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# International Advisory Committee (alphabetical)

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At the same time, the increasing scale and complexity of systems call for the autonomic computing paradigm, which meets the requirements of self-management, and autonomous systems. Trusted and autonomic computing/autonomous systems need synergistic research efforts covering many disciplines, ranging from natural sciences to social sciences. It requires scientific and technological advances in a wide variety of fields, as well as new software, architectures, and communication technology that support the integration of the constituent technologies.

**IEEE DASC 2021** will be held in August 23-26, 2021, co-located with IEEE **CyberSciTech 2021**, IEEE **PICom 2021**, and IEEE **CBDCom 2021**. It aims to bring together computer scientists, industrial engineers, and researchers to discuss and exchange theoretical and implementation results, novel designs, work-in-progress, experience, case studies, and trend-setting ideas in the areas of dependability, security, trust and/or autonomic computing, and autonomous systems. Topics of interests include the following tracks, but are not limited to:

### Track 1. Dependable and Fault-tolerant Computing

- Fundamentals, including Dependability Evaluation, Dependable Sensors, QoS, SOA, etc.
- Dependable & Fault-tolerant Computing in Big Data, CPS, IoT, SDN, and Real-time System
- Dependability & Fault-tolerance in Cloud/Fog/Edge Computing, and Pervasive Computing
- Human Aspects, and Education
- Software Engineering in Dependable and Fault-tolerant Computing
- Artificial Intelligence Techniques in Dependable and Fault-tolerant Computing
- Hardware and Software Reliability, Verification and Testing
- Safety-critical Systems, Mission-critical Systems

## Track 2. Network and System Security and Privacy

- $\bullet \quad \text{Fundamentals, including Intrusion-Detection, Digital Forensics, (Counter-) Surveillance, etc.}\\$
- Security and Privacy in Big Data, CPS, IoT, SDN, and Real-time Systems
- Security and Privacy in Cloud/Fog/Edge Computing, Mobile and Pervasive Computing
- Artificial Intelligence Techniques in Network and System Security and Privacy
- Human Aspects, and Education
- Cyber Attack, Crime and Cyber War
- Biometric Issues in Security and Privacy

## Track 3. Autonomic Computing and Autonomous Systems

- Fundamentals, including Agents, Real-Time Perception, Decision, Control, Self-healing, etc.
- Autonomic and Autonomous Issues in Big Data, CPS, IoT, SDN, and Real-time Systems
- Autonomic and Autonomous Issues in Cloud/Fog/Edge Computing, Pervasive Computing
- Self-Organization and Organic Computing
- Cognitive Computing and Self-Aware Computing
- Energy Management in Autonomic Computing and Autonomous Systems
- Artificial Intelligence Techniques in Autonomic Computing and Autonomous Systems
- Human Aspects, and Education

# Track 4. Industrial Applications and Emerging Techniques

- Software/Apps/Tools Development for Dependable and Secure Applications
- Autonomous Robotics, Vehicles, Machines, and Various Systems
- IoT and Sensor Network, Big Data, Smart Grid, Aerospace, Transportation Applications
- Safety Care, Medical Care and Services, IoT-based Healthcare
- Social Aspects of Applying Systems
- Other Applications and Emerging Techniques

# **SUBMISSION & PUBLICATION**

Authors are invited to submit their original research work using IEEE CS Proceedings format via DASC 2021 website: <a href="http://cyber-science.org/2021/dasc/">http://cyber-science.org/2021/dasc/</a>

Regular paper (8 pages), Work-in Progress (WiP) paper (4~6 pages), Demo/Poster paper (2~4 pages), Workshop & Special Session paper (6 pages) are solicited. Detailed instructions are on the website.

- Accepted papers will be included into the proceedings published by IEEE CPS (EI indexed).
- At least one author of any accepted paper is required to register and present the paper at the conference.
- Extended versions of selected papers will be considered for fast-track publication in some prestige journals (SCI/EI indexed).

## **IMPORTANT DATES**

Workshop/SS Proposal Due: Feb 28, 2021
Abstract Submission Due: April 15, 2021
Full Paper Submission Due: May 01, 2021
Demo/Poster/WiP Paper Due: May 20, 2021
Authors Notification: June 01, 2021
Camera-ready Submission: June 20, 2021









