



72nd
International
Electron
Devices
Meeting

Devices at the Heart of the Intelligence Revolution

2026 International
Electron Devices
Meeting

December 12-16, 2026

Hilton San Francisco Union Square
San Francisco, CA

IEDM is pleased to announce increased
technical focus in the area of:

NEUROMORPHIC AND NOVEL COMPUTING (NC)

Topics

Papers are solicited in the following themes of interest:

- Memory, logic, and nanoelectronic devices featuring novel functions and/or materials, engineered for new and unconventional compute paradigms
- Analog or digital AI accelerators based on compute-in-memory (CIM) architectures driven by advanced memory technologies, including SRAM, DRAM, Flash, ReRAM, MRAM, PCRAM, ECRAM, ferroelectric memory, and memory selectors
- Probabilistic and approximate computing enabled by the stochastic behaviors of emerging devices and materials
- Emerging computing algorithms specifically enabled by memory, logic, and nanoelectronic devices

New or trending areas include:

- Hardware acceleration for generative AI and LLMs
- On-chip learning and edge intelligence enabled by novel device dynamics
- Neuromorphic sensors and in-sensor computing
- Monolithic 3D and heterogeneous integration for scalable computing
- Device-algorithm co-optimization

Paper Submission

Deadline: July 16th

Single submission of final, four-page paper



For More Information

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