

## Hands-on workshop on ANT's multi-pin dry electrodes

**Time:** Wednesday, Jan 21, from 14 to 18 PM

**Location:** Hotel Le Panorama, Beaune, France - Neurometing 2015

The workshop is organized within the framework of the Transfer of knowledge activities foreseen in the ANDREA project ([www.andreaproject.eu/](http://www.andreaproject.eu/)) - an EU funded ongoing activity dedicated to the development “Active Nanocoated DRy-electrode for Eeg Applications”. During the workshop a variety of applications areas will be discussed to learn how the novel multi-pin dry electrodes can be used in today’s research. A few examples from previous EEG / ERP and BCI studies will be presented. Additionally, the participants will be invited to use the cap by themselves in a few small experiments and gain firsthand experience with this new technology. There will be time dedicated for discussions about signal quality and artifact correction, and participants will be given the opportunity to learn from the experts that developed the multi-pin dry electrodes.

The workshop relates to those interested in gel-free EEG, especially in BCI, medical and non-medical application areas. The demonstration and discussion will enable participants to evaluate the benefits of dry electrodes, their limitations, novel concepts for determination and elimination of artifacts, and to gain practical experience for possible future own applications of this new sensor technology.

### **Program:**

- Short presentation about the ANDREA project and the process of developing the multi-pin electrodes
- Features
- Multi-pin dry electrodes in use: Studies and application cases
- Hands-on experiments
- Discussion questions & answers.

### **Names of the presenters:**

- Assoc. Prof. Silvia Comani, PhD, University “G. d’Annunzio” of Chieti-Pescara, Chieti, Italy
- Prof. Dr.-Ing. habil. Jens Haueisen, Ilmenau University of Technology, Ilmenau, Germany
- Assoc. Prof. Carlos Fonseca, PhD, University of Porto, Porto, Portugal
- Frank Zanow, PhD, Neuromotion, Berlin, Germany