

Special Issue

Data Management, Integration, and Interoperability

Message from the Guest Editors

This Special Issue gathers cutting-edge research and practical applications that address critical gaps in data platform management, with a particular focus on integration and interoperability. Research areas may include (but are not limited to) the following:

- Advanced solutions for managing data platforms based on metadata (e.g., data catalogs);
- Advanced data structures for flexible and semantically rich data management;
- Novel frameworks and storage architectures for seamless data integration and interoperability across heterogeneous sources (e.g., lakehouse);
- Standards and data models to enhance data interoperability and exchange in cross-organizational settings (e.g., FIWARE Smart Data Models);
- User-centered solutions to data platform management, ETL, and data integration based on LLMs and artificial intelligence;
- Formal frameworks to define, share, and enforce interoperable regulations in applicative domains (e.g., formalize regulations about pesticides in precision agriculture);
- Case studies highlighting the implementation and impact of data management, integration, and interoperability in real-world scenarios.

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

31 December 2025



Electronics

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Impact Factor 2.6
CiteScore 6.1



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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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