Special Issue

Advances in Non-volatile Memory Technology

Message from the Guest Editor

As an important part in the hierarchy of data storage, the technological developments of non-volatile memory always attract extensive attention from researchers in academia and engineers in industry. With the fast development of artificial intelligence, autopilot and cloud computing technology, non-volatile memory exhibits great application potential and great demand. Non-volatile memory faces many critical technical challenges in the process of constructing a digital information society. It is essential to develop novel non-volatile memory technologies to achieve high performance, high reliability and high density. We invite you to contribute your high-quality research and reports on advances in memory technology. The topics include but are not limited to:

- Non-volatile memory materials, device structure, physics, reliability and array-/chip-level characterizations and demonstrations.
- Novel integration schemes, novel circuit design schemes and novel architectures based on non-volatile memory.
- Non-volatile memory application, as well as its applications in the areas of computing-in-memory, machine learning, neuromorphic computing

Guest Editor

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

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