

# DCAS 2022

15<sup>th</sup> IEEE Dallas Circuits and Systems Conference

DCAS 2022  
Virtual and On-Site

June 17–19, 2022 // Dallas, Texas, United States

## CALL FOR PAPERS

After considering the recent safety announcements, guidance, and news released by relevant national departments, the Organizing Committee has decided that the 15th IEEE DCAS conference will be held from June 17, 2022 to June 19, 2022. The conference will remain a hybrid event at The University of Texas at Dallas, and the paper review process will be continued with the new deadlines. For those who wish to attend DCAS 2022 on-site, the on-site events will be held in the department of ECE at UTD during June 17-19, 2022. All programs will be available online via Teams platform. This conference is co-sponsored by the IEEE Circuits and Systems (CAS) Society, the IEEE Solid-State Circuits Society, the IEEE Electron Devices Society, UT Dallas and UNT and will feature a comprehensive program of technical papers, poster sessions and keynote speakers. This year's meeting contributions will focus on all areas of circuits, systems and data processing, including but not limited to the following:


- VLSI design and methodologies
- Analog and RF mixed signal design and ICs
- Synthesis, DFT and Verification Methodologies
- Design for Manufacturability and Yield
- Hardware–Software Co-Design
- Device–Circuit Co-Design
- Power Systems and Power Electronics
- Computer Aided Design
- Low-Power Design
- Temperature-Aware Design
- Devices and Modeling
- Communications
- Nanoscale Computing and Nano-Electronics
- High Performance Computing
- Quantum Computing and Spintronics
- Multi-core and Parallel Architectures
- Networks-on-chip
- Embedded Systems
- Sensors and Sensor Arrays
- Signals and Systems
- Reconfigurable Systems
- Education in Circuits and Systems
- Internet of Things
- Cyber-Physical Systems
- Artificial Intelligence Circuits and Architectures
- Hardware Security
- Emerging Technologies
- Big Data Processing
- Compressive Sensing
- Cognitive Computing and Deep Learning
- Smart Systems for Automotive
- Personalized Healthcare Systems
- Sustainable Computing and Systems
- Innovative Neurotechnologies
- Energy-Aware Systems and Services
- Power Management, Energy Harvesting, and Wireless Power
- 5G and Multi-Gigabit Optoelectronics Comm
- Audio and Video Processing
- Packaging



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[www.DCAS2022.com](http://www.DCAS2022.com)





Erik Jonsson School  
of Engineering and  
Computer Science

THE UNIVERSITY OF TEXAS AT DALLAS

# IMPORTANT DATES

Paper submission extended deadline

Jan 27, 2022

Author notification

April 20, 2022

Camera-ready paper submission and author registration

May 20, 2022

- Accepted regular and short papers will be archived in IEEE Xplore.
- Each published paper requires a full conference registration.
- All papers must be presented by an author or coauthor of that paper at the conference.
- Grants will be awarded to students of selected papers to offset registration costs.

More details: [www.DCAS2022.com](http://www.DCAS2022.com)

## DCAS 2022 CONTACT INFORMATION

### General Chair:

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### General Vice Chair:

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## SUBMISSION FORMATS

Regular papers: 4-6 pages

Short papers: 2 pages

Posters: 1 page

### Special Sessions Chair:

Benjamin C Schaefer  
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