THE 28TH IEEE INTERNATIONAL SYMPOSIUM ON INDUSTRIAL ELECTRONICS IEEE-ISIE 2019

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Special Session on

"Distributed Resilience Control, Privacy Protection, and Coordination for Complex Cyber-Physical Networks"

Organized by

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Call for Papers

Theme: Many infrastructure systems can be described by models of evolving complex cyber-physical networks, where nodes represent the elements of the systems and links mimic the interactions among them. Prototypical examples including public transportation network, World Wide Web, smart grids and the Internet. The past few years have witnessed a strong upsurge of the study of complex cyber-physical networks in various fields, ranging from physics to mathematics and also to computer science and engineering. Key issues within the field of complex cyber-physical networks include distributed resilience control, privacy protection, and coordination. This special session focuses on theoretical and technological advances in distributed resilience control, cyber-security, and efficient coordination of complex cyber-physical networks.

Topics of interest include, but are not limited to:

Accepted papers will be published in an IEEE proceedings volume and will be also submitted for the International Publication in *IEEExplore*

- Resilient consensus/synchronization for complex cyber-physical networks
- Cyber-security of cyber-physical networks
- Distributed coordination with privacy protection
- Efficient coordination of multiple intelligent agent systems
- Block chain technology for cyber-physical networks
- Distributed efficient optimization for smart grids
- Artificial intelligence technology for complex cyber-physical networks
- Distributed efficient tracking for complex cyber-physical networks
- Distributed accelerated optimization technique for cyber-physical networks
- Distributed fast coordination technique for cyber-physical networks

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