

Special Issue

Microelectronics Processing Technologies: Current Status and Prospects

Message from the Guest Editor

This Special Issue on “Microelectronics Processing Technologies: Current Status and Prospects” invites original research and review articles that explore the latest advancements in microelectronics processing techniques, materials engineering, and integration strategies. Topics include, but are not restricted to, the following areas:

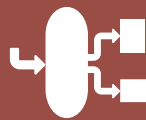
- Techniques for micro- and nano fabrication;
- Integrating processes in CMOS technology and beyond CMOS technologies;
- Innovative materials and interfaces for cutting-edge packaging solutions;
- Managing heat in tiny systems;
- Advancements in MEMS and NEMS processes;
- Developing and simulating processes;
- Creating new types of devices (e.g., quantum and neuromorphic);
- Integrating different materials and structures in three dimensions;
- Ensuring reliability, analyzing failures, and improving production yields;
- Eco-friendly and sustainable methods for semiconductor fabrication.

Guest Editor

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Deadline for manuscript submissions

closed (28 February 2026)



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Editor-in-Chief

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