



**MWSCAS**  
**WINDSOR 2018**

# 2018 IEEE 61<sup>st</sup> Midwest Symposium on Circuits and Systems

5-8 August, 2018  
Windsor, Canada

*Cars of 21st Century and Beyond*

## CALL FOR PAPERS

The IEEE International Midwest Symposium on Circuits and Systems (MWSCAS) is the longest running circuits and systems symposium sponsored by the IEEE. The 61<sup>st</sup> edition (MWSCAS 2018) will be held in Windsor, Canada.

MWSCAS 2018 will include oral and poster sessions, student paper contest, tutorials given by experts in circuits and systems topics, and special sessions.

### Topics include, but are not limited to:

- Bio-inspired Green Technologies.
- Neural Networks and Neuromorphic Systems.
- Nanoelectronics and Nanotechnology.
- Bioengineering Systems and Bio Chips.
- Image Processing and Multimedia Systems.
- Analog and Mixed Signal Integrated Circuits.
- Digital Integrated Circuits, SOC, and NOC.
- Control Systems, Mechatronics, and Robotics.
- Linear and Non-linear Circuits and Systems.
- Power Systems and Power Electronics.
- MEMS/NEMS.
- Communication and Wireless Systems.
- System Architectures.
- Embedded Electronics.
- RFICs, Microwave, and Optical Systems.
- Digital Signal Processing.
- Power Management and Energy Harvesting.
- Hardware/Software Co-design.
- Systems on chip for IoTs.
- Biomedical Circuits and Systems.
- Sensory Circuits and Systems.
- Visual Communications and Multimedia Signal Processing

Prospective authors are invited to submit a full paper (4 pages) describing original work. Only electronic submissions will be accepted through the [on-line submission system](#). Papers should follow the formatting instructions in the [authors kit](#). Papers will be accepted for either lecture or poster presentation. Both formats have the same value, and presentation method will be chosen for suitability. Students are encouraged to participate in the Best Student Paper Award contest. We also encourage submissions of proposals for [Tutorials](#), [Special Sessions](#), [M.Sc./Ph.D. Forum](#) and [Demos](#). Accepted papers will be published in the MWSCAS2018 Proceedings subject to advance registration of at least one of the authors at the author rate. All papers published in the MWSCAS2018 Proceedings will be submitted for inclusion into [IEEE Xplore](#).

**About Windsor:** Windsor is a city in Ontario and the southernmost city in Canada. It is on the southern shore of the Detroit River, directly across the river from Detroit, Michigan. Windsor is a major contributor to Canada's automotive industry and has a storied history and a diverse culture. Ouellette Avenue is the historic main commercial street in downtown Windsor. It runs north-south, perpendicular to the Detroit River, and divides the city into east and west sections. Windsor's economy is primarily based on manufacturing, tourism, education, and government services. The University of Windsor is Canada's southernmost university. It is a research oriented and comprehensive university.

### IMPORTANT DATES:

- |               |  |
|---------------|--|
| 1 April, 2018 | Regular Paper submission deadline                              |
| 1 March, 2018 | Special session proposals deadline                             |
| 1 April, 2018 | Tutorial, Demo Proposal, M.Sc./Ph.D. Paper submission deadline |
| 15 May, 2018  | Notice of acceptance   |
| 30 May, 2018  | Final camera-ready paper deadline                              |

<http://www.mwscas2018.org/>

#### Honorary Chairs

Graham A. Jullien, Univ. of Calgary  
William C. Miller, Univ. of Windsor

#### General Chairs

Majid Ahmadi, Univ. of Windsor  
Magdy Bayoumi, Univ. of Louisiana  
at Lafayette

#### Technical Program Chairs

Ahmed Abdel Gawad, Central  
Michigan Univ.

Mohsin Jamali, Univ. of Toledo  
Ken Jenkins, Penn. State Univ.

#### Special Session Chairs

Tarek Elarabi, PennState Behrend  
Univ.

Mitra Mirhassani, Univ. of Windsor  
Mounir Boukadoum, Univ. of  
Quebec at Montreal

#### Tutorial Chairs

Esam Abdel Raheem, Univ. of  
Windsor

#### Student Paper Contest Chair

Mona Zaghoul, George  
Washington Univ.

#### Publication Chairs

Rashid Rashidzadeh, Univ. of  
Windsor

#### Local Arrangement Chairs

Shervin Erfani, Univ. of Windsor

#### Registration Chair

Arash Ahmadi, Univ. of Windsor

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Esraili Jedari, Univ. of Windsor

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