

## 2015 International Conference on Orange Technologies

### MAIN THEME

Orange Technology, together with Green Technology, forms the double helical structure of sustainable human development. Instead of emphasizing the relations between environments and humans, as proposed by green technology, the orange technology aims to discover the relationship between human development and happiness, and bring more health, happiness, warming care, and more mental wellness to the society. The research scope includes computer science, electrical engineering, biomedical engineering, psychological/physiological science, cognitive science, social science, and dechnology (design + technology).

The 2015 International Conference on Orange Technologies (ICOT2015) will be held in Hong Kong, known as the pearl of the orient, from 19 - 22 December 2015. ICOT2015 will provide an interactive forum for researchers, engineers and vendors from different disciplines to exchange ideas and experiences, identify future directions and challenges, as well as promote developments and applications of orange technology. This conference will significantly benefit a large variety of audience from both academic and industry. You are cordially invited and most welcome to participate in ICOT2015.

### HONORARY CHAIRS

Timothy Tong (PolyU, HK)  
Hueyjen Su (NCKU, TW)

### GENERAL CHAIRS

Jhingfa Wang (NCKU, TW)  
Jiannong Cao (PolyU, HK)

### PROGRAM CHAIRS

Christian Becker (Univ. of Mannheim,  
Germany)  
Lei Xie (NWPU, China)  
Jiaching Wang (NCU, TW)  
Tawen Kuan (NCKU, TW)

### SPECIAL SESSION CHAIRS

Chunghsien Wu (NCKU, TW)  
Chiyue Chiu (CUHK, HK)  
Zhonghua Fu (NWPU, China)  
Lei Xie (NWPU, China)  
Shyhnan Liou (NCKU, TW)  
Anchao Tsai (Tajen Univ., TW)  
Tawen Kuan (NCKU, TW)  
Dong Xuan (OSU, USA)  
Sriram Chellappan (USF, USA)  
Ichiro Satoh (NII, Japan)

### TUTORIAL/WORKSHOP CHAIRS

Jane You (PolyU, HK)  
Guoliang Xing (MSU, USA)

### PUBLICATION CHAIRS

Yuanqing Zheng (PolyU, HK)  
Pochuan Lin (Tung Fang Design  
Institute, TW)

### FINANCE CHAIR

Carmen Au (PolyU, HK)

### PANEL CHAIRS

Giuseppe Anastasi (Univ. of Pisa, Italy)  
George Baciu (PolyU, HK)

### PUBLICITY CHAIR

Jiaosiang Wu (Tajen Univ., TW)

### LOCAL ARRANGEMENT CHAIR

Carmen Au (PolyU, HK)

### IMPORTANT DATES

- Submission: 15 August 2015
- Notification: 15 October 2015
- Camera-ready: 30 October 2015

### HEALTH TECHNOLOGY

- Biomedical Engineering and Applications
- Information Technology in Biomedicine
- Medical Imaging Processing
- fMRI-Based Neuro-Computing
- Biomedical Sensors, Transducers, and BioMEMS
- Biomedical Circuits and Systems
- Intelligent Health Instrumentation
- Rehabilitation Technology
- Telehealth and Telecare
- Assistive Technology and Senior Companion Robot
- Smart Living for Elderly and Children Care
- Body-Mind Fitness Care

### WARMING CARE TECHNOLOGY

- Information Technology in Health and Mental Care
- Friendly and Affordable Human-Machine Interface fo Senior and Children Care
- Cloud Health and Mental Care Services

### CONTACT INFORMATION

Website: [icot2015.comp.polyu.edu.hk](http://icot2015.comp.polyu.edu.hk)  
Email: [icot2015@comp.polyu.edu.hk](mailto:icot2015@comp.polyu.edu.hk)

### 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-Signal system Design for Happiness Promotion
- Theory and Measurement of Gross National Happiness (GNH) Index
- Cultural Difference and Cross National Comparison in GNH
- National Policy Making and Strategies for Enhancing GNH

### PAPER SUBMISSION AND PUBLICATION

Prospective authors are invited to submit full-length, four-page papers, including figures and references, in IEEE two-column format ([www.ieee.org/conferences\\_events/conferences/publishing/templates.html](http://www.ieee.org/conferences_events/conferences/publishing/templates.html)). All ICOT papers will be handled and reviewed electronically. The ICOT2015 website ([icot2015.comp.polyu.edu.hk](http://icot2015.comp.polyu.edu.hk)) will provide you with further details. All the accepted papers will be indexed by EI and IEEE explore.

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