Testing Rich Touch

David Gueorguiev ESR2, UCL, Belgium

The Prototouch project, a FP7 Marie Curie Actions aims to create innovative tactile devices that bring new dimensions to the tactile experience. These new features, which are totally absent from nowadays' tactile technology, will need careful calibration and testing. This part of the project is developed at the institute of neuroscience (IoNS) of the university of Louvain in Belgium. There, ESR's Athanasia Moungou and David Gueorguiev are learning methods and skills for scientific testing of touch with experts in the field.

We spent the first few months looking for method to adapt scientific equipment like EEG (measurement of the electrical activity of the brain) or force sensors to evaluation of tactile displays as well as cultural integration within a French-speaking environment.

The first challenge ESR's from Belgium is to be ready to confidently present psychophysical and neuroscientific techniques at the conference Eurohaptics 2014 where Prototouch fellows will organise a "Marie Curie Ambassadors" event to present and promote the project.

Eurohaptics is a major international conference and the primary European meeting for researchers in the field of human haptic sensing and touch enabled computer applications. This diverse field covers research in areas including haptic perception, haptic hardware development, through to end applications and users, such as surgical simulation, rehabilitation robotics, and haptic feedback for design and applied arts applications. It is also the perfect opportunity to present our project to experts of the field.

Look for more information at:

https://www.uclouvain.be/en-ions.html

http://eurohaptics2014.limsi.fr