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

Prof. Dr. Na Dong
School of Electrical and Information Engineering, Tianjin University, Tianjin 300071, China

Deadline for manuscript submissions

closed (30 June 2025)

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/si/199510

Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

mdpi.com/journal/electronics

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/journal/electronics

About the Journal

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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) / CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

MDPI