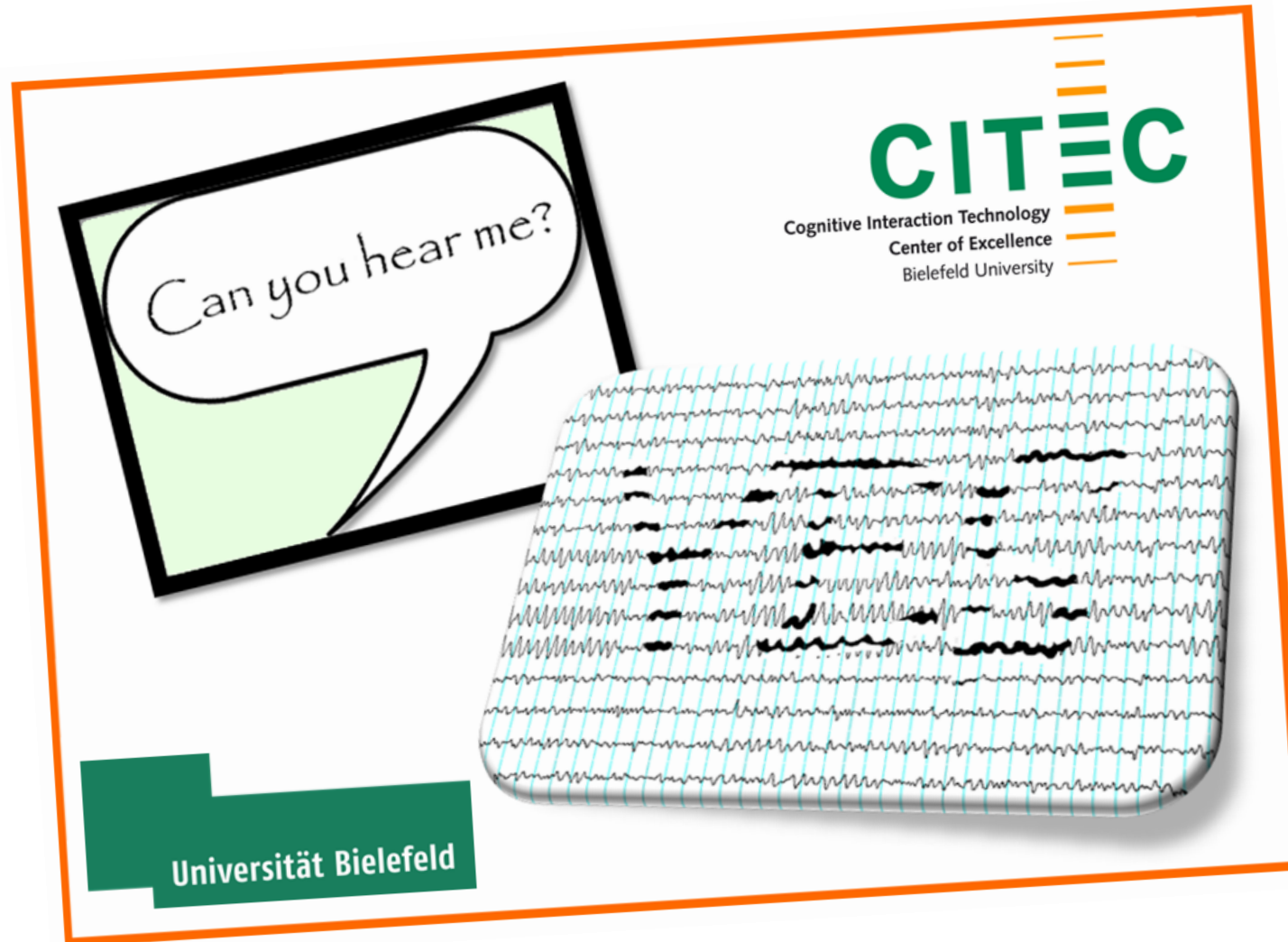


'Establishing communication with low responsive patients - perspectives for cognitive interaction technology'



Thursday, 03.September 2015

9.00 - 9.30	Welcome/Introduction	Kissler / Ritter	
9.30 - 10.15		End of life decisions in low responsive patients Diagnosis, Prognosis, Suffering and Quality of life	Boris Kotchoubey
10.15 - 11.00		Prognosis in DOC and the need to communicate Prognosis-profiles and caregivers needs	Inga Steppacher
11.00 – 11.30	Coffee Break		
11.30 – 12.15		Neuroimaging in DOC: paradigms and revolutions Cortical processing, command following and structural foundation of consciousness	Martin Monti
12.15 – 13.00		Insights and applications from contrasting conscious states Potential brain measures that might distinguish conscious from non-conscious processing	Jacobo Sitt
13.00 – 14.30	Lunch		
14.30 - 15.15		From classifier result to patient diagnosis Detect “command following” in patients with disorders of consciousness with fMRI -> patients' ability to generate brain activation with several paradigms	Quentin Noirhomme
15.15 - 16.00		Robust and multimodal Neuroimaging	Klaus Robert Müller
16.00 - 16.30	Coffee Break		
16.30 - 17.15		A multidimensional approach to disorders of consciousness Diagnostic assessment procedures need to follow a multidimensional functional approach to achieve of the patient's behavioral capabilities based on a standardized and technically supported assessment	Ruben Real
17.15 – 18.00		Neurophysiological assessment of disorders of consciousness: the Lyon experience from early coma outcome prognosis to the evidence of voluntary processes in behaviorally non-responsive patients Usefulness of ERPs in prognosis and demonstration of a new paradigm for willful modulation of attention	Dominique Morlet

Friday, 04 September 2015

9.00 - 9.45		Mobile and ubiquitous EEG Potential of mobile EEG systems for the monitoring of brain function in natural, uncontrolled environments. Wireless and Smartphone-operated.	Stefan Debener
9.45 - 10.30		Brain-Computer Interfacing with severely motor-impaired patients: Towards BCI as superior control solution	Johannes Höhne
10.30 - 11.00	Coffee Break		
11.00 - 11.45		Towards implicit brain-machine communication - A novel channel for human-machine interaction	Andrea Finke
11.45 - 12.30			Damian Coyle
12.30 - 14.00	Lunch		
14.00 - 14.45		Some potential applications of real-time electrophysiology in disorders of consciousness: from functional evaluation to communication Active auditory BCI paradigms to restore a Yes/No-Code as well as passive approaches to exploit single trial modulations of EEG responses	Jeremie Mattout
14.45 - 15.30		Assessment of a binary Brain-Computer Interface controlled by selective auditory attention An EEG-based interface which makes use of voluntary modulations of attention and perspectives to simplify the protocol and to progressively individualize the paradigm for each patient	Perrine Seguin
15.30 - 16.00		Lab Tour (CITEC)	
17.00	Castle visit & Conference Dinner	Sparrenburg, Bernstein Restaurant	

Saturday, 05 September 2015

9.00 - 9.45		Detecting User States for Meta-Communication How empirical and computational cognitive models can be employed and combined to measure, predict and interpret a user's state	Felix Putze
9.45 - 10.30		Promoting stimulation control and choice in post-coma persons with low responsiveness via microswitch-aided programs Three programs will be introduced. The most basic for self-stimulation, second for communication via a speech generating device. A third type of program may include a microswitch and a multi-function computer system.	Angela Riccio
10.30 - 11.00	Coffee Break		
11.00 - 11.45		Brain-computer interfacing for disorders of consciousness Many challenges exist for these severely brain-injured patients to successfully control such a BCI. I will discuss these challenges and their potential solutions.	Damian Cruse
11.45 - 12.30	Discussion/Farewell	What should be done? What can be done? How should it be done?	All
12.30 - 14.00	Lunch		