



## 2017 International Conference on Orange Technologies

The 2017 International Conference on Orange Technologies (ICOT 2017) will be held in Singapore during 8-10 December 2017, organized by COLIPS with IEEE as the technical co-sponsor. The conference will stimulate the establishment of Orange Technologies and to bring together scientists, engineers and other interdisciplinary professionals to share innovation ideas. It features keynote speeches, invited speeches, special sessions, in addition to regular technical sessions. Authors are encouraged to submit original papers in any area related to orange technologies, including but not limited to the following topics:

### HEALTH TECHNOLOGY

- Biomedical Engineering and Applications
- Information Technology in Biomedicine
- Medical Imaging Processing
- fMRI-Based Neuro-Computing
- Biomedical Sensors, Transducers, and BioMEMS
- Biomedical informatics, Brain informatics, Imaging informatics
- Biomedical Circuits and Systems
- Intelligent Health Instrumentation
- Rehabilitation Technology
- Telehealth and Telecare

### HAPPINESS TECHNOLOGY AND INDEX

- Affective Computing for Happiness Detection
- Long-Term Positive Emotion Detection
- Smiling Faces and Laughter Detection
- Happiness Detection from Psychological/Physiological Bio-Signals
- System Design for Happiness Promotion
- Theory and Measurement of Gross National Happiness (GNH) Index
- Cultural Difference and Cross National Comparison in GNH
- Intelligent Health Instrumentation
- Rehabilitation Technology
- National Policy Making and Strategies for Enhancing GNH

### WARMING CARE TECHNOLOGY

- Information Technology in Health and Mental Care
- Friendly and Affordable Human-Machine Interface for Senior and Children Care
- Cloud Health and Mental Care Services
- Assistive Technology and Senior Companion Robot
- Smart Living for Elderly and Children Care
- Body-Mind Fitness Care

#### GENERAL CHAIR

Haizhou LI

National University of Singapore, Singapore

#### GENERAL CO-CHAIRS

Jhing-Fa WANG

National Cheng Kung University, Taiwan

Jiannong CAO

The Hong Kong Polytechnic University,  
Hong Kong

Yanning ZHANG

Northwestern Polytechnical University,  
Xi'an, China

Yanchun ZHANG

Victoria University, Melbourne, Australia

#### TECHNICAL PROGRAM CO-CHAIRS

Ta-Wen KUAN

National Cheng Kung University, Taiwan

Cuntai Guan

Nanyang Technological University,  
Singapore

Ye WANG

National University of Singapore, Singapore

Minghui DONG

Institute for Infocomm Research, Singapore

#### LOCAL ARRANGEMENT CHAIR

Lei Wang

Institute for Infocomm Research, Singapore

#### IMPORTANT DATES

- Submission: 20 September 2017
- Notification: 20 October 2017
- Camera-ready: 27 October 2017