August 11th – 14th 2024
www.mwscas2024.org

MWSCAS 2024
SPRINGFIELD, MA

Welcome to Springfield Western Mass! We're a region of discovery and innovation with one-of-a-kind attractions and cultural events like no other. This is where Dr. Seuss dreamed of a Cat in the Hat. From historic New England villages to literary legacies, white water rapids to distinctive museums, we've got what it takes to make you say, "Wow". Western Mass is the birthplace of basketball, volleyball and Yankee Candles. We're the site of the nation's first arsenal, the only six-state fair and home to Six Flags, New England's largest theme and water park. We're a region of firsts!

The 2024 IEEE 67th International Midwest Symposium on Circuits and Systems (MWSCAS) is the North American flagship conference of the IEEE Circuits and Systems (CAS) Society. The theme for MWSCAS 2024 is "*Driving the future of Integrated Microelectronics*." It will focus on the growing integration of analog, digital and photonics microelectronics and how these advancements have enabled progress in a diversity of applications to address global societal needs.

The conference will include oral and poster sessions, a student paper contest, special sessions and tutorials given by experts in circuits and systems.

Innovation Themes:
- » Artificial Intelligence & Deep Learning
- » Photonics and Laser systems
- » Quantum Computing
- » Autonomous Vehicles and Systems
- » Heterogeneous Integration and Chiplets
- » Smart Manufacturing & Industry 4.0
- » Personalized and Digital Health Systems
- » Brain: Innovative NeuroTechnologies
- » Trusted Electronics & Hardware Security
- » Green and Sustainable Energy
- » Big Data Processing & Internet of Things
- » Workforce Development for Microelectronics 2.0

Paper submissions are invited in all areas of Circuits and Systems including, but not limited to:
- » Analog and Mixed Signal Circuits and Systems
- » Digital Integrated Circuits and Systems
- » Power and Energy Circuits and Systems
- » Sensory Circuits and Systems
- » Signal, Image, and Multimedia Processing
- » Communications Circuits and Systems
- » RF and Wireless Circuits and Systems
- » Biomedical Circuits and Systems
- » Neural Networks and Neuromorphic Engineering
- » Beyond CMOS Circuits and Architectures

General Co-Chairs:
Neeraj Magotra
Western New England University
Springfield, Massachusetts, USA

Randall L. Geiger
Iowa State University, Ames, Iowa, USA

IMPORTANT DEADLINE DATES
February 16: Tutorial and Special Session proposals deadline
March 22: Regular papers and Student papers submission deadline
March 22: Special sessions papers and Invited papers submission deadline
May 3: Notice of acceptance
May 24: Final camera-ready paper deadline

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