



ICM2024  
Doha-Qatar

December 14-17 2024

# International Conference on Microelectronics



## Honorary co-Chair:

Mounir Hamdi, Dean, CSE, HBKU, UAE  
Mohamed Elmasry, Waterloo Univ., Canada

## Conference co-Chairs:

Amine Bermak, HBKU, Qatar  
Mohamad Sawan, Westlake Univ., China

## Technical Program co-Chairs:

Ahmed Madian, NU, Egypt  
Bo Wang, HBKU, Qatar  
Fouad Hajj Hassan, AlMaaref, Univ, Lebanon

## Publication co-Chairs:

Falah Awwad, UAEU, UAE  
Mohamed Tabaa, EMSI, Morocco  
Sofiene Tahar, Concordia Univ., Canada

## Finance co-Chairs:

Mourad Haj Hmida, HBKU, Qatar  
Abdallah Kassem, IEEE-CAS, Lebanon

## Publicity co-Chairs

Arshad Khan, HBKU, Qatar  
Mohamed Tabaa, Morocco  
Mohamed Abid, Tunisia

## Special Session co-Chairs:

Volkan Kursun, Bilkent, Turkiye  
Tales Pimenta, UFI, Brazil  
Mohamad Arnaout, LIU, Lebanon

## Industrial Relation Chairs:

Ali M. Haidar, BAU, Lebanon  
Xiaojin Zhao, Shenzhen University, China

## Local Arrangement co-Chairs:

Muhammad Abrar Akram, QU, Qatar  
Shawkat Ali, HBKU, Qatar  
Arshad Hassan, HBKU, Qatar

## Tutorials co-Chairs

Milin Zhang, TU, China  
Hani Saleh, KU, UAE  
Mahmoud Masadeh, YU, Jordan

## International Coordinators

Tales Pimenta, UFI, Brazil  
Abbas Dandache, LU, France  
Adnan Harb, LIU, Lebanon  
Abdoul Rjoub, JUST, Jordan  
Khaled Salama, KAUST, KSA  
Mohamed Masmoudi, ENIS, Tunisia  
Ahmed Bouridane, UAE  
Mohammed Ismail, W.S.U, USA  
Otmame Ait Mohamed, Concordia Univ, Ca  
Mourad Loulou, Tunisia  
Nabil Karami, UCT, UAE  
Mohamad Abou Ali, Spain  
Omar FALOU, Canada  
Mohamad Khalil, LU, Lebanon  
Baker Mohammad, KU, UAE  
Mounir Boukadoum UQAM, Canada

The International Conference on Microelectronics has already been held numerous times in different countries across the MiddleEast, Southern Europe, and Asia for the past 35 years. The 36th edition of the conference will take place in Doha Qatar. ICM 2024 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 2024 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/N32481>

Questions regarding submission should be directed to [icm2024@ieee-icm.org](mailto:icm2024@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 20<sup>th</sup>, 2024**

**Paper's Notification**

**: October 20<sup>th</sup>, 2024**

**Camera Ready**

**: November 20<sup>th</sup>, 2024**

**Submission of Special Sessions Proposals**

**: September 25<sup>th</sup>, 2024**

**Submission of Tutorials Proposals**

**: September 25<sup>th</sup>, 2024**

**Notification of Tutorials Proposals Acceptance**

**: September 30<sup>th</sup>, 2024**

**Notification of Special Sessions Proposals Acceptance: September 30<sup>th</sup>, 2024**