



ICM 2024  
 Marriott Marquis City Center, Doha–Qatar  
 December 14-17 2024  
 International Conference on  
 Microelectronics



**Honorary co-Chair:**  
 Mounir Hamdi, HBKU, Qatar  
 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 Hmdia, HBKU, Qatar  
 Abdallah Kassem, IEEE-CAS, Lebanon

**Publicity co-Chairs**  
 Arshad Khan, HBKU, Qatar  
 Abubakar Abubakar, HBKU, Qatar  
 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:**  
 Abdelkrim Khelif, HBKU, Qatar  
 Muhammad Abrar Akram, QU, Qatar  
 Shawkat Ali, HBKU, Qatar  
 Arshad Hassan, HBKU, Qatar

**Tutorials co-Chairs**  
 Milin Zhang, THU, 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  
 Otmene Ait Mohamed, Concordia Univ, Ca  
 Mourad Loulou, Tunisia  
 Nabil Karami, UCT, UAE  
 Mohamad Abou Ali, Spain  
 Omar FALOU, Canada  
 Baker Mohammad, KU, UAE  
 Mounir Boukadoum UQAM, Canada

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 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/>

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