

Special Issue

New Advances in Control Theory with Applications

Message from the Guest Editors

This Special Issue, titled *“New Advances in Control Theory with Applications”*, seeks original contributions that advance control science by integrating rigorous mathematics with emerging technologies. We welcome both theoretical developments and applied research, particularly in high-tech fields and areas of technological transformation within the national economy. Topics of interest include, but are not limited to: system modelling, identification and estimation; fault diagnosis and fault-tolerant control; data-driven and process control; integration of AI with control theory; intelligent and network control; nonlinear and random system control; predictive, robust and adaptive control; multi-agent and distributed systems; hybrid and discrete-event systems; aerospace and aviation control; pattern recognition and machine learning; intelligent robotics; and other applications of advanced control theory in practical systems.

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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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