

Special Issue

Operation Optimization and Performance Assessment of Complex Social-Economic Systems

Message from the Guest Editor

The interplay between social and economic systems presents unique challenges and opportunities for optimization and performance assessment. This Special Issue aims to explore the latest methodologies, models, and case studies that enhance our understanding and management of complex socio-economic systems. We seek contributions exploring innovative optimization techniques, performance evaluation frameworks, and their practical applications in urban planning, healthcare, transportation, energy management, and public policy. **Key topics include but are not limited to the following:**

- Data envelopment analysis (DEA) and its applications in socio-economic performance assessment;
- Optimization algorithms for resource allocation and decision making in multi-agent systems;
- Impact of technological advancements, such as AI and big data, on socio-economic system efficiency;
- Case studies demonstrating successful operation optimization in diverse socio-economic contexts;
- Policy implications and strategies for improving socio-economic system resilience and sustainability.

Guest Editor

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closed (28 February 2026)



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Message from the Editor-in-Chief

Systems is a leading venue for the quick and global dissemination of results of cutting-edge research in various areas of systems science and systems-related fields. An increasing number of researchers are realizing the enormous potential of systems thinking in managing the many unprecedented and complex issues in all areas of need. The *Systems* journal provides a home of exceptional quality for the manuscripts of these researchers who often find it difficult to publish their work in conventional discipline focused journals.

Editor-in-Chief

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