Analysis and Applications of Control Systems Theory

Guest Editor:

Dr. Quan-Yong Fan
Northwestern Polytechnical
University, Xi'an 710071, China

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Message from the Guest Editor

The current state of control systems development is marked by significant advancements in technology and theory. From the early analog systems to today's digital and intelligent controllers, control theory has transformed, adapting to the evolving complexities of modern applications. This evolution has been enabled by advancements in computing power, algorithm design, and the integration of AI and machine learning.

This Special Issue presents a specific platform for exploring the latest theoretical advancements and practical implementations in advanced control theory. This theme highlights the critical role of control theory in driving innovation across various fields, including robotics, aerospace, and energy management.

We invite submissions that delve into the following areas of research: advanced control methods for complex systems, the integration of AI and machine learning in control systems, optimization techniques for control system design, the security control of network control systems, and case studies and applications that demonstrate the practical impact of control systems theory.

Special Issue

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and
Informatics, De Montfort
University, The Gateway,
Leicester LE1 9BH, UK

Message from the Editor-in-Chief

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