Call for Papers

SPECIAL ISSUE ON:

Special Issue on Advanced Technologies for Cyber Physical Systems

Cyber Physical Systems (CPS) is a mechanism controlled or monitored by computer-based algorithms, tightly integrated with the Internet and its users. Embedded computers and networks monitor and control the physical processes, with feedback loops where physical processes affect computations and vice versa. This Special Issue solicits original technical papers with novel contributions on advanced technology for Cyber Physical Systems.

In addition, selected papers from the 2019 IEEE International Conference on Cyber, Physical and Social Computing (CPSCom-2019) will be invited to submit extended versions with at least 50% of new material to be considered for this issue.

Topics that we will consider include:

- Privacy, security, reliability, safety, and sustainability issues in CPS
- Architectural framework and hardware design methodologies for CPS
- Design methodologies, benchmarks, measurement, and tools for CPS
- Crowdsensing and analytics of data in CPS
- Design automation for CPS
- Embedded system design for CPS
- Hardware and software co-design methodologies for CPS
- Unsupervised, semi-supervised, and supervised learning in CPS
- Service recommendation, selection, composition, and quality evaluation in CPS
- Scalable design of cloud CPS, smart grid CPS, mobile CPS, social CPS, biological and medical CPS, smart community systems, and automotive CPS

Submit your paper to manuscript submission and peer review site via the following link: www.ietdl.org/IET-CPS

Publication Schedule:
Submission Deadline: 15th September 2019
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