Special Issue

Intelligent Detection and Control

Message from the Guest Editors

Intelligent detection and behavioral objective control theories and technologies have garnered widespread attention in industrial manufacturing, transportation, healthcare, and particularly in fault and damage detection and control. With the involvement of artificial intelligence, numerous advancements have been achieved. However, ideal breakthroughs in this domain are still lacking—especially in the explicit theoretical formulation of artificial neural network methods, fusion of cross-domain detection signal characteristic patterns, identification of weak detection signal state characteristics under strong interference, recognition of complex features from multifactorial superposition and partial behavioral control, behavioral objective optimization control theories/methods, intelligent control technologies for behavioral domains under multidimensional constraints, and prognostic health management/advanced control technology for UAV/power systems in low-altitude economic applications. We look forward to researchers contributing excellent results to advance the field's theoretical and technical level.

Guest Editors

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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

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