

Special Issue

Hardware Trust and Assurance in Image Analysis and Machine Learning Perspectives

Message from the Guest Editor

Artificial intelligence (AI) and computer vision (CV) play a crucial role in design and development of both threats and countermeasures in hardware. Topics of interest include but are not limited to the following:

- Emerging topics in physical inspection and assurance
- Counterfeit Detection and Anti-Counterfeit Technique
- Image analysis and artificial intelligence for assurance and inspection
- Chip and PCB level decomposition for assurance
- Electro-optical probing using PEM, EOP, EOFM, etc.
- Hardware Trojan Models and Detection Techniques
- Trusted and Malicious Hardware-Level AI systems
- Cross-Layer Hardware Security
- Security Verification of Intellectual Properties and Integrated Circuits
- Computer Vision for Hardware Security
- Robustness in Hardware-Level Computer Vision Algorithms
- Hardware Implementation of Biometrics, Forensics, and Physical Security Systems
- Fault Injection and Mitigation for Hardware-Level AI Systems

Guest Editor

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Deadline for manuscript submissions

closed (31 July 2021)



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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.

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