PhD position in Applied Cognitive Neuroscience and Machine Learning at ISAE-SUPAERO, Aeronautics and Space Center, Toulouse, France

We seek to fill a 3-year position for a PhD student in the areas of Applied Cognitive Neuroscience and Machine Learning. The research project is called "Smart Cockpit: Online monitoring of two pilots using EEG and fNIRS".

The PhD candidate will be welcomed in the Neuroergonomics & Human Factors team led by Pr Frédéric Dehais. This Laboratory gives access to top-of-the-art eye-tracking, electrophysiology and neuroimaging techniques (fNIRS), as well as a motion flight simulator and real aircrafts. The starting date is October 1, 2016.

A Master's degree (or equivalent) in machine learning, biomedical engineering, neuroscience, cognitive science, or a related field is necessary. Prior experience in experimentation, statistical analysis and programming is desirable (e.g. in Matlab, Python, C/C++). Ideal candidates will have strong writing skills. Personal initiative, a taste for multidisciplinarity, and a strong interest in experimental work will be essential prerequisites.

The PhD candidate will be responsible for designing and running experimental campaigns, collecting and analyzing data, as well as writing articles. She/he will be co-supervised by Dr Raphaëlle N. Roy and Pr Frédéric Dehais and join a strong interdisciplinary team of Master and PhD students and postdoctoral researchers.

Deadline for Application is May 6, 2016.

If you are interested in this position, please email a cover letter, your CV and the names of three referees to Dr Raphaëlle N. Roy (raphaelle.roy [at] isae.fr) or Pr Frédéric Dehais (frederic.dehais [at] isae.fr).