

Special Issue

Mathematics Methods of Robotics and Intelligent Systems, 2nd Edition

Message from the Guest Editors

We are excited to invite you to explore and contribute to our Special Issue on “Mathematics Methods of Robotics and Intelligent Systems, 2nd Edition”. This Special Issue continues our mission to highlight the essential role of mathematical approaches in advancing robotics and intelligent systems. From multi-sensor fusion techniques and filtering to swarm robotics and autonomous systems, mathematics provides the foundation for innovation and reliability in this rapidly evolving field. This Special Issue aims to provide a comprehensive platform for researchers, academicians and practitioners to share their latest findings on mathematical modelling, algorithm development and intelligent system design. The topics of interest include, but are not limited to, the following: Topics of Interest:

- Nonlinear and hybrid robotic systems
- Distributed and multi-agent systems
- Multi-sensor fusion techniques and filtering
- Motion planning and optimal path design
- Swarm robotics and cooperative control
- Mathematical modelling for intelligent systems
- Optimization algorithms for robotic applications
- Nonlinear control theory and advanced algorithms
- Machine learning and computational geometry in robotics

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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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