



Call for Papers



16-19 December 2018, Tunisia

<http://www.ieee-icm2018.org>



The International Conference on Microelectronics (ICM) has been held in numerous countries across the Middle East and Asia over the past 29 years. The 30<sup>th</sup> edition of the conference will be held in Tunisia.

ICM 2018 will include oral, poster sessions and tutorials given by experts in state-of-the-art topics. The regular technical program will run for three days. In addition, tutorial sessions will be held on the first day of the conference. Papers are solicited in, but not limited to, the following topics:

Circuits and Systems	CAD Tools and Design	Micro/Nanoelectronics
1. Analog and RF circuit design techniques	1. Simulation (process, device, circuit, logic, timing, functional)	1. Device characterization and modelling
2. Digital signal and data processing	2. Layout (plac., rout., floor plan., symbolic, ERC, DRC)	2. Device physics and novel structures
3. Wireless com. systems	3. Silicon optimization	3. Process technology, CMOS, BJT,
4. Nonlinear circuits	4. Parallel embedded systems	4. BiCMOS, GaAs
5. System on Chip	5. Testing: Formal verification	5. Reliability and failure analysis
6. VLSI for Signal and Image Processing	6. CAD for FPGAs	6. Optoelectronics
7. Integrated antenna and front-end co-design	7. High level synthesis tools	7. MEMS Devices
8. Signal Processing in Communications.	8. Design for testability.	8. Packaging and surface mount technology.

Perspective authors are invited to submit full-length (4 pages) papers, in IEEE format, using the guidelines in the authors' info. Only electronic submissions will be accepted via the online submission system. Accepted papers will be published in the electronic Conference Proceedings (CD ROM) and will be submitted to IEEE Xplore®. Authors of the best papers will be invited to resubmit an extended version to be considered for publication at an International Journal.

Deadlines:

- Full Paper Submission : **August 10, August 20, 2018**
- Notification of Acceptance: **September 16, September 30, 2018**
- Camera Ready Submission: **October 11, 2018**

International Coordinators

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- Khaled Salama, KAUST, KSA
- Mohamed Masmoudi, ENIS, Tunisia
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- Abbes Amira, Qatar Univ, Qatar
- Abdoul Rjoub, JUST, Jordan
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