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

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Deadline for manuscript submissions

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