



Biennial since 1998

CSNDSP
2018

Special Session on Biomedical Engineering and Electronics

Name and affiliation of organizers:

Prof. Mohammad Ghavami
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Mohammad Ghavami is Professor of Telecommunications Engineering and the founder and leader of Biomedical Engineering and Communications (BiMEC) research at LSBU. He has been very successful in developing the multi-disciplinary expertise within BiMEC. His expertise lies in the areas of Ultra Wideband (UWB) technology, Adaptive and smart antenna, wireless sensor networks, and Telecommunication systems for healthcare applications.

Prof. Alireza Ahmadian
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Alireza Ahmadian is Professor of Biomedical Engineering and the Head of Research Centre for Biomedical Technology and Robotics at TUMS. He has been working in the field of biomedical signal and image processing in particular implementing image guided intervention systems. He has been the founder of a knowledge based company, Parsiss by which a novel image guided navigation systems for Neurosurgery, ENT surgery, and Dental implant surgery has been designed and developed.

Scope of the session

The special session on Biomedical Engineering and Electronics invites unpublished original papers exploring recent advances and developments in the Multi-disciplinary applications of Bio-engineering and Bio-informatics, Computational Biology and Biomedical Electronics. The main objective of this special session is to bring together both experts and new-comers to discuss novel and exciting issues in these areas. We encourage submission of methodology papers describing new challenges and techniques as well as application papers discussing the power and applicability of these novel methods in Bioinformatics, Computational Biology and Biomedical Engineering.

Prospective authors are invited to submit original and unpublished work on the following research topics related to this Special Session:

- Bioinformatics, Computational Biology and Systems Biology
- Micro- and Nano-bioengineering
- Wearable and Implantable Systems
- Biophysics and Medical Physics
- Biomedical Devices, Sensors and Systems
- Bio-sensing and Bio-signal Analysis and Processing
- Biomedical Optics
- Healthcare Information Systems and Health Informatics
- Wireless Technologies for Healthcare Applications