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ASA & Cognitrace Usermeeting

Brussels

September 25 - 26, 2009

In collaboration with

**Cliniques Universitaire St Luc
Centre d'Algologie**

Avenue Hippocrate, 10

1200 Bruxelles

Belgique

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ASA Usermeeting

Program – Friday, September 25, 2009

- 08:30 **Welcome / Opening**
- 09:00 **Introduction to ASA - Lab**
Short introduction into EEG/ERP recording and analysis with ASA-Lab.
- 09:30 **Live data acquisition: ERP hardware, caps, recording & stimulation**
An ERP paradigm will be used to demonstrate the features of the ASA-Lab system.
- 10:15 **Coffee break**
- 10:30 **Signal inspection and processing in time and frequency domain**
The ASA-Lab signal processing tools will be presented. Visualization of raw EEG, single trial data and averages, 3D mapping in time and frequency domain and interaction with the data input for analysis will be discussed in detail.
- 11:30 **Group study analysis with the ASA Experiment Manager**
The ASA Experiment Manager is an addition to ASA-Lab that allows easy and intuitive organizing and efficient processing of group data and will be explained in detail. Moreover, several specialized tools for signal processing, such as eye blink correction, trigger extraction and conditioning, will be presented.
- 13:00 **Lunch break**
- 14:30 **Source analysis: Localization of brain functions based on ERP using dipole fit, MUSIC and (sw)LORETA and integration with MRI**
Source localization methods will be applied to a set of ERP data to illustrate the advantages and pitfalls of the specific methods. Practical questions such as accuracy concerns and statistical post-processing across subjects will be addressed.
- 16:00 **Extensions to ASA Analysis: data exchange and automation**
ASA-Lab is an open environment that offers a wealth of functionality for exchanging data with other tools such as MS-Excel, Matlab and others. File-based data exchange issues as well as script-based communication with ASA will be presented in practical examples.
- 17:00 **Presentation of Xensor electrode digitizer and Visor TMS Neuro-navigation system**
- 17:30 **Summary and discussion**
Topics for the 19th Neuro Meeting Bourgogne, Jan 20 to 23, 2010.



Cognitrace Usermeeting

Program – Saturday, September 26, 2009

- 08:30 **Welcome / Opening**
- 09:00 **Live data acquisition with Cognitrace 4**
All recording aspects of the new Cognitrace will be presented
Presentation of **new** WaveGuard cap
Patient administration
- 10:30 **Coffee break**
- 10:45 **Analysis and reporting of P300, CNV, MMN and P50**
Manual analysis and automated reporting
Cases studies
- 11:45 **Analysis and reporting of Eyes Open/Closed, AEP, VEP protocols**
Including comparison to the normative database of F. Duffy
Cases studies
- 13:00 **Lunch break**
- 14:30 **Analysis and reporting of EEG**
Review of EEG and semi-automated analysis with SmartEEG™
Cases studies
- 15:30 **Advanced analysis with Cognitrace and ASA**
Group analysis with ASA experiment manager, LORETA source localization, etc.
- 16:30 **Presentation of Visor Neuro-navigation system**
For the use of trans-cranial magnetic stimulation (TMS) in psychiatry.
- 17:00 **Summary and discussion**
Topics for the 19th Neuro Meeting Bourgogne, January 20 to 23, 2010.



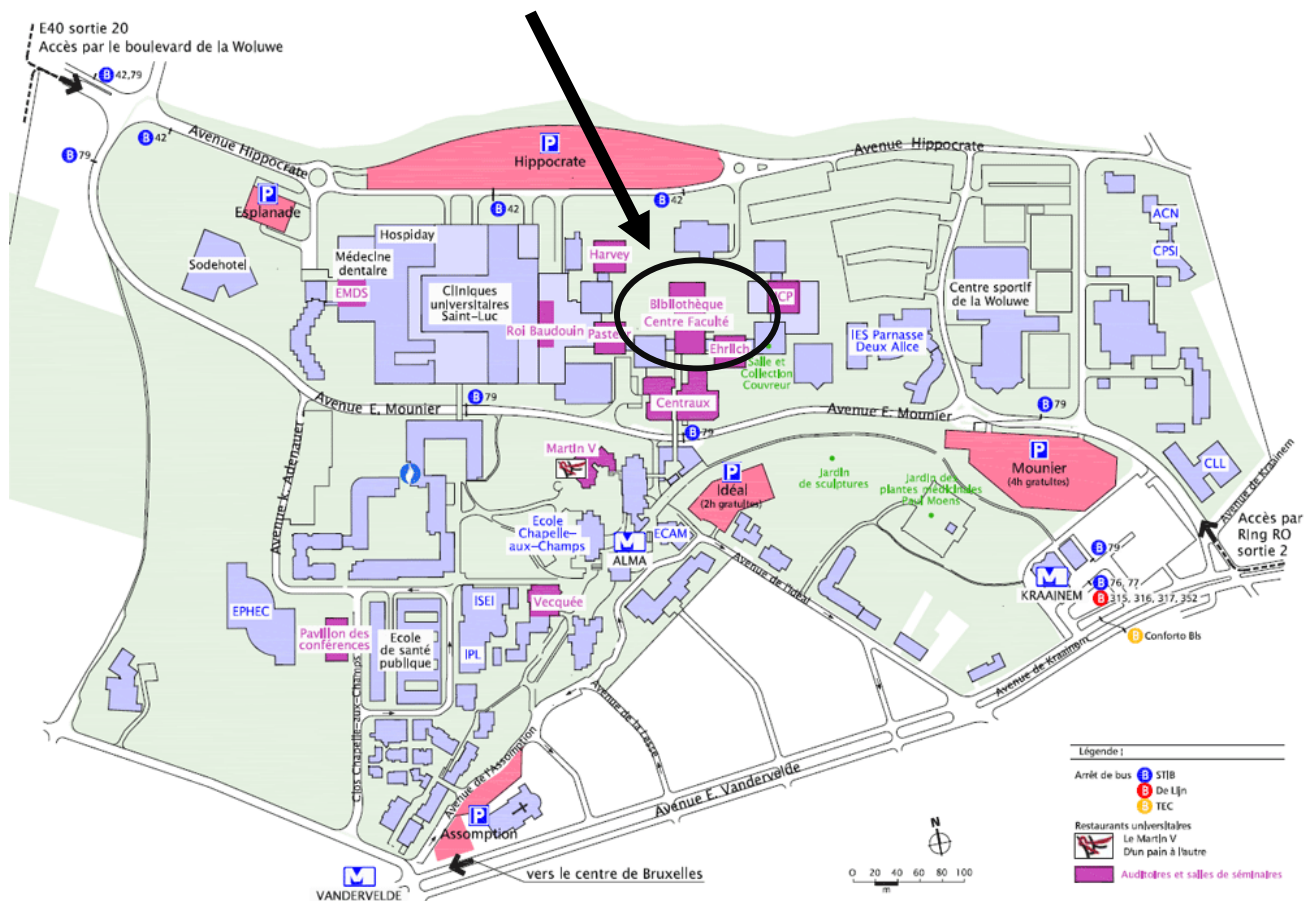
Venue

Faculté Bibliothèque St Luc

Av. Mounier 50

1200 Woluwe-Saint-Lambert

Suivre « Salles Didactiques » situé sous la Bibliothèque



<http://www.uclouvain.be/cps/ucl/doc/mobilite/documents/plandetaille.pdf>

Registration

The registration form can be downloaded from our website at

<http://www.ant-neuro.com/events/brussels2009>