



Final ANDREA Workshop

A satellite event at the BaCI Conference 2017

Bern (Switzerland), 30 August 2017

University of Bern, UniS building, Schanzeneckstrasse 1, room A-122

9:00-9:10	Welcome and Introduction	<i>Silvia Comani</i>	BIND Centre, University of Chieti, Italy
Keynote			
9:10-9:40	Gauging cognitive deficits using scalp EEG	<i>Ali Mazaheri</i>	School of Psychology, University of Birmingham, UK
Dry EEG sensors and electronics			
9:40-10:00	Dry electrode coating	<i>Carlos Fonseca</i>	University of Porto, Portugal
10:00-10:20	Dry electrode caps	<i>Jens Haueisen</i>	BMTI, Technische Universität Ilmenau, Germany
10:20-10:40	Dry electrode electronics	<i>Frank Zanow</i>	eemagine Medical Imaging Solutions GmbH, Berlin, Germany
Coffee break			
Keynote			
11:00-11:30	Theory and applications of EEG phase cone analysis	<i>Ceon Ramon</i>	Reykjavik University, Iceland and University of Washington, USA
Processing and comparison of the dry EEG signals			
11:30-11:50	Assessment and comparison of dry electrode signal quality	<i>Patrique Fiedler</i>	BMTI, Technische Universität Ilmenau, Germany
11:50-12:10	The Fingerprint method to reject artifacts from EEG signals	<i>Silvia Comani</i>	BIND Centre, University of Chieti, Italy
12:10-12:30	A novel spatial filtering to reject artifacts from EEG signals	<i>Uwe Graichen</i>	BMTI, Technische Universität Ilmenau, Germany
Lunch break			
Applications in sport			
14:00-14:30	Keynote on sport applications of EEG	<i>Samuele Marcora</i>	School of Sport and Exercise Sciences, University of Kent, UK
14:30-14:50	Dry EEG validation in cyclists	<i>David Stone</i>	BIND Centre, University of Chieti, Italy
14:50-15:10	Dry EEG applications in sports	<i>Maurizio Bertollo</i>	BIND Centre, University of Chieti, Italy
Coffee break			
Applications in neurological patients			
15:30-16:00	Keynote on neurological use of EEG	<i>Sandro Sorbi</i>	Dept. of Neurological and Psychiatric Sciences, University of Florence, Italy
16:00-16:20	Dry EEG validation in neurological patients	<i>Gabriella Tamburro</i>	BIND Centre, University of Chieti, Italy
16:20-16:40	Dry EEG application in neurology	<i>Lucia Velluto</i>	Casa di Cura Privata Villa Serena, Pescara, Italy
Dry electrode EEG system demonstration			
16:40-17:20	Dry electrodes	<i>Frank Zanow, Martjin Schreuder, Patrique Fiedler</i>	eemagine Medical Imaging Solutions GmbH, Berlin, and BMTI, Technische Universität Ilmenau, Germany
17:20-17:30	Closing remarks	<i>Jens Haueisen</i>	BMTI, Technische Universität Ilmenau, Germany