Special Issue

Control Part of Cyber-Physical Systems: Modeling, Design and Analysis

Message from the Guest Editors

This Special Issue concerns the modeling, design, and analysis aspects of the control part of a cyber-physical system. Topics of interest include but are not limited to:

- Modeling of the control part of CPS:
  - Concurrent models;
  - Sequential models;
  - Hierarchical state machines and Statecharts;
  - Deterministic models of the control part of CPS;
  - Other modeling aspects of the control part of CPS.
- Design of the control part of CPS:
  - Integrated and distributed implementation of the control part of CPS;
  - Hardware realization;
  - Decomposition (splitting) and synchronization techniques of the control part of CPS;
  - Static and dynamic partial reconfiguration of the control part of CPS.
- Analysis of the control part of CPS:
  - Verification of the control part;
  - Validation of the control part;
  - Analysis of the concurrency and sequentiality relations in the control part of CPS;
  - Security of the control part of CPS.

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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