



# The 13<sup>th</sup> IEEE-EMBS International Summer School and Symposium on Medical Devices and Biosensors

in conjunction with

The 11<sup>th</sup> International School and Symposium on Biomedical and Health Engineering  
28-29, September 2019. Chengdu, China

## Final Call for Papers

The 13<sup>th</sup> IEEE-EMBS International Summer School and Symposium on Medical Devices and Biosensors (MDBS'2019) will be held in Chengdu, China, on September 28-29, 2019. The 11<sup>th</sup> International School and Symposium on Biomedical and Health Engineering (BHE'2019), sponsored by the University of Electronic Science and Technology of China (UESTC), will be held jointly with MDBS'2019 at the same venue during the same period of time. The main theme of MDBS-BHE'2019 is “**Flexible Sensing, Medical Imaging and AI for Cerebro-cardiovascular Health**”.

The MDBS –BHE'2019 technical program includes the following topics (but not limited to):

- Flexible, wearable and implantable sensors and devices
- Multi-modal biomedical imaging
- AI in biomedical and health engineering
- Bio-inspired robotics and biomimics
- Flexible, stretchable and printable bioelectronics
- Body sensor networks/Body area networks/body net
- Unobtrusive physiological sensing
- Multi-scale modeling and information fusion
- Health informatics for precision medicine
- Nano-sensing and nano-technologies for bio-marker detection
- Applications in cardiovascular, neurological and other major diseases

### *Who Should Participate:*

1. Faculty members, researchers and students with an interest in wearable sensing, bio-robotics or molecular imaging.
2. Researchers and engineers from public and private sectors with interest in the latest emerging technological developments in medical devices and their clinical applications.

### *Important Dates:*

Paper submission deadline: ~~12 Jul 2019~~ 26 July 2019

Accept/reject notification: ~~2 Aug 2019~~ 10 Aug 2019

The authors of the selected outstanding papers with journal quality will be invited to extend their contribution for the submission to a Special Issue on ‘Flexible Sensing, Medical Imaging and AI for Cerebro-cardiovascular Health’ in IEEE Journal of Biomedical and Health Informatics.

<http://mdbs-bhe2019.medmeeting.org/en>

### MDBS 2019 Committees

#### Conference Chair

**Prof. Yuan-ting Zhang**

*The City University of Hong Kong, Hong Kong*

#### Conference Co-Chair

**Prof. Paolo Bonato**

*Harvard Medical School, USA*

#### Technical Program Chair:

**Prof. Yifan Chen**

*University of Electronic Science and Technology of China, China*

### BHE 2019 Committees

#### Conference Chair

**Prof. Yifan Chen**

*University of Electronic Science and Technology of China, China*

#### Conference Co-Chair

**Mr. Qin Yuan**

*University of Electronic Science and Technology of China, China*

#### Technical Program Co-Chair

**Dr. Fei Chen**

*Southern Univ. of Science and Technology, China*

### Enquiries:

Prof. Yifan Chen

Email: yifan.chen@uestc.edu.cn

Dr. Fei Chen

Email: fchen@sustech.edu.cn

