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# **Modeling and Simulation of Complex Networks for Automation in Systems Engineering**

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Deadline for manuscript submissions:

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## **Message from the Guest Editors**

This Special Issue on "Modeling and Simulation of Complex Networks for Automation in Systems Engineering" aims to present novel advances on methodologies to improve the development and use of a complexity science framework for automated digital management of industry and infrastructure systems. The scope of this Special Issue includes (but is not limited to):

- Complexity science for systems engineering.
- Dynamics on networks and dynamics of networks.
- Decision-making support in complex systems.
- Diffusion processes and dynamics in complex networks.
- Swarm intelligence applications in networked systems.
- Intelligent infrastructure and asset management.
- Approaches and bounded strategies for learning in multi-agent systems at different scales.
- Multi-agent learning solutions for near-real time decision making.
- Automation in complex systems.
- Graph signal processing in engineering systems operations and management.
- Graph machine learning and graph neural networks models in systems operations and management.
- Sustainable supply chain management.











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