Special Issue

Networking Technologies for Cyber-Physical Systems

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!

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2024)

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About the Journal

Message from the Editor-in-Chief

Network provides full coverage of all topics of interest involved in the networking area. The purpose of this journal is to bring together researchers, engineers, and students from academia and industry to present novel ideas and solid research about the theoretical and practical aspects in the application domains of communications and networks. The primary focus of the journal is on the analysis, modeling, design, simulation, and implementation of networks. This journal will also serve to attract research concerning applying networking architectures and scenarios to emerging research topics such as Internet of Things (IoT), edge computing, distributed ledger technology, among others.

Editor-in-Chief

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