

# The 12<sup>th</sup> IEEE Non-Volatile Memory Systems and Applications Symposium

## NVMSA 2023 CALL FOR PAPERS

August 30 - September 1, 2023 (TOKI MESSE, Niigata, Japan)

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**NVMSA** is a premier conference in the area of non-volatile memory systems and emerging memory technologies. It provides a fantastic opportunity for global non-volatile memory researchers from different communities to discuss and exchange knowledge, ideas and insights, and to facilitate the establishment of potential collaborations that can speed up the progress in the design and application of NVMs. An expanded technical program will be offered in NVMSA 2023 for the audience from academia and industry.

### Scope of Conference

#### Device/Circuit Design of NVM Systems: NVM Storage:

- Emerging NVM Circuit Design
  - NVM Device Design
  - Error Correction for NVMs
  - Non-volatile Logic Circuit
  - Low Power NVM Circuit
  - Operating System Support for NVM
  - Compiler Optimization for NVM
  - NVM-based Storage Software
  - NVM-based Databases
  - NVM Controller Design
- #### NVM Architecture and Systems:
- Non-volatile Registers
  - Non-volatile Memory Architectures
  - Non-volatile Cache Design
  - NVM Neuromorphic Architectures
  - NVDIMM
- #### NVM Applications:
- In-memory Computing
  - NVM for Big Data Analytics
  - NVM in Mobile Healthcare Applications
  - NVM in Wearable Applications
  - NVM in the Internet of Things

### Paper Submission

Both research and industry track papers are solicited. All papers must be submitted electronically in PDF format. The submitted manuscripts must describe original work not previously published and not concurrently submitted elsewhere. Submissions must be no more than 6 pages in the IEEE conference proceedings format (two-column, single-space). Each paper is peer reviewed by the program committee members, and the authors are notified of either "accepted for a long presentation", "accepted for a short presentation", or "reject." Note that authors of a short presentation do not need to shorten the paper itself. Accepted papers will be included in the IEEE Xplore and will be EI indexed. For detailed information, please refer to the "Submissions" section at:

<https://nvmsa2023.github.io/>

<https://nvmsa2023.github.io/submissions.html>

### Important Dates

Abstract Submission Deadline: ~~April 7~~ **April 21, 2023(AoE)**

Paper Submission Deadline: ~~April 14~~ **April 28, 2023(AoE)**

Acceptance Notification: **May 30, 2023(AoE)**