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 Al. We welcome research that explores the technical and social dimensions of trustworthy Al, investigates the status quo vulnerabilities of Al systems, develops principled countermeasures to interpret Al decision-making and enhance Al accountability, and promotes the deployment of trustworthy Al 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 Al systems.
- Privacy-preserving Al.
- Al ethics and value alignment.
- Human-Al interaction with trust and reliability.
- Hardware and algorithm co-design for robust Al.
- Al accountability through benchmarking.
- Trustworthy AI applications for realistic and high-stake fields.

Guest Editors

Dr. Zhuangdi Zhu

Dr. Tianlong Chen

Dr. Fei Dou

Deadline for manuscript submissions

closed (20 June 2025)



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Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

mdpi.com/journal/electronics





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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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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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).

