

The 11th IEEE-EMBS International Summer School and Symposium on Medical Devices and Biosensors

in conjunction with

The 10th International School and Symposium on Biomedical and Health Engineering

08-10, July 2017. Shenzhen, China



MDBS 2017 Committees

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Prof. Yuan-ting Zhang

Key Lab for Health Informatics of Chinese Academy of Sciences, China
The Chinese University of Hong Kong, HK

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Southern Univ. of Science and Technology, China

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Conference Chair

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Key Lab for Health Informatics of Chinese Academy of Sciences, China

Conference Co-Chair

Dr. Lin-tao Cai

CAS-SIAT Institute of Biomedical and Health Engineering, China

Technical Program Co-Chairs

Dr. Jia Liu, Dr. Yun-peng Cai

CAS-SIAT Institute of Biomedical and Health Engineering, China

Conference Webmaster

Yong Feng

Southern Univ. of Science and Technology, China

Call for papers

The 11th IEEE-EMBS International Summer School and Symposium on Medical Devices and Biosensors (MDBS' 2017) will be held at Southern University of Science and Technology, Shenzhen, China, on July 08 - July 10, 2017, immediately before the 39th Annual International Conference of IEEE-EMBS to be held in Korea. The 10th International School and Symposium on Biomedical and Health Engineering (BHE' 2017), sponsored by the Key Lab for Health Informatics of Chinese Academy of Sciences (HICAS), will be held jointly with MDBS'2017 at the same venue during the same period of time. The main theme of MDBS-BHE'2017 is "**Wearable Sensing, Bio-robotics and Molecular Imaging for Precision Medicine**".

The technical program includes the following topics (but not limited to):

- ◇ Wearable and implantable sensors and devices
- ◇ Bio-inspired robotics and biomimics
- ◇ Flexible-Stretchable and printable bioelectronics
- ◇ Body sensor networks (BSN)/Body area networks (BAN)/body net
- ◇ Unobtrusive physiological sensing
- ◇ Nano-sensing and nano-technologies for bio-marker detection
- ◇ Multi-modal fast biomedical imaging and processing
- ◇ Multi-scale modeling and information fusion
- ◇ Applications in cardiovascular, neurological and other major diseases
- ◇ Health informatics for precision medicine

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:	15 May, 2017
Notification of Paper Acceptance:	31 May, 2017
Registration Deadline:	16 June, 2017

Enquiries:

Dr. Fei Chen, Email: fchen@sustc.edu.cn Tel: 0755-88018554

Dr. Ye Li, Email: ye.li@siat.ac.cn Tel: 0755-26803573

KEYNOTE SPEAKERS (ordered alphabetically)



DING, Lei

Presidential Professor of Biomedical Engineering, Electrical and Computer Engineering, and Neuroscience, University of Oklahoma.
Affiliated Associate Professor at the Laureate Institute for Brain Research, Tulsa, Oklahoma.



FOTIADIS, Dimitrios I.

Professor of Biomedical Engineering, Director of the Unit of Medical Technology and Intelligent Information Systems, University of Ioannina, Greece.
Editor-in-Chief of the IEEE Journal of Biomedical and Health Informatics.



LIANG, Zhipei

Franklin W. Woeltge Professor, Department of Electrical and Computer Engineering, University of Illinois at Urbana-Champaign.
President, IEEE Engineering in Medicine and Biology Society (EMBS), 2011-2012.
Vice President (Conferences), IEEE-EMBS, 2006-2007 & 2008-2009.



MA, Hui

Professor of the Division of Life Science and Health, Graduate School at Shenzhen, and Department of Physics, Tsinghua University.
Founder of the Laboratory of Optical Imaging and Sensing, Graduate School at Shenzhen, Tsinghua University.



MENG, Max Qinghu

Professor, Chairman of Department of Electronic Engineering, Chinese University of Hong Kong.
Fellow of IEEE.



NIE, Shuming

Professor, Founding Dean of Modern Engineering, Nanjing University.
Wallace H. Coulter Distinguished Chair Professor in Biomedical Engineering at Emory University and the Georgia Institute of Technology, with joint appointments in chemistry, materials science and engineering, and hematology and oncology.



PAN, Xiaochuan

Professor, Department of Radiology, Department of Radiation and Cellular Oncology, University of Chicago.
Fellow of AAPM, AIMBE, IEEE, OSA, SPIE.



PANG, Zhibo

Principal Scientist and Project Manager on Industrial IoT at ABB Corporate Research, Västerås, Sweden.
Adjunct Professor or similar roles at universities such as Royal Institute of Technology (KTH), Sweden, Tsinghua University, China, and Beijing University of Posts and Telecommunications (BUPT), China.



PATTICHIS, Constantinos S.

Professor, Department of Computer Science, University of Cyprus, Cyprus.
Associate Editor of the IEEE Journal of Biomedical and Health Informatics.
Distinguished Lecturer of the IEEE-EMBS, Fellow of IET.



TAMURA, Toshiyo

Visiting senior researcher, Institute for healthcare robotics, Osaka, Japan.
Professor of Department of Biomedical Engineering, Osaka Electro-Communication University, Japan (2012-2015).



TAN, Lihai

Director of Shenzhen Institute of Neuroscience.
Distinguished University Professor of Shenzhen University.
Editorial board member of Human Brain Mapping, Neuroscience, Journal of Neurolinguistics, Culture and Brain, and Contemporary Linguistics.



WANG, May Dongmei

Professor, Kavli Fellow, Georgia Research Alliance Distinguished Cancer Scholar.
Director of Biocomputing and Bioinformatics Core in Emory-Georgia Tech Cancer Nanotechnology Center.

