Special Issue

Nonlinear Intelligent Control: Theory, Models, and Applications

Message from the Guest Editor

In recent years, with the rapid development of artificial intelligence, robotics, advanced manufacturing, power systems, aerospace and other fields, traditional control methods are unable to meet the requirements of complex dynamic processes. Therefore, a variety of advanced intelligent control methods such as fuzzy control, data-driven control, neural network control and learning control, have emerged and achieved successful applications. The main aim of this Special Issue is to seek high-quality submissions that highlight emerging theories and applications with advanced nonlinear intelligent control, addressing recent breakthroughs from theoretical and practical aspects. The topics of interest include, but are not limited to, the following:

- Fuzzy control;
- Neural network control;
- Reinforcement learning;
- Data-driven control;
- Modeling approach;
- Nonlinear intelligent control: theory and applications;
- Intelligent control algorithms and their applications in power system, robotics, unmanned vehicles, etc.

Guest Editor

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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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