Call for Papers
IET Computers & Digital Techniques

Special Issue: Hardware Security

Hardware security has become a key requirement and the Achille’s heel of a wide range of electronic systems, from small RFID tags to cars and entire embedded infrastructures. Its significance will further grow with the proliferation of new technologies and continued integration of information technology with the environment within the cyberphysical system paradigm.

This Special Issue will present recent results in the field of hardware security. Topics of interest include but are not limited to:

- Design of secure functions in application-specific and reconfigurable hardware
- Secure hardware primitives (physically unclonable functions, random number generators)
- Side-channel analysis techniques and countermeasures
- Fault attacks, detection and protection methods
- Hardware Trojans and trustworthy manufacturing
- Manufacturing test of secure devices
- Anti-counterfeiting and IP protection for semiconductor devices
- Methodologies, tools and metrics for hardware security
- Formal methods for secure hardware
- Applications of secure hardware in domains such as automotive, aerospace or industrial automation
- Case studies

All papers must be submitted through the journal’s Manuscript Central system:
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All submissions are subject to the journal’s peer-review procedures. The authors should follow the journal’s Author guide at http://digital-library.theiet.org/journals/author-guide when preparing papers for submission to the Special Issue.

Important dates:
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