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an Open Access Journal by MDPI

Networking Technologies for Cyber-Physical Systems

Guest Editor:

Dr. Xinrong Li

Department of Electrical
Engineering, University of North
Texas, Denton, TX, USA

Deadline for manuscript
submissions:

30 September 2024

Message from the Guest Editor

As Cyber-physical systems (CPSs) are being applied to an increasing number of diverse application domains, a wide range of networking technologies have been employed to meet different and often conflicting design requirements. With this Special Issue, we invite researchers to contribute original research articles focused on the state-of-the-art CPS networking technologies. The topics of interest include, but are not limited to, the following:

- Design, simulation, implementation, and analysis of CPS networking technologies;
- Networking technologies empowered by machine learning and artificial intelligence;
- Network-enabled collaborative sensing, processing, and control;
- Distributed real-time learning and decision for CPS networks;
- Timing and synchronization for CPS networks;
- Convergence of networking technologies for CPS and Internet of Things;
- Convergence of sensor networks and CPSs;
- Networking technologies for integration of edge computing in CPSs;
- Experimental research, testbed development, and empirical performance studies;
- In-depth surveys of the current state-of-the-art, challenges, and future directions.

Welcome to contribute!



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Special Issue