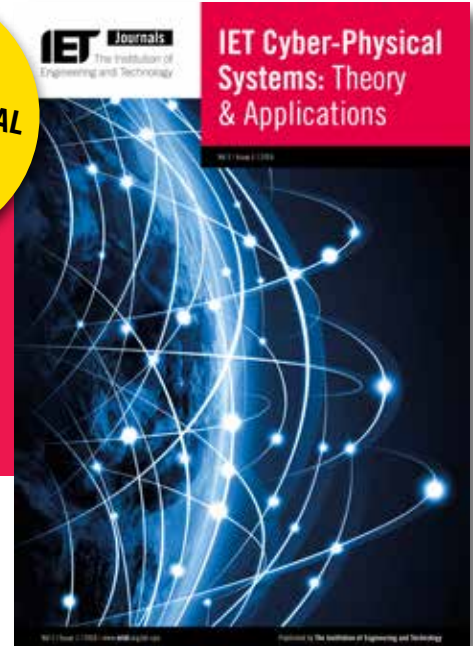


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Special Issue:

Safety-Critical Cyber Physical Systems

Cyber-Physical Systems (CPS) deal with the cyber control and physical processes as well as the interactions between them. In the domains of automobile and aerospace (A/A), many CPS are safety-critical systems, such as cruise control systems and flight control systems. Undiscovered software or hardware problems in the design may lead to severe safety issues. Late-phase fault detection and rework can risk significant lost in both time and money.

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The areas of interests include, but are not limited to, the following CPS-relevant topics:

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- Software/Hardware codesign approaches
- Requirement formalization and validation approaches
- CPS safety and security
- Complexity and scalability
- Heterogeneity and interoperability
- Timing analysis and verification
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