GENERAL CHAIR'S MESSAGE

Zhou Li
General Chair. 57th DAC

Dear Colleagues,

Welcome to the 57th Design Automation Conference, the first Virtual DAC.

For every great show, there is a great team behind it. The DAC Executive Committee consists of an amazing team of experts from the industry and academia, as well as MP Associates, Hall Erickson, and the DAC sponsor representatives from IEEE and ACM, along with the hundreds of volunteers who put the conference together. They collaborated in presenting you an excellent program with top quality research papers and Designer/IP/Embedded track presentations, great keynotes, SKY talks and invited talks, exciting panels, insightful tutorials, late breaking research outcome, work in progress update, and hundreds of posters from design practitioners, Ph.D. students, and young DAC fellows.

DAC 2020 sees a very healthy growth in all areas. On the research side, we have an impressive 20.7% increase in submissions compared to 2019. Out of 984 submitted research papers, 228 were accepted. The submissions in AI/ML architecture and systems category increased by an impressive 210%, but more importantly, we see healthy increased submissions across all areas - design, embedded systems and software, autonomous systems, IP, security as well as our foundation, traditional EDA. On the Designer/IP/Embedded track, we also received a record high number of submissions.

Over the last 57 years, DAC has grown from a small workshop with technical sessions to adding design, IP and now embedded tracks and an industry tradeshow where exhibitors have become a big part of the program. DAC has also grown from a conference with just a laser focus on EDA, to a conference that covers the whole eco system with topics like design, machine learning/AI, IP, embedded systems and software, security, autonomous systems, 5G and cloud. DAC is a unique event that brings together the entire design and design automation ecosystem from academic and industrial researchers to designers, developers, vendors, and educators. Going forward, I see great momentum for DAC to grow for another 50 years.

I hope you all enjoy Virtual DAC this week. Attend a presentation on a topic you don't know. Visit the virtual booths. Interact with live text chats or leave a message for the speakers to answer any questions or simply to introduce yourself. Attend our virtual happy hours and networking events and connect with old friends or make some new ones, even in the virtual setting.

We are going through a special time in history due to the COVID-19 pandemic. It is more important than ever to work as one big global community among the chip and EDA community, communications community, ML/AI community, security community, autonomous system community, etc. By working together, collaborating, sharing and exchanging ideas, great new ideas will come and all of us can contribute to our global society in a bigger way.

Please keep yourself and your family safe. Enjoy the #57thDAC!

Sincerely,
Zhuo Li