processing and Analysis of Neuroimaging and Electrophysiological Data

Masaryk University Campus Bohunice

## 11. – 12.11.2015

Building A35, Kamenice 5, Brno  
Entrance from Studentská street

The workshop is focused on master's and doctor's degree students and also researchers in the field of fMRI regardless of primary background. However, any basic knowledge about a functional brain mapping will be convenient.

### Workshop will cover these topics:

- Preparation of experiments and measurements
- Basic fMRI data processing
- Physiological artefact suppression in fMRI data with/without usage of physiological recordings
- Mapping and suppression of movement artefacts in fMRI data
- Examples of possible issues during preprocessing or statistical analysis of fMRI data
- Functional and effective brain connectivity
- Morphometric methods
- Diffusion imaging
- Basic EEG processing and analysis
- Advanced EEG processing and analysis
- Simultaneous measurement of physiological signals (EEG, ECG, breathing,...) and fMRI, practical aspects, processing of electrophysiological data for usage in the consequent fMRI analysis

Category	Registration fee – members of HuBraM and CEITEC	Registration fee – others
Bachelor and master students	200 CZK	250 CZK
Doctoral (PhD) students	250 CZK	300 CZK
Others	300 CZK	400 CZK

Any news and detailed program will be announced soon at [www.hubram.cz](http://www.hubram.cz) and [www.ceitec.muni.cz](http://www.ceitec.muni.cz)

To make a reservation and ask for details, contact Michaela Vanharova at [michaela.vanharova@ceitec.muni.cz](mailto:michaela.vanharova@ceitec.muni.cz).

