



## Control and Optimization of Multi-Agent Systems and Complex Networks for Systems Engineering

Guest Editors:

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### Message from the Guest Editors

This Special Issue on "Control and Optimization of Multi-Agent Systems and Complex Networks for Systems Engineering" aims to curate novel advances in theoretical developments and applications of biological and nature-inspired multi-agent and network models for systems engineering. Topics include but are not limited to the following:

Deadline for manuscript  
submissions:  
**closed (20 April 2021)**

- Theoretical and practical advances in biological and nature-inspired mathematical models;
- Diffusion processes and dynamics in complex networks;
- Advanced mesoscale models and multi-layer approaches for complex networks analysis;
- Graph-theoretical methods and complex networks applications for risk and resilience analysis in systems engineering;
- Swarm intelligence applications in networked systems;
- Intelligent infrastructure and asset management;
- Approaches and bounded strategies for learning in multi-agent systems at different scales;
- Exploitation, control and optimisation of edge resources via multi-agent systems,
- Multi-agent learning solutions for near-real time decision-making.





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## Message from the Editor-in-Chief

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