Special Issue

Future Development of Trustworthy Artificial Intelligence and Applications

Message from the Guest Editors

This Special Issue solicits both fundamental and applicational research that presents the latest advancements and challenges in the development of trustworthy AI. We welcome research that explores the technical and social dimensions of trustworthy AI, investigates the status quo vulnerabilities of AI systems, develops principled countermeasures to interpret AI decision-making and enhance AI accountability, and promotes the deployment of trustworthy AI in diverse fields. We invite submissions from researchers at various levels of their careers. Specific topics include the following:

- Vulnerability analysis in AI systems.
- Interpretable AI decision-making.
- Fairness and bias mitigation for AI systems.
- Privacy-preserving AI.
- AI ethics and value alignment.
- Human–AI interaction with trust and reliability.
- Hardware and algorithm co-design for robust AI.
- AI accountability through benchmarking.
- Trustworthy AI applications for realistic and high-stake fields.

Guest Editors

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Deadline for manuscript submissions

20 December 2024

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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 16.8 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2024).

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