

Organizing Committee

Honorary Chair

Norio Shiratori, Chuo University, Japan

General Chairs

Bernady O. Apduhan, *Kyushu Sangyo Univ., Japan* Kouichi Sakurai, *Kyushu University, Japan* Kevin I-Kai Wang, *The University of Auckland, NZ*

General Executive Chairs

Fuhua (Oscar) Lin, *Athabasca University, Canada* Keiichi Iwamura, *Tokyo University of Science, Japan*

Program Chairs

Henry Leung, *The University of Calgary, Canada* Kim-Kwang Raymond Choo, *U Texas San Antonio, USA* Kenichii Kourai, *Kyushu Institute of Technology, Japan*

Program Co-Chairs

Katina Kralevska, *Norwegian U of Sci. & Tech., Norway* Toshihiro Yamuchi, *Okayama University, Japan* Yuji Suga, *Internet Initiative Japan, Japan* Celimuge Wu, *Univ. of Electro-Communications, Japan* Weimin Li, *Shanghai University, China* Ali Akber Dewan, *Athabasca University, Canada* Klimis Ntalianis, *University of West Attica, Greece* Xiaokang Zhou, *Shiga University, Japan*

Workshop & Special Session Chairs

Wasim Ahmad, *University of Glasgow, UK* Young-Hoon Park, *Sookmyung Women's Univ., Korea* Zhou Su, *Shanghai University, China*

International Liaison & Publicity Chairs

Masato Oguchi, Ochanomizu University, Japan Lai Tu, Huazhong U of Science and Technology, China Yier Jin, The University of Florida, USA

Steering Committee

Jianhua Ma (Chair), Hosei University, Japan Hui-Huang Hsu, Tamkang University, Taiwan Qun Jin, Waseda University, Japan Jun Wang, University of Central Florida, USA Laurence T. Yang, St. Francis Xavier Univ., Canada Stephen S. Yau, Arizona State University, USA Mazin Yousif, T-Systems International, USA Albert Zomaya, The University of Sydney, Australia

IMPORTANT DATES

Workshop/SS Proposal Due: Jan. 20, 2019
Regular Paper Submission Due: Mar. 20, 2019
Wksp/SS/Poster Paper Due: April 20, 2019
Authors Notification: May 25, 2019
Camera-ready Submission: June 20, 2019

Sponsored by





Supported by





TCSC .

ΦIEEE

Cyber Science for Cyber-enabled New Worlds

Cyberspace, the seamless integration of physical, social, and mental spaces, is an integral part of our society, ranging from learning and entertainment to business and cultural activities, and so on. There are, however, a number of pressing challenges such as safety and trust associated with the cyberspace. For example, how do we strike a balance between the need for strong cybersecurity and preserving the privacy of ordinary citizens?

To address these challenges, there is a need to establish new science and research portfolios that incorporate cyber-physical, cyber-social, cyber-intelligent, and cyber-life technologies in a cohesive and efficient manner. This is the aim of the IEEE Cyber Science and Technology Congress (CyberSciTech). IEEE CyberSciTech has been successfully held in Auckland, New Zealand, in 2016, in Orlando, USA, in 2017 and in Athens, Greece, in 2018.

In 2019, we will continue to offer IEEE CyberSciTech with the aim of providing a common platform for scientists, researchers, and engineers to share their latest ideas and advances in the broad scope of cyber-related science, technology, and application topics. In addition, this is also a platform to allow relevant stakeholders to get together, discuss and identify ongoing and emerging challenges, in order to understand and shape new cyber-enabled worlds.

IEEE CyberSciTech 2019 Tracks and Topics

Track 1: Cyberspace Theory & Technology

- ♦ Cyberspace Structure, Property & Ecology
- ♦ SDN/SDS, 5G/6G & Emerging Networks
- ♦ Vehicular Network & Communication
- ♦ Cloud, Fog, Edge & Green Computing
- ♦ Big Data Analytics, Technology & Service
- ♦ Infrastructures for Smart City/Country

Track 3: Cyber Physical Computing & Systems

- ♦ Cyber Physical System and Interface
- ♦ Cyber Physical Dynamics & Resilience
- ♦ Cyber Manufacturing & Control
- \diamond Embedded System & Software
- ♦ Autonomous Robots & Vehicles
- ♦ Internet of Things (IoT) & Smart Systems

Track 5: Cyber Intelligence & Cognitive Science

- ♦ Cyber/Digital Brain & Artificial Intelligence
- ♦ Hybrid & Hyper-connected Intelligence
- ♦ Affective/Mind Cognition & Computing
- ♦ Brain/Mind Machine Interface
- ♦ Intelligent Multimedia Technology
- ♦ Intelligent Object, Environment & Service

Track 2: Cyber Security, Privacy & Trust

- ♦ Cyber Crime and Forensics

- ♦ Blockchain Techniques and Applications
- ♦ Distributed Ledger Technology

Track 4: Cyber Social Computing & Networks

- ♦ Social Networking & Computing
- ♦ Computational Social Science
- Crowd Sourcing, Sensing & Computing

- ♦ Cyber Learning, Economics & Politics

Track 6: Cyber Life & Wellbeing

- Cyber Life & Human Centric Computing
- ♦ Cyborg/Wearable/Implantable Technology
- → Human/Animal Behavior Recognition
- ♦ Personal Big Data & Personality Computing
- ♦ Virtual, Augmented & Mixed Reality

CyberSciTech 2019 Submissions and Publications

IEEE CyberSciTech 2019 calls for original papers, posters, as well as workshop and special session proposals, which focus on specific subjects related to cyber science and technology. All accepted conference, workshop, special session, and poster papers will be published by IEEE in Conference Proceedings (IEEE-DL and EI indexed). Selected high quality papers will be recommended to prestige journal special issues.

Three Co-located IEEE International Conferences

- ◆ The 17th IEEE Int'l Conf. on Dependable, Autonomic & Secure Computing (DASC 2019)
- ◆ The 17th IEEE Int'l Conf. on Pervasive Intelligence and Computing (PICom 2019)
- The 5th IEEE Int'l Conf. on Cloud and Big Data Computing (CBDCom 2019)