

## 2025 IEEE International Memory Workshop

May 18<sup>th</sup> – 21<sup>st</sup>, 2025, Monterey, CA, USA

### CALL FOR PAPERS (Deadline February 3<sup>rd</sup>, 2025)

The 17<sup>th</sup> IEEE International Memory Workshop (IEEE IMW) is currently planned as an on-site event from May 18<sup>th</sup> – May 21<sup>st</sup>, 2025 in Monterey, CA, USA. The conference brings the memory community together in a workshop environment to discuss the memory process and design technologies, applications, market needs and strategies. It is sponsored by the IEEE Electron Devices Society and meets annually in May.

The IEEE IMW is a premier international forum for both new and seasoned technologists having diverse technical backgrounds to share and learn about the latest developments in memory technology with the global community. The scope of workshop content ranges from new memory concepts in early research to the technology drivers currently in volume production as well as emerging technologies in development.

The workshop will start on Sunday, May 18<sup>th</sup> with a Tutorial Session, followed by Technical Sessions from Monday May 19<sup>th</sup> through Wednesday May 21<sup>st</sup>. The evening panel discussions will address hot topics in the memory field and active participation and discussions will be encouraged.

Papers are solicited in all aspects of semiconductor memory technology (Flash, DRAM, SRAM, PCRAM, RRAM, MRAM, FRAM, Embedded Memories, System, and Emerging Memories), including but are not limited to:

Device Physics & Modeling  
Cell Design & Novel Materials  
Memory Process & Integration  
Circuit Design, Algorithms & Error Management  
Quality & Reliability  
System Architecture

New Concepts & Disruptive Technologies  
Emerging Applications & Markets  
SSD, Mobile & Automotive  
In-Memory & Neuromorphic Computing  
Memory-enabled Artificial Intelligence

### PAPER SUBMISSION

- **Single submission of final, up to four-page paper**
- **Best Paper and Best Student Paper will be awarded at the end of the Workshop**
  - **Notification of acceptance: March 17<sup>th</sup>, 2025**
  - **Invited talks given by renowned experts**

Please submit an electronic paper in PDF format at: <https://imw2025.exordo.com/>. The suggested format can be found at: <https://www.ieee.org/conferences/publishing/templates.html>. The paper should be no more than four pages including supporting figures and tables. **The deadline for submitting paper is February 3<sup>rd</sup>, 2025.** The proceedings with all the accepted papers will be provided to the participants as a secured PDF download. It will also be submitted to the IEEE for submission to the Xplore database for easy referencing. In keeping with the workshop nature of the meeting, no photograph or recording will be allowed. Submissions from universities are encouraged. There is a subsidized registration fee for students and IEEE Members. The maximum attendance at the workshop is limited. Therefore, advance registration is highly recommended.

### CONTACT INFORMATION

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<http://www.ewh.ieee.org/soc/eds/imw/>