

# ICM 2025

## Cairo-Egypt (HYBRID)

### December 14-17 2024

## International Conference on Microelectronics



#### Honorary co-Chair:

Mohamed Elmasry, Waterloo Univ., Canada

#### Conference co-Chairs:

Mohamad Sawan, Westlake Univ., China

Yehea Ismail, AUC, Egypt

#### Technical Program co-Chairs:

Ahmed Madian, IEEE CAS, Egypt

Adnan Harb, LIU, Lebanon

Abdallah Kassem, NDU, Lebanon

Fouad Hajj Hassan, AlMaaref, Univ., Lebanon

#### Publication co-Chairs:

Mohamed Tabaa, EMSI, Morocco

Sofiene Tahar, Concordia Univ., Canada

#### Finance co-Chairs:

Raafat Lababidi, France

#### Publicity co-Chairs

Raafat Lababidi, France

Mohamed Abid, Tunisia

#### Special Session co-Chairs:

Tales Pimenta, UFI, Brazil

Vasilis Alimisis, NTUA, Greece

Ahmad Kobeissi, LIU, Lebanon

Majd Saied, LIU, Lebanon

#### Industrial Relation Chairs:

Rabih Rammal, LIU, Lebanon

Ali M. Haidar, BAU, Lebanon

Xiaojin Zhao, Shenzhen University, China

#### Local Arrangement co-Chairs:

Abdallah Kassem, NDU, Lebanon

Ahmed Madian, IEEE CAS, Egypt

#### Tutorials co-Chairs

Mourad Loulou, NES, Tunisia

Hani Saleh, KU, UAE

Ali M. Haidar, BAU, Lebanon

Ahmad Diab, LIU, Lebanon

#### International Coordinators

Abbas Dandache, LU, France

Abdoul Rjoub, JUST, Jordan

Ahmed Bouridane, UAE

Ameena Al-Sumaiti, KU, UAE

Baker Mohammad, KU, UAE

Khaled Salama, KAUST, KSA

Maitham Shams, Carleton University, Canada

Mehdi Ehsanian-Mofrad, KNTU, Iran

Mohamad Abou Ali, Spain

Mohamed Masmoudi, ENIS, Tunisia

Mohammed Ismail, W.S.U, USA

Mounir Boukadoum UQAM, Canada

Mourad Loulou, Tunisia

Nabil Karami, UCT, UAE

Nabil Khachab, Kuwait University, Kuwait

Omar FALOU, Canada

Otmene Ait Mohamed, Concordia Univ, Canada

Raafat Lababidi, France

Said Elnaffar, CUD, UAE

Tales Pimenta, UFI, Brazil

The International Conference on Microelectronics has already been held numerous times in different countries across the Middle East, Southern Europe, and Asia for the past 36 years. The 37<sup>th</sup> edition of the conference will take place in Beirut, Lebanon. ICM 2025 will include oral, poster sessions and tutorials given by experts on 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. ICM 2025 is a highly technical conference that focuses on the latest developments in circuits and systems research. As such, the conference is primarily aimed at researchers, academics, engineers, and professionals in the field of circuits and systems. The conference, spanning over four days, will include peer-reviewed paper submissions, and accepted papers will be considered for inclusion in IEEE Xplore. Papers are solicited in, but not limited to, the following topics:

- ☐ Circuits and Systems
- ☐ Digital signal and data processing
- ☐ AI
- ☐ IoT and Wireless communication systems
- ☐ Analog and RF circuit design techniques
- ☐ Nonlinear circuits
- ☐ VLSI for signal and image processing
- ☐ System on chip (SoCs)
- ☐ Integrated antenna and front-end co-design
- ☐ IoT circuits and security
- ☐ Metaverse and Sensors
- ☐ Biomedical circuits and systems
- ☐ CAD Tools and Design
- ☐ Simulation (process, device, circuit, logic, timing, function)
- ☐ Silicon optimization
- ☐ Parallel embedded systems
- ☐ Testing: Formal verification
- ☐ CAD for FPGAs
- ☐ High-level synthesis tools
- ☐ Design for testability
- ☐ Micro/Nanoelectronics
- ☐ Device characterization and modelling
- ☐ Device physics and novel structures
- ☐ Process technology, CMOS, BJT, BiCMOS, GaAs
- ☐ Reliability and failure analysis
- ☐ Optoelectronics
- ☐ MEMS devices
- ☐ Packaging and surface mount technology

#### Paper Submission

Authors are invited to submit papers in PDF using according to IEEE formatting guidelines. Paper template could be downloaded from the following website:

[https://www.ieee.org/conferences\\_events/conferences/publishing/templates.html](https://www.ieee.org/conferences_events/conferences/publishing/templates.html)

Electronic submission of papers should be done via EDAS:

<https://edas.info/newPaper.php?c=33298>

Questions regarding submission should be directed to [icm2025@ieee-icm.org](mailto:icm2025@ieee-icm.org)

Accepted and presented papers for authors who complete registration will be submitted for inclusion to IEEE Xplore.

#### Review Process

The evaluation of submitted papers is based on the importance and usefulness of the research topic. Technical merits, novelty of the approach, soundness of results, and clarity of presentation are also considered as factors of the evaluation process. Each paper will be fully reviewed by a minimum of Three specialized reviewers.

#### Important Dates:

**Full Paper Submission**

**: September 29<sup>th</sup>, 2025**

**Paper's Notification**

**: October 27<sup>th</sup>, 2025**

**Camera Ready**

**: November 19<sup>th</sup>, 2025**

**Submission of Special Sessions Proposals**

**: September 25<sup>th</sup>, 2025**

**Submission of Tutorials Proposals**

**: September 25<sup>th</sup>, 2025**

**Notification of Tutorials Proposals Acceptance**

**: September 30<sup>th</sup>, 2025**

**Notification of Special Sessions Proposals Acceptance**

**: September 30<sup>th</sup>, 2025**