Special Session on *Embedded Deep Learning Systems*

The Fifth International Conference on Computer Science and Application Engineering (CSAE 2021) is calling for papers for a special session on ***Embedded Deep Learning Systems*** Details can be found as follows.

Session Title: Embedded Deep Learning Systems.

Aim and Scope: Due to the rapid development of computer science & technology and deep neural networks (DNN), as well as embedded computer systems, such as smartphones, smartwatches, smart glasses, smart wearable devices and other smart equipment, the software and hardware of embedded systems has been changed. A great deal of new theories, new technologies, new algorithms, new models, new problems, and new business modes emerge, which requires embedded DNN (EDNN) in embedded systems. This session aims to focus on embedded deep learning systems. The submissions focus on but not limited to theory of EDNN, model of EDNN, algorithm of EDNN, architecture search and compression of EDNN, development framework of EDNN, training of EDNN, deployment of EDNN, hardware of EDNN, and application of EDNN.

Acknowledgements

This special session is organized by Prof. Honggui Li (College of Information Engineering, Yangzhou University, Yangzhou, 225000, China) and Prof. Dmitri Galayko (Information Institute (Lip6), Sorbonne University, Paris, 75003, France).

Introduction to organizers

Prof. Honggui Li received his B.S. degree in Electronic Science and Technology from Yangzhou University and his Ph.D. degree in Mechatronics Engineering from Nanjing University of Science and Technology. He is a senior member of the Chinese Institute of Electronics. He was a post-doctoral fellow and visiting scholar at Institut Supérieur d'Électronique de Paris for one year. He is an Associate Professor of Electronic Science and Technology and responsible for postgraduate program of Electronic Science and Technology at Yangzhou University. As a reviewer for some international journals, he is the author of more than 30 refereed journal and conference articles. He is TPC member and session chair of some international conferences. His current research interests include embedded computing, artificial intelligence, machine learning, deep learning, and computer vision.

Prof. Dimitri Galayko received the bachelor's degree from Odessa State Polytechnic University in Ukraine, the master's degree from the Institute of Applied Sciences of Lyon in France, and the Ph.D. degree from University Lille in France. He made his Ph.D. thesis in the Institute of Microelectronics and Nanotechnologies. His Ph.D. dissertation was on the design of micro-electromechanical silicon filters and resonators for radio-communications. He is an Associate Professor with the LIP6 research laboratory of Sorbonne University in France. His research interests include study, modelling, and design of nonlinear integrated circuits for sensor interface and for mixed-signal applications. His research interests also include embedded computing and deep learning.