

#### **Honorary Chairs**

Mazin Yousif, T-Systems, International, USA Albert Zomaya, The University of Sydney, Australia

#### **General Chairs**

Qun Jin, Waseda University, Japan Hui-Huang Hsu, Tamkang University, Taiwan Miroslaw Malek, University of Lugano, Switzerland

#### **General Executive Chairs**

Kevin Wang, The University of Auckland, New Zealand Yang Xiang, Deakin University, Australia

#### **Program Chairs**

Yufeng Wang, Nanjing Univ. of Posts Telecomm., China Boon-Chong Seet, Auckland Univ. of Tech., New Zealand Neil Y. Yen, University of Aizu, Japan Richard Tzong-Han Tsai, National Central Univ., Taiwan

## **Workshop Chairs**

Weimin Li, Shanghai University, China Ivan Ruchkin, Carnegie Mellon University, USA

#### Tutorial/Panel Chair

Carson Leung, University of Manitoba, Canada

#### **Forum Chair**

Ka Lok Man, Xi'an Jiaotong-Liverpool University, China

### Special Session Chairs

Qingyong Li, Beijing Jiaotong University, China William Liu, Auckland Univ. of Tech., New Zealand

### **Demo/Poster Chair**

Chun-Hao Chen, Tamkang University, Taiwan

Yufeng Wang, Nanjing Univ. of Posts Telecomm., China Xiaokang Zhou, Waseda University, Japan

# **International Liaison Chairs**

Kun Yang, University of Essex, UK

Maiga Chang, Athabasca University, Canada Raymond Choo, University of South Australia, Australia Neeraj Kumar, Thapar University, India Bofeng Zhang, Shanghai University, China Feng Xia, Dalian University of Technology, China Bernady O. Apduhan, Kyushu Sangyo University, Japan Caiming Zhang, Shandong University, China

### **Publicity Chairs**

Seng Yue Wong, Taylor's University, Malaysia Guangquan Xu, Tianjin University, China Gabor Kiss, Obuda University, Hungary Rui Teng, NICT, Japan Hong Chen, Waseda University, Japan

Seungmin Rho, Sungkyul University, Republic of Korea Mahmoud Elkhodr, Univ. of Western Sydney, Australia Nikolai Kazantsev, Higher School of Economics, Russia

# **Steering Committee**

Jianhua Ma (Chair), Hosei University, Japan Laurence T. Yang, St. Francis Xavier University, Canada Huansheng Ning, Univ. of Sci. and Tech. Beijing, China

# **Program Committee**

See http://cyberscitech.net/2016/

### **Contact Email**

cyberscitech2016@gmail.com

We have been able to digitize almost everything. Besides, whatever we digitize, we can certainly integrate and analyze. That also enabled the emergence of a new paradigm on global information networks and infrastructures known as Cyberspace, which has emerged as the new frontier that seamlessly brings together physical, social and mental spaces. Cyberspace is evolving to become an integral component of our daily life bringing together work and private life; learning and entertainment, and business and cultural activities. As expected, this whole concept of cyberspace brings new challenges that need to be tackled.

To address these continuously emerging challenges, there is a need to establish new sciences and research portfolios that incorporates cyber-physical, cyber-social and cyber-mental together in a coherent manner to deliver the vision of Cyberspace. This is the aim of the 2016 IEEE Cyber Science and Technology Congress (CyberSciTech 2016) to offer a common platform for scientists, researchers and engineers to exchange their latest ideas and outcomes in research, technology and science. It is also a venue to exchange the latest advances in cyberspace studies with the broad scope of cyber-related sciences, technologies and applications topics.

The CyberSciTech 2016 Congress will be held jointly with the 14th IEEE Int'l Conf. on Dependable, Autonomic and Secure Computing (DASC 2016); the 14th IEEE Int'l Conf. on Pervasive Intelligence and Computing (PICom 2016); and the 2nd IEEE Int'l Conf. on Big Data Intelligence and Computing (DataCom

CyberSciTech 2016 covers four main research tracks including but not limited the following areas or topics. **Track 1: Cyber Science and Fundamentals** 

Cyberspace Structure & Property, Cyber-world Constituents & Evolution, Cyberspace & Cyber-world Modeling, Cyber-enabled Hyper-connection, Cyber Visualization, Web Science, Internet Science, Data Science, Cyber Physical Science, Cyber Social Science, Cyber Human Science, Cyber Life Science, Cyber Physics, Cyber Biology, Cyber Ecology, Cyber Dynamics, Cyber Security

# Track 2: Cyber Physical Computing and Systems

Cyber-Physical Systems, Cyber-Physical Interface, Cyber-Physical Hybrid Intelligence, Ambient Intelligence, Intelligent Transportation Systems, Networked Robots, Virtual Reality, Augmented Reality, Wearable/Bearable Computing, Cyborg, Internet of Things (IoT), Smart Object, Smart Sensor, Smart Environment, Smart City, Smart Agriculture, Smart Manufacture, Smart Healthcare, Smart Service, Smart Cloud, Smart World

# Track 3: Cyber Social Networks and Computing

Cyber-Social Networks, Cyber-Sociology, Cyber-Culture, Cyber-Economy, Cyber-Social Evolution, Cyber-Social Sensing, Cyber-Social Simulation, Cyber-Behavior Analytics, Cyber-Crowdsourcing, Cyber-Trust, Cyber-Privacy, Cyber-Rights, Cyber-Crime, Cyber-Law, Cyber-Telepathy, Anticipatory Computing

## Track 4: Cyber Mind and Mental Computing

Cyber-Brain, Cyber-Individual, Cyber-Life, Cyber/Digital Clone, Cyber-Human Cyber-Psychology, Cyber-Cognition, Cyber-Affordance, Cyber-Human Analytics, Cyber-based Learning,

# **Important Dates**

Tutorial/Workshop/Special Session Proposal Due: March 15, 2016 Main Track Paper Due: **April 30 2016** (*extended*) May 13, 2016 (extended) Workshop Paper Due: Special Session Paper Due: May 13, 2016 (extended) **Demo/Poster Due:** May 13, 2016 (extended) **Author Notification:** May 23, 2016 Camera-Ready Manuscript/Registration Due: June 6, 2016

# **Submission and Publication**

Authors are invited to submit their original research work that has not previously been submitted or published in any other venue. Submitted papers need to abide by IEEE Computer Society formats. Final papers must be formatted accordingly (see "IEEE Manuscript Templates").

Main track papers will be submitted to the CyberSciTech 2016 system at the congress web site. A main track paper needs to be in IEEE CS format and should be 8 pages.

Proposals for organizing tutorials, workshops and special sessions need to be submitted to the Tutorials, Workshops and Special Sessions Chairs, respectively. A proposal should include title, theme, scope and main presenters/organizers.

Workshop and Special Session papers need to be submitted to the corresponding workshops and special sessions. A workshop or special session paper needs to be in IEEE CS format and 6 pages.

Demo/Poster proposals/papers need to be submitted to the Demo/Poster Chair. Submissions need to be in IEEE CS format and should be between 2-4 pages. They should also include any Audio/Video requirements, if any. The congress will award best demos.

All accepted papers in the main tracks, workshops, special sessions and demos/posters will be published in an IEEE Computer Society proceedings (EI indexed). Extended versions of selected excellent papers will be considered for publication in special issues of prestige journals (including seven SCI/E indexed journals and two IEEE Transactions).