IEEE MWSCAS 2027

AUGUST 8-12, 2027
WWW.MWSCAS2027.ORG

CAS IEEE CIRCUITS AND SYSTEMS SOCIETY | IEEE

UNIVERSITY of LOUISIANA LAFAYETTE

PRELIMINARY CALL FOR PAPERS

IMPORTANT DEADLINE DATES

March 15, 2027
Tutorial and Special Session proposals deadline

March 22, 2027
Regular papers and Invited papers submission deadline

May 10, 2027
Notice of acceptance

May 24, 2027
Final camera-ready paper deadline

- **MSC/PhD Forum**
- **Undergraduates Project Demo**
- **Undergraduates Research Forum**
- **Small Business Exhibits**
- **High School Demos**
- **Industry/Academic Panels**
- **Workshops/Panels:**
  - Impact of AI on Higher Education
  - Renewable Energy/Smart Grid
  - Energy Requirements for Data Centers
  - Circuits and Systems for Aerospace and Small Satellite

For Further Information

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As music and food are the heartbeats of life, circuits and systems are the heartbeat of technology development for our daily life. Having both of them together capture the hearts and souls of all the attendees of the 70th IEEE International Midwest Symposium on Circuits and Systems that will be held at Lafayette, LA, USA, August 8-12, 2027. MWSCAS 2027 will include oral and poster sessions, student paper contest, tutorials given by experts in circuits and systems topics, and special sessions. The MWSCAS is the longest running serving conference in circuits and systems. As a matter of fact, it is 70 years young (in 2027). The conference not only introduces new developments in IEEE CAS areas, but, also, it provides an engaging forum to exchange ideas from both researchers and developers. The conference will feature world class speakers, tutorials, workshops, special sessions, demos, panels, industrial programs, and technical poster and lecture sessions from around the world. Topics include, but not limited to the following:

- Analog and Mixed Circuits and Systems
- Biomedical Systems and Bio Chips
- Digital Circuits and Systems
- System on a Chip (SOC) and Network on a Chip (NOC)
- Hardware-Software Co-Design and Security
- Communications Circuits and Systems
- Communications Circuits, Computers and Applications
- Information Theory, Coding and Security
- Cyber and Hardware Security
- RF and Wireless Circuits and Systems
- Wireless Mobile Circuits and Systems and Connectivity, 5G & 6G Circuit and Systems
- Sensor Circuits and Systems
- Mechatronics and Robotics
- Quantum Computing & Photonics
- Quantum Hardware Systems
- Signal and Image Video Processing
- Streaming and Human Computer
- Image, Video and Multi-Dimensional Signal Processing
- Hardware/Software Design and Security
- MEMS/NEMS
- Nano-Electronics and Technology
- Flexible Circuits and Systems
- Emerging Memory and Memristor
- Artificial Intelligence (AI) and Internet of Things (IoT), and Systems
- Embedded processors and controllers
- Neural Networks and Fuzzy Logic
- Energy Harvesting and Power Management
- Biomedical Circuits and Systems
- Wearable and Implantable/ Injectable Systems
- Human/Brain Machine Interfaces
- Lab-on-CMOS and Lab-on-Chip
- Power and Sensory Circuits and Systems
- Smart Power Management for High-Performance Cloud and AI Data Centers
- Wireless Charging and Energy Harvesting
- Power Management of Electric Vehicles
- Smart Grid for Cloud Computing
- Remote Sensing and Signal Processing
- Smart and Intelligent Systems
- Brain Machine Interface
- Emerging and Disruptive Technologies
- Design for Reliable Systems
- Safety and Security Integration
- Heterogeneous & Many Core SoC Architectures
- AI Engineering Education