

Special Issue

Advances in Inspection and Sensing Technologies

Message from the Guest Editors

High-performance inspection and sensing technologies have become key enablers for advanced manufacturing, especially in the industries of semiconductor, consumer electronics, precision engineering, and fast-moving consumer goods (FMCG). As the frontier of data collection, these technologies are also the critical elements for Industry 4.0. Inspection and sensing technologies have seen rapid development in the recent decade, driven by emerging concepts in the areas of electronics, optics, quantum physics, digitalization, and artificial intelligence. As inspection and sensing applications involve multi-discipline topics, this Special Issue will welcome researchers from different areas to contribute high-quality submissions. The topics of interest will include, but not be limited to, the following:

- Intelligent inspection;
- Sensing technologies;
- Sensor fusion;
- Image/data fusion;
- Machine vision;
- Machine learning and deep learning;
- Condition monitoring and predictive maintenance;
- Non-destructive testing (NDT);
- Optics and photonics;
- In-line inspection and instrumentation;

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2022)



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About the Journal

Message from the Editor-in-Chief

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 guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is
provided to authors approximately 16.4 days after
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the second half of 2024).