Special Issue

Fault Diagnosis and Intelligent Control Applications in Fluid Power System

Message from the Guest Editors

Fluid power systems (FPSs) have both typical hydraulic and pneumatic driving systems, which represent fluid power generation, control, and transmission. FPSs are widely used in different fields, such as engineering machinery, energy development, robotics, aircraft, and other advanced manufacturing and interdisciplinary fields. With the development of advanced design and manufacturing technology, more requirements and challenges have been put forward to FPSs. To improve system reliability, security, and performance, some focused problems should be addressed, such as element diagnosis, uncertainty, external load, disturbance, and noise in FPSs. Hence, many technologies are presented to solve these problems, including but not limited to fault diagnosis, intelligent control, advanced detection technique, energy saving, environmental protection, and advanced applications. This Special Issue focuses on new developments of fault diagnosis and intelligent control applications in FPSs. This is a worldwide platform to share the latest achievements and valuable ideas.

Guest Editors

Prof. Dr. Yan Shi

Prof. Dr. Qing Guo

Dr. Changhui Wang

Prof. Dr. Fei Liu

Deadline for manuscript submissions

closed (31 May 2023)

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/si/146427

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 guest-edited 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