

Message from Dependability in Sensor, Cloud and Big Data System and Applications 2022 Program Chairs

It is our great pleasure to welcome you to DependSys 2022, the 8th IEEE International Conference on DependSys, held on December 18-21, 2022. For the IEEE DependSys 2022, the financial sponsors are IEEE and IEEE Computer Society, the technical sponsors are IEEE Technical Committee on Scalable Computing, Task Force on Cyber-Physical-Social Systems of IEEE Smart World Technical Committee. The organizers of IEEE DependSys 2022 are Sichuan University and Hainan University.

As we are deep into the Information Age, huge amounts of data are generated every day from sensors, individual archives, social networks, Internet of Things, enterprises and Internet in various scales and format which will pose a major challenge to the dependability of our designed systems. As these systems often tend to become inert, fragile, and vulnerable after a period of running. Effectively improving the dependability of sensor, cloud, big data systems and applications has become increasingly critical.

There are 5 regular research papers and 5 research papers, selected by the program committee from many submissions in response to the call for papers. This year, the acceptance rate of regular research papers is 20%. All submissions were reviewed by the program committee members. These high-quality submissions cover many hot research topics, anomaly detection for IoT, index system construction, deep learning in DependSys, to name a few.

First, we would like to thank all program committee members for their hard work in reviewing all submissions. Next, we would like to extend our special thanks to the HPCC General Chairs Limin Xiao (Beihang University, China), Asai Nobuyoshi (University of Aizu, Japan), and Valtteri Niemi (University of Helsinki, Finland) and the Steering Committee Chairs Guojun Wang (Guangzhou University, China) and Md Zakirul Alam Bhuiyan (Fordham University, USA) for their consistent leadership and guidance; we also would like to thank the Publicity Chairs Jihe Wang (Northwestern Polytechnical University, China), Junke Li (Qiannan Normal University for Nationalities, China) and Deguang Li (Luoyang Normal University, China) for their hard work in making DependSys 2022 a success. Furthermore, we would like to thank all the authors for submitting and presenting their exciting ideas and solutions at the conference and the IEEE Computer Society's Conference Publishing Services team for their dedicated services.

Nasrulloh Loka, Ghent University, Belgium

Xueqin Liang, Xidian University, China

Shengxin Dai, Sichuan University, China

Program Chairs of DependSys 2022