Call for Papers

24th International Symposium on Design and Diagnostics of Electronic Circuits and Systems

The International Symposium on Design and Diagnostics of Electronic Circuits and Systems (DDECS'2021) provides a forum for exchanging ideas, discussing research results, and presenting practical applications in the areas of design, test, and diagnosis of microelectronic digital, analog, and mixed-signal circuits and systems. The topics include the following but are not limited to:

- Emerging Technologies
- Wireless Communication Systems
- Embedded Systems
- Dependable Systems
- Embedded Hardware for AI
- Approximate Computing
- Formal Methods in System Design
- Hardware/Software Co-Design
- IP-Based Design
- ASIC/FPGA Design
- Internet-of-Things Design and Test
- SoC and NoC Design and Test
- Digital Circuits Design and Test
- RF, Analog, and Mixed-Signal Circuits Design and Test
- Memory Design and Test
- MEMS Design and Test
- On-Line Testing
- Built-in Self-Test and Self-Repair
- Design for Testability and Diagnosis
- Defect/Fault Tolerance and Reliability
- Design and Test in Nano-Technologies
- ATE Hardware and Software
- Physical Failure Analysis
- Debug and Diagnosis
- Hardware Security and Trust
- Flexible and Printed Electronics
- Automotive Electronics
- Medical Electronics
- AI in Design and Test of Circuits
- Stretchable and Textile Electronics
- Sensors and Transducers
- Integrated Passive Components
- Microfluidic Electronic Devices

Important Dates

- Abstract Registration: January 11
- Paper Submission: January 18
- Notification of Acceptance: March 21

General Chair

Muhammed Shafique
NYU Abu Dhabi
UAE

General Vice Chairs

Andreas Steininger
TU Wien
Austria

Goran Stojanović
University of Novi Sad
Serbia

Conference Venue

DDECS'2021 will take place in Vienna – the capital and the undisputed cultural center of Austria. Vienna’s history dates back to the ancient Roman Empire, and even today the city’s character is still visibly influenced from its time as the residence of the emperors of the Austrian-Hungarian monarchy. Naturally, Vienna has turned into a modern and lively metropolis while retaining the charm of its “past days” that is appreciated not only by many tourists, but also by its inhabitants who are known to be jovial and hospitable people. With respect to quality of living, Vienna is among the top cities worldwide. Thanks to its convenient location in the heart of Europe, Vienna is definitely a center for international politics, business, and culture.

*** Unfortunately the current situation requires that the conference will be an online only event ***

Paper Format and Submission

Prospective authors are cordially invited to submit original papers using the electronic submission system at the Symposium web page. Papers in English with a length of 6 pages maximum in the IEEE conference style are expected. Specialized student and industrial sessions, as well as embedded tutorials, will be organized. Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore’s scope and quality requirements.

http://ddecs2021.wien