

## EIGHTH COMPUTER SCIENCE AND ELECTRONIC ENGINEERING CONFERENCE, 28TH – 30TH SEPTEMBER 2016, UNIVERSITY OF ESSEX

### SPECIAL SESSION ON TECHNOLOGIES FOR NEURAL ENGINEERING

#### CALL FOR PAPERS

Neural Engineering is an emerging core research area at the border of neurosciences and engineering. Recent technological developments have been used to improve patients' quality of life for different pathologies. These development include for example Brain-Computer Interfaces (BCIs), providing a means of communication for severely paralysed people, or even neural implant, providing a new paradigm to address neurological diseases and rehabilitation. This special session aims at highlighting the novel engineering innovations for neural engineering and researches deepening knowledge of brain function.

Researchers are hereby invited to submit a full paper (5-6 pages) detailing their research, or a short paper (max 4 pages) describing their work-in-progress. All submitted papers will be subject to peer reviewing by at least two reviewers for technical merit, significance and relevance to the topics. Further information is available from the CEEC 2016 website <http://www.ceec.uk>. Submission implies the willingness of at least one author per paper to register, attend the conference and present the paper. Proceedings will be published on **IEEE Xplore**. Authors of selected articles will be invited to submit an extended version to a **Special Issue of the Computers journal** ([http://www.mdpi.com/journal/computers/special\\_issues/ceec\\_2016](http://www.mdpi.com/journal/computers/special_issues/ceec_2016)).

This special session welcomes submissions on (but not limited to) the following cross-disciplinary topics:

- Neuroscience
- Brain-Computer Interfaces
- Brain-Machine Interfaces
- Neural Prostheses
- Neural Engineering
- Therapeutic & Diagnostic System
- Neural Signal Processing
- Cognitive Engineering and Science
- Neurorehabilitation
- Neuromodulation
- Neuro-Robotics
- Micro- & Nano-bioengineering

#### IMPORTANT DATES

Paper Submission deadline: 15<sup>th</sup> May 2016  
Camera-ready Manuscript: 7<sup>th</sup> August 2016

Notification of acceptance: 15<sup>th</sup> July 2016  
Registration deadline: 15<sup>th</sup> August 2016

Please find more information at the CEEC 2016 webpage: <http://www.ceec.uk>