

Message from the General Chair

ICCD 2020

On behalf of the entire Organizing Committee, I welcome you to the 38th IEEE International Conference on Computer Design (ICCD'20), hosted for the first time as a virtual event. While we will miss the attractions and social events offered by the original site, Hartford, Connecticut, the birthplace of Mark Twain and a home of famous Connecticut Science Center, the conference offers a rich and rewarding technical program. Jointly sponsored by the IEEE Computer Society and the IEEE Circuit and Systems Society, ICCD is a premier forum that explores a wide range of topics in electrical engineering, computer engineering and computer science.

We are delighted to have a distinguished keynote speaker, Vivienne Sze, Associate Professor of Electrical Engineering and Computer Science at MIT, give a talk on How to Evaluate Efficient Deep Neural Network Approaches. There are two tutorial sessions, offered by two teams from Xilinx on Sunday, October 18th . One introduces the Xilinx Vitis development environment for HPC applications, and offers demonstration and hands-on experience; the other describes an open source scalable AI accelerator framework, XTA. Three special sessions, offered the same day cover: Reliable Quantum Computing using Noisy Intermediate-Scale Quantum Systems; Revisiting Adiabatic Circuits in the Era of Energy-Efficiency and Security; and Secure and Trustworthy Bottom-Up Design Methods for Industrial Internet-of-Things in Cyber-Physical Systems. Eighteen regular sessions cover research and design of computer systems, processor architecture, EDA, logic and circuit design, test, verification and security. One of the Monday sessions is dedicated to papers nominated for Best Paper Award, with the winner to be announced during the closing ceremony.

We hope that you will be able to join us for this exciting event and that you will find it rewarding. We are grateful to our IEEE sponsors, supporters, and volunteers to make this year's conference a success.

Looking forward to see you at the conference,

Maciej Ciesielski
ICCD 2020 General Chair