

2017 IEEE/SICE International Symposium on System Integration (SII2017)

## Special Session on “Biomedical Circuits and Signal Processing”

organized by

Principal Organizer: Prof. Chung-Hsien Kuo ([chkuo@mail.ntust.edu.tw](mailto:chkuo@mail.ntust.edu.tw))  
National Taiwan University of Science and Technology

Organizer : Prof. Hsiao-Chin Chen ([hcchen@mail.ntust.edu.tw](mailto:hcchen@mail.ntust.edu.tw))  
National Taiwan University of Science and Technology

### Call for Papers

**Theme:** Biomedical circuits and signal processing are key technologies for developing novel medical instruments, wearable devices and medical assessment systems. This special session aims at exploring the design and development of state-of-the-art biomedical circuits and signal processing techniques for different medical applications, such as temperature sensor for on-chip microwave heating systems, TCM-based pulse impedance measurement systems, skin-surface laser-Doppler signal, inertial measurement unit (IMU) sensor based gait analysis, brain-computer interface for healthcare applications, etc.

#### Topics of interest include, but are not limited to:

- Biomedical circuit design and applications
- Wearable devices and applications
- Biomedical signal processing
- Motion capture and gait analysis
- Brain-computer interface and intelligent healthcare systems

**Submissions Procedure:** All the instructions for paper submission are included in the conference website <http://www.sii2017.org>. A good quality paper may be considered for publication in IEEE Transactions on Industrial Informatics subjects to further rounds of review

#### Deadlines:

Reception of full paper:	June 30, 2017
Paper acceptance notification:	September 20, 2017
Camera ready paper reception:	October 20, 2017