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The IEEE International Conference on Microelectronics (ICM) has been held in numerous countries across the Southern Europe, North Africa, and Western and Southern Asia for the past 28 years. The 29th edition of the conference will be hosted by Arts, Sciences & Technology University in Lebanon (AUL) at the Crowne Plaza Hotel, Hamra, Beirut in December 2017. Several topics will be discussed such as Circuits and Systems, CAD Tools, Micro/Nano electronics and special emerging topics. It 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. Moreover, tutorial sessions will be held on the first day of the conference. Papers are solicited in, but not limited to, the following topics:

### General Circuits and Systems

1. Analog and RF circuit design techniques
2. Digital signal and data processing
3. Wireless communication systems
4. Optical Communications
5. Nonlinear circuits
6. System on Chip (SoCs)
7. VLSI for Signal and Image Processing
8. Integrated antenna and front-end co-design
9. Signal Processing in Communications

### Micro/Nano electronics

1. Device characterization and modeling
2. Device physics and novel structures
3. Process technology, CMOS, BJT,
4. BiCMOS, GaAs
5. Reliability and failure analysis
6. Optoelectronics
7. MEMS Devices
8. Packaging and surface mount technology

### CAD Tools and Design

1. Simulation (process, device, circuit, logic, timing, functional)
2. Layout (placement, routing, floor planning, symbolic, ERC, DRC)
3. Silicon optimization
4. Parallel embedded systems
5. Testing: Formal verification
6. CAD for FPGAs
7. High level synthesis tools
8. Design for testability

### Special Session

- Topic I : Virtual Reality  
Topic II: Biomedical Instrumentations  
Topic III: Renewable Energy  
Topic IV: Emerging Technologies

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: <http://edas.info/N23573>  
Accepted papers will be published in the electronic conference proceedings in IEEE XPLORE.

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### Important Dates

Full Paper Submission:  
**July 16, 2017 August 1, 2017**  
Notification of Acceptance:  
**September 18, 2017**  
Camera Ready Submission:  
**October 13, 2017**

Tutorials proposals submission deadline:  
**June 15, 2017**  
Notification of Tutorials proposals:  
**June 25, 2017**

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