

## Special Issue

# Artificial Intelligence in Socio-Technical Systems

### Message from the Guest Editors

The integration of Artificial Intelligence (AI) and data science into socio-technical systems, where social structures and technological infrastructures co-evolve, presents both transformative opportunities and significant challenges. This Special Issue will explore the design, implementation, and evaluation of AI technologies within complex human-centered systems, including healthcare, agriculture, education, energy distribution, governance, and smart cities. We invite contributions that examine how AI and data science algorithms (machine learning, natural language processing, computer vision) interact with organizational policies, human behavior, ethical frameworks, and regulatory environments. Topics of interest include, but are not limited to, AI-driven decision support in public services, explainable and fair AI for social good, the role of AI in cybersecurity and identity management, systems dynamics modeling of AI and data science engagements, human–AI collaboration in software development, and the impact of large language models on learning and critical thinking. Both empirical and theoretical studies that adopt holistic, systems-thinking perspectives are welcome.

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### Guest Editors

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### Deadline for manuscript submissions

31 January 2027



## Systems

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*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.

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### Editor-in-Chief

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