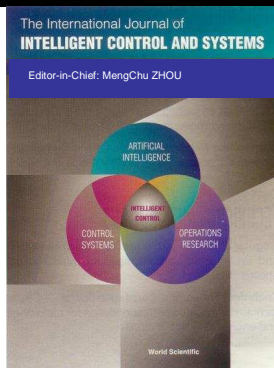


The International Journal of Intelligent Control and Systems



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Aims and Scope

The International Journal of Intelligent Control and Systems (*IJICS*) publishes articles describing recent fundamental contributions and innovative applications in the field of intelligent control and systems. Its objective is to disseminate important and leading-edge information in this field in a timely fashion.

IJICS covers theoretical contributions aimed at winning further understanding of intelligent technologies and knowledge-based systems, including, but not restricted to, robotics and automation, manufacturing, networking, communications, intelligent machines, design methodologies, specification and analysis, integration and coordination, modeling and simulation, system architectures, learning and reasoning, logic programming, self-organization, multisensor fusion, and intelligent control based on machine learning, behavior programming, fuzzy logic, neural networks, genetic algorithms, pattern recognition, and evolutionary computation.

The journal considers practical aspects with contributions on advances in hardware and software development environments for intelligent technologies and knowledge-based systems, including, but not restricted to, smart chips, intelligent devices and instruments, sensing and control, real-time architectures, rapid prototyping, intelligent human-machine interface, computer simulation software packages, and CAD/ CAM tools.

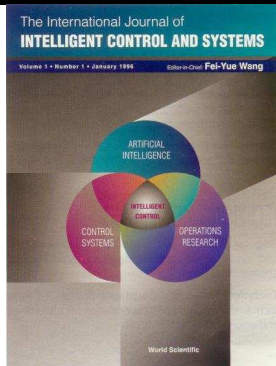
Call for Papers

IJICS welcomes application examples in various areas, including, but not restricted to, industrial automation, aircraft/ spacecraft, manufacturing and process controls, intelligent transportation systems, smart consumer products, modeling and analysis of natural and social systems, financial forecasting and control, and management information systems.

It reports on meetings, including, but not restricted to, conferences, symposia, workshops, and seminars. It also reviews recent literature of software development in intelligent technologies and knowledge-based systems.

Please email your typescript to the Editor-in-Chief. Page 1 of the typescript should contain the article title (not more than 15 words), author(s), affiliation(s), the name and complete mailing address of the person to whom correspondence should be sent, a short abstract and several keywords. References should be indicated in the text by numbers in square brackets and listed at the end of the paper by number in the order in which they were cited.

- ❖ December 2006 Special Issue on Swarm Robotics, Deadline: July 15, 2006
Guest-Editor: Dr. Jizhong Xiao, The City College, City University of New York, Email: jxiao@ccny.cuny.edu
- ❖ March 2007 Special Issue on Dynamic Workflow Management, Deadline: July 15, 2006
Guest-Editors: Prof. Jiacun Wang, Monmouth University, at jwang@monmouth.edu or
Dr. Tong Sun, Xerox Corporation, at Tong.Sun@xerox.com



Special Issue on Swarm Robotics

This special issue, scheduled to be published in December 2006, will contain both invited and contributed papers.

Submission of papers:

Prospective authors may submit their manuscripts to the guest editor given below with a statement that the submission is intended for this special issue. Only Microsoft word file or PDF files via email submission will be accepted (please follow the regular guidelines of IJICS).

Topics:

Possible topics for the special issue include but are not limited to

- * Modeling and analysis (Lyapunov, graph theoretic, game theoretic methods, etc.)
- * Coordination and control (decentralized, cooperative, noncooperative, etc.)
- * Formation control (stabilization, reconfiguration, coverage algorithms, etc)
- * Robust, Adaptive, and Optimal Control
- * Self-organization, self-assembling
- * Synchronization, consensus seeking, rendezvous
- * Evolutionary algorithms
- * Emergent behavior (gathering, aggregation, flocking, schooling, etc.)
- * Swarm communication, service discovery, ad-hoc networks
- * Swarm intelligence
- * Applications

Guest Editor:

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Important Dates:

Final date for submission of manuscripts: July 15, 2006

Notification of acceptance/rejection: Sept. 1, 2006