

iCAST 2017 Special Session Proposal**Deadline: June 01, 2017**

Session Title:

Applications of Biomedical Engineering and Healthcare Information

Session Chair with Contact Information:

Prof. Shing-Hong Liu, Chaoyang U. Tech., shliu@cyut.edu.tw

Session Organizers:

Prof. Shing-Hong Liu, Prof. Jia-Jung Wang, Prof. Chiun-Li Chin

Aim:

Advances in Biomedical Engineering and their applications to health informatics, intelligent communication systems and sensing techniques have generated interest from both industry and academia. This session, Applications of Biomedical Engineering and Healthcare information will bring researchers and experts together to present and discuss the latest developments and technical solutions concerning various aspects of advances in biomedical engineering and healthcare technologies. This session seeks original unpublished papers focusing on theoretical analysis, emerging applications, novel system architecture construction and design, experimental studies, and social impacts of biomedical engineering.

This special session will be focusing on (but not limited to) the following topics:

- Biomedical Signal Processing
- Biomedical Imaging and Image Processing
- Bioinformatics and Computational Biology, Systems Biology & Modeling Methodologies
- Cardiovascular and Respiratory Systems Engineering
- Neural and Rehabilitation Engineering
- Therapeutic and Diagnostic Systems, Devices and Technologies & Clinical Engineering
- Healthcare Information Systems & Telemedicine
- Biomedical Engineering Education
- Technologies for Active Ageing and Wellbeing

Session organizers:**Prof. Shing-Hong Liu**

Department of Computer Science and Information Engineering

Chaoyang University of Technology

168, Jifong East Road, Wufong Dist.,

Taichung City 41349, Taiwan.

Phone: 886-4-23323000#5211

Fax: 886-4-2330-5539

Email: shliu@cyut.edu.tw

Prof. Chiun-Li Chin

Department of Medical Informatics

Chung Shan Medical University

No.110,Sec.1,Jianguo N.Rd.,Taichung City 40201,Taiwan.

Phone: 886-4-24730022#12186

Email: ernestli@csmu.edu.tw

Prof. Jia-Jung Wang

Department of Biomedical Engineering

I-Shou University

8 Yida Road, Yanchao District

Kaohsiung City 82445, Taiwan

Phone: 886-7-6151100#7464

Email: wangjj@isu.edu.tw