

# Special Issue

## Fuzzy Modeling and Fuzzy Control Systems

### Message from the Guest Editors

The modelling, analysis, and optimal control of fuzzy control systems or even nonlinear dynamics systems (FCS/NDSs) have received considerable attention in the last two decades. As usual, the design and analysis of classic dynamics systems rely on deterministic mathematical models. However, dynamical systems are riddled with nonlinearity, complexity and time-delay properties, which make it difficult to obtain system optimization. Certain linearization assumptions are often employed to obtain the optimal theoretical closed-form solution in FCS/NDSs, which are inconsistent with the real engineering applications. Recently, with the rapid development of advanced machine learning, artificial intelligence, robot technology, networked control methods, deep space exploration, and other fields, successful applications in FCS/NDSs have emerged. Therefore, these advanced nonlinear sciences will motivate the researchers to explore new solutions of abundant problems in FCS/NDSs. This Special Issue is devoted to encourage high-quality manuscript submissions that highlight innovative ideas and applications with FCS/NDSs and address nonlinear intelligent control from theory and practice.

### Guest Editors

Prof. Dr. Lijuan Zha  
Dr. Jian Liu  
Prof. Dr. Jinliang Liu

### Deadline for manuscript submissions

closed (30 June 2024)



## Mathematics

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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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