

## Organizing Committee

### Honorary Chairs

Kouichi Sakurai, Kyushu University, Japan  
Zhiwen Yu, Harbin Engineering University, China  
Stephen S. Yau, Arizona State University, USA

### General Chairs

Bernady O. Apduhan, Kyushu Sangyo University, Japan  
Kuan-Ching Li, Providence University, Taiwan

### General Executive Chairs

Xiaokang Zhou, Shiga University, Japan  
Moayad Aloqaily, Mohamad Bin Zayed University, UAE  
Kanghyun Jo, University of Ulsan, Korea

### Program Chairs

Celimuge Wu, The Univ. of Electro-Comm., Japan  
Gautam Srivastava, Brandon University, Canada  
Klimis Ntalianis, Univ. of West Attica, Greece

### Program Co-Chairs

Yuji Suga, Internet Initiative Japan, Japan  
Francesco Pupo, University of Calabria, Italy  
Yan Huang, Kennesaw State University, USA  
Weimin Li, Shanghai University, China  
Xiaokun Zhang, Athabasca University, Canada  
Zhi Liu, The Univ. of Electro-Comm., Japan  
Dongsik Jo, University of Ulsan, Korea

### Workshop & Special Session Chairs

Amjad Gawanmeh, University of Dubai, UAE  
Pan Wang, Univ. of Posts & Telecomm., China

### Special Issue Chair

Ke Yan, National University of Singapore, Singapore

### International Liaison & Publicity Chairs

Xiaohua Feng, University of Bedfordshire, UK  
Hongxin Yan, Athabasca University, Canada  
Lai Tu, Huazhong University of Sci. & Tech., China  
Hong Chen, Daiichi Institute of Technology, Japan  
Daehwan Kim, University of Ulsan, Korea  
Safa Otoum, Zayed University, UAE

### Publication Chair

Ao Guo, Nagoya University, Japan

### Steering Committee

Jianhua Ma (Chair), Hosei University, Japan  
Hui-Huang Hsu, Tamkang University, Taiwan  
Qun Jin, Waseda University, Japan  
Laurence T. Yang, St. Francis Xavier University, Canada  
Jun Wang, University of Central Florida, USA  
Stephen S. Yau, Arizona State University, USA  
Mazin Yousif, T-Systems International, USA  
Albert Zomaya, The University of Sydney, Australia  
Kevin I-Kai Wang, The Univ. of Auckland, New Zealand  
Bernady O. Apduhan, Kyushu Sangyo Univ., Japan  
Oscar Lin, Athabasca University, Canada  
Giancarlo Fortino, University of Calabria, Italy  
Moayad Aloqaily, MBZUAI, UAE  
Frank Hsu, Fordham University, USA  
Jinhua She, Tokyo University of Technology, Japan

### Advisory Committee

Baoming Bai, Xidian University, China  
Julien Bourgeois, UBFC/FEMTO-ST INST/CNRS, France  
Raymond Choo, The Univ. of Texas at San Antonio, USA  
Zhong Chen, Peking University, China  
Tadashi Dohi, Hiroshima University, Japan  
Song Guo, Hong Kong Polytechnic University, Hong Kong  
Seungcheon Kim, Hansung University, Korea  
Keiichi Iwamura, The Tokyo University of Science, Japan  
Jianwei Liu, Beihang University, China  
Zhen Liu, Nagasaki Institute of Applied Science, Japan  
Huansheng Ning, Univ. of Sci. and Tech. Beijing, China  
Yi Pan, Georgia State University, USA  
Kouichi Sakurai, Kyushu University, Japan  
Zhou Su, Xi'an Jiaotong University, China  
Zhixin Sun, Minjiang University, China  
Nicolas Tsapatsoulis, Cyprus Univ. of Tech, Cyprus  
Feng Xia, RMIT University, Australia  
Jianwei Yin, Zhejiang University, China  
Yanchun Zhang, Victoria University, Australia  
Qiangfu Zhao, The University of Aizu, Japan  
Qinggou Zhou, Lanzhou University, China

### IMPORTANT DATES

**Workshop/SS Proposal Due:** Apr. 15, 2024  
**Regular Paper Submission Due:** Jun. 15, 2024  
**WiP/Workshop/SS Paper Due:** Jul. 15, 2024  
**Authors Notification:** Aug. 15, 2024  
**Camera-ready Submission:** Sep. 15, 2024

# CyberSciTech 2024

## The 9<sup>th</sup> IEEE Cyber Science and Technology Congress

November 5-8, Boracay Island, Malay, Philippines

<http://cyber-science.org/2024/cyberseitech/>

### Transforming the Future by Disruptive Cyber Technologies

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, in Athens, Greece, in 2018, in Fukuoka, Japan, in 2019, in Calgary, Canada, in 2020 and 2021 (online due to COVID-19), in Calabria, Italy, in 2022, and in Abu Dhabi, UAE, in 2023.

In 2024, 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 2024 Tracks and Topics

#### Track 1: Cyberspace Theory & Technology

- ✧ Cyberspace Property, Structure & Models
- ✧ Cyber Pattern, Evolution, Ecology & Science
- ✧ SDN/SDS, 5G/6G, Vehicle & Novel Network
- ✧ Cloud, Fog, Edge & Green Computing
- ✧ Big Data Analytics, Technology & Service
- ✧ Infrastructures for Smart City/Country

#### Track 2: Cyber Security, Privacy & Trust

- ✧ Cyber Security, Safety & Resilience
- ✧ Cyber Crime, Fraud, Abuse & Forensics
- ✧ Cyber Attack, Terrorism, Warfare & Defense
- ✧ Cyber Privacy, Trust & Insurance
- ✧ Blockchain, DLT Techniques & Applications
- ✧ Post-quantum Cryptography

#### Track 3: Cyber Physical Computing & Systems

- ✧ Cyber Physical Systems & Interfaces
- ✧ Cyber Physical Dynamics & Disaster Relief
- ✧ Cyber Manufacturing & Control
- ✧ Embedded Systems & Software
- ✧ Autonomous Robots & Vehicles
- ✧ IoT, Digital Twin & Smart Systems

#### Track 4: Cyber Social Computing & Networks

- ✧ Social Networking & Computing
- ✧ Computational Social Science
- ✧ Crowd Sourcing, Sensing & Computing
- ✧ Cyber Culture, Relation, Creation & Art
- ✧ Cyber Social Right, Policy, Laws & Ethics
- ✧ Cyber Learning, Economics & Politics

#### 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 6: Cyber Life & Wellbeing

- ✧ Cyber Life & Human Centric Computing
- ✧ Cyber Medicine, Healthcare & Psychology
- ✧ Cyborg/Wearable/Implantable Technology
- ✧ Human/Animal Behavior Recognition
- ✧ Personal Big Data & Personality Computing
- ✧ Augmented/Mixed Reality & Metaverse

### CyberSciTech 2024 Submissions and Publications

IEEE CyberSciTech 2024 calls for original papers, together with workshop and special session (SS) proposals, which focus on specific subjects related to cyber science and technology.

All accepted regular and work-in-progress (WiP) papers as well as workshop and SS papers will be published by IEEE in the 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 22nd IEEE Int'l Conf. on Dependable, Autonomic & Secure Computing (**DASC 2024**)
- ◆ The 22nd IEEE Int'l Conf. on Pervasive Intelligence and Computing (**PICom 2024**)
- ◆ The 10th IEEE Int'l Conf. on Cloud and Big Data Computing (**CBDDCom 2024**)

Sponsored  
by



Hosted  
by



Supported  
by



Seal of Excellence