

Special Session on *Heterogeneous Computing and Edge Computing*

The Fifth International Conference on Computer Science and Application Engineering (CSAE 2021) includes a special session on *Heterogeneous Computing and Edge Computing*. Details can be found as follows.

Session Title: Heterogeneous Computing and Edge Computing

Aim and Scope: With the rapid development of AI and 5G, the traditional server architecture with CPU as the main computing power is gradually unable to meet people's needs. In this case, heterogeneous computing such as FPGA and GPU has gradually emerged. Meanwhile, Edge Computing has emerged as a new computing paradigm for performance enhancement and energy efficiency purposes. This session aim to focus on Heterogeneous Computing and Edge Computing. The submissions focus on but not limited to theory of Heterogeneous Computing and Edge Computing, algorithm of Heterogeneous Computing and Edge Computing, framework of Heterogeneous Computing and Edge Computing, edge intelligence and computing offloading.

Acknowledgements

This special session is organized by Prof. Hongwei Kan (State Key Laboratory of High-end Server & Storage Technology, Jinan, 250101, China) and Prof. Dongdong Su (State Key Laboratory of High-end Server & Storage Technology, Jinan, 250101, China).

Introduction to organizers

Prof. Hongwei Kan received his Master's degree in China University of Mining and Technology. He is the chief scientist of the State Key Laboratory of High-end Server & Storage Technology, member of the National Science and Technology Expert Database, adjunct professor of Beijing University of Posts and Telecommunications and China University of Mining and Technology, guest professor of State Grid. He has presided over 6 major international and domestic projects, 2 international standards and more than 50 papers and patents. At present, his main research directions are reconfigurable distributed heterogeneous acceleration platforms for artificial intelligence and data centers, and original basic research on artificial intelligence algorithm models and feature measurement.

Prof. Dongdong Su received his Master's degree in Harbin Engineering University. He is a researcher of the State Key Laboratory of High-end Server & Storage Technology, IEEE member. He has published more than 10 SCI and EI indexed papers, participated in a number of international standards and PCT international patents. Recent years, he has participated in a number of natural funds such as the Ministry of Science and Technology, Shanghai and Shandong Province. At present, His main research directions are Edge Intelligence and Heterogeneous Computing