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Future Development of Trustworthy Artificial Intelligence and Applications

Guest Editors:

Dr. Zhuangdi Zhu
Department of Cyber Security Engineering, George Mason University, Fairfax, VA 22030, USA

Dr. Tianlong Chen
Department of Computer Science, The University of North Carolina, Chapel Hill, NC 27599, USA

Dr. Fei Dou
School of Computing, University of Georgia, Athens, GA 30602, USA

Deadline for manuscript submissions:
20 December 2024

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.

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Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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.

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Contact Us

Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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