2024 IEEE Conference on Dependable, Autonomic and Secure Computing (DASC) | 979-8-3315-2272-8/24/$31.00 ©2024 IEEE | DOI: 10.1109/DASC64200.2024.00005

Message from DASC 2024
General Chairs, General Executive Chairs and Program Chairs

As computer and communication systems, along with other systems like Cyber-Physical Systems (CPS), the Internet of Things (IoT), and Autonomous Robotic Systems, continue to grow in size and complexity, their dependability and security become crucial for enabling next-generation scientific, engineering, and commercial applications. Designing, analyzing, evaluating, and enhancing the dependability and security of large-scale computing environments remains a significant challenge. Achieving trusted and autonomous computing systems demands collaborative research across various disciplines, from natural to social sciences. This requires advancements in numerous fields, alongside the development of new software, architectures, and communication technologies to integrate these diverse technologies effectively. The overall goal of the DASC 2024 conference is to address the broad challenges in various topics that are closely related to dependable, autonomic and secure computing. Therefore, it is our great honor and pleasure to welcome all our participants to the 22nd IEEE International Conference on Dependable, Autonomic and Secure Computing (DASC 2024), which will be held in the beautiful Boracay Island, Malay, Philippines during November 5-8, 2024. DASC 2024 is sponsored by the IEEE Computer Society, supported by IEEE Technical Committee on Cybermatics, IEEE Technical Committee on Smart World, IEEE Technical Committee on Scalable Computing, and IEEE Technical Committee on Hyper Intelligence, and hosted by Mindanao State University - Iligan Institute of Technology (MSU-IIT), Philippines. It is co-located with the 9th IEEE Cyber Science and Technology Congress (CyberSciTech 2024), the 22nd IEEE International Conference on Pervasive Intelligence and Computing (PICom 2024), and the 10th IEEE International Conference on Cloud and Big Data Computing (CBDCom 2024).

To tackle the broad scope and emerging challenges of dependable, autonomic and secure computing, DASC 2024 offers five technical tracks on the topics of

- Track 1: Dependable and Fault-tolerant Computing
- Track 2: Network and System Security and Privacy
- Track 3: Autonomic Computing and Autonomous Systems
- Track 4: Industrial Applications and Emerging Techniques
- Track 5: Autonomic and Secure Computing with AI/ML

In addition, the following two workshops on the topics of

1. The 8th International Workshop on Emerging Dependable Computing System Technologies and Applications (EDCSTA 2024)
2. The 22nd International Workshop on Assurance in Distributed Systems and Networks (ADSN 2024)

are jointly organized.

Overall, DASC 2024 attracted high-quality submissions from various regions worldwide, encompassing a broad spectrum of topics. Finally, a total of eight high quality regular papers and one Work-in-Progress paper were accepted for presentation and publication in the conference proceedings. Besides the main tracks, another ten papers are accepted in the two co-located workshops.

We would like to take this chance to thank the entire Steering Committee, especially Jianhua Ma (Chair) and Laurence Yang for their guidance. Special thanks go to Ao Guo and Xiaokang Zhou for their very important contribution to the conference organization

It is our great pleasure to find and assemble a great organizing committee, which is the key to a successful event. We want to thank MSU-IIT, especially Earl Ryan M. Aleluya, Cherry Mae G. Villame, Liezil E. Daberao, and Orven E. Llantos for their hard work. We would also like to express our gratitude to the Program Co-Chairs, Mohamed Rahouti, Wei Wang, Adnan Anwar, Shan Jiang, Changqing Luo, and Lei Chen for their valuable contributions.

We thank workshop and special session chairs Preeti Mishra and Arafatur Rahman in inviting and organizing many great and topical workshops and special sessions to enrich the coverage of our Congress. A successful event always relies on a great publicity team and special thanks must go to Mubashir Rehmani, Junjun Zheng, Qin Liu, Senthil Kumar, Dhomas Hatta Fudholi, and Yuhong Liu.

Of course, we want to express our sincere gratitude to all authors, participants, PC members, and many others who greatly contributed to DASC 2024 in many ways.

The event will be held on the beautiful Boracay Island in Malay, Philippines. We are thrilled to welcome our global community and showcase the outstanding papers and presentations from our colleagues around the world. We hope this conference provides valuable insights and inspiration, encouraging meaningful discussions and collaborations. We look forward to your participation and wish you an enjoyable and fruitful experience at DASC 2024.

Zakirul Alam Bhuiyan and Kenichi Kourai
General Chairs of DASC 2024

Moayad Aloqaily and Bernady O. Apduhan
General Executive Chairs of DASC 2024

Wenjia Li and Aniello Castiglione
Program Chairs of DASC 2024