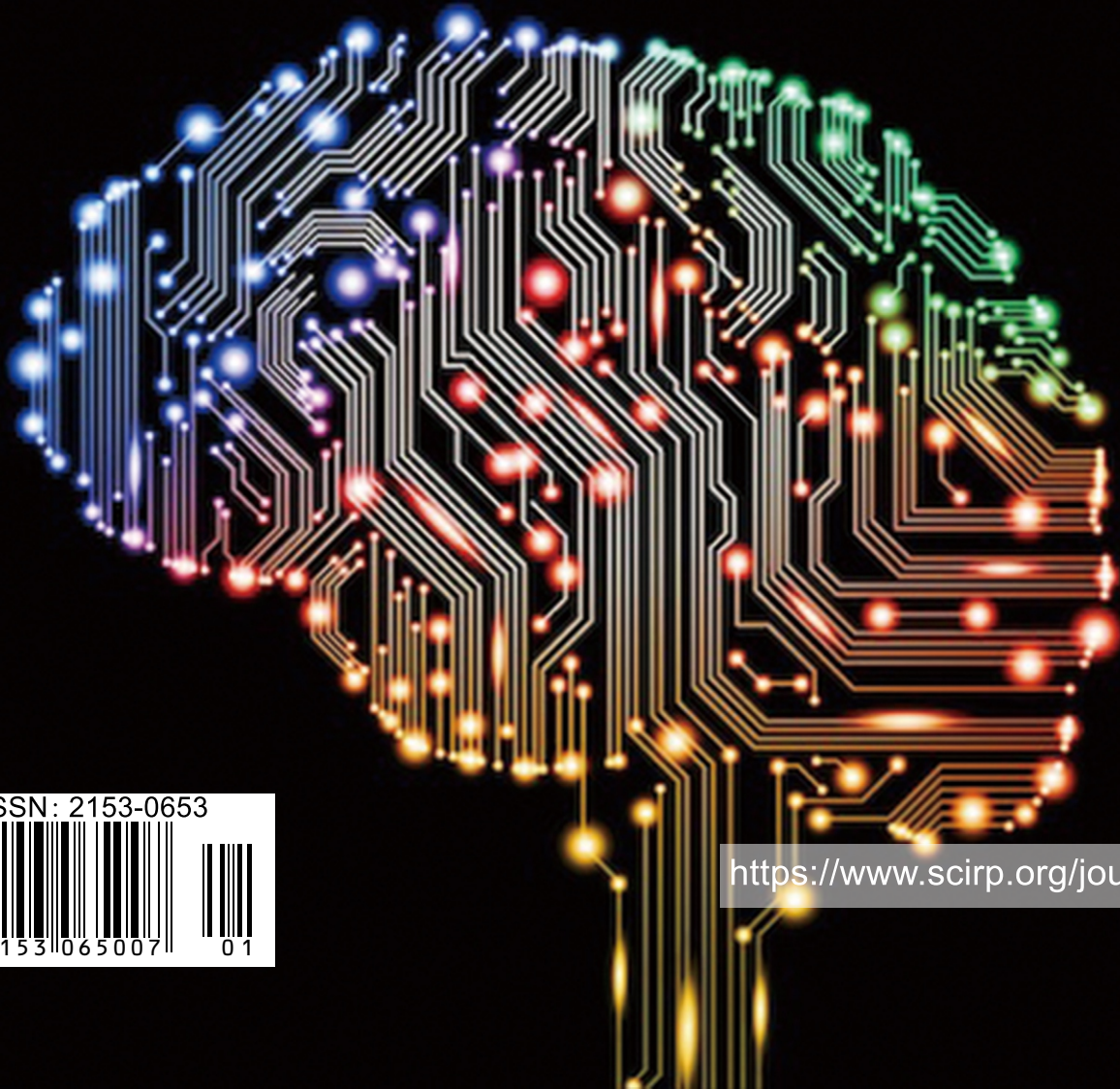


ISSN: 2153-0653 Volume 15, Number 1, February 2024



Intelligent Control and Automation



ISSN: 2153-0653



9 772153 065007 01

<https://www.scirp.org/journal/ica>

Journal Editorial Board

ISSN Print: 2153-0653 ISSN Online: 2153-0661
<https://www.scirp.org/journal/ica>

Editor-in-Chief

Prof. Theodore B. Trafalis University of Oklahoma, USA

Editorial Board

Prof. Pablo Cortés Achedad	University of Seville, Spain
Prof. Jan Awrejcewicz	The Lodz University of Technology, Poland
Dr. Mohammed Chadli	University of Picardie Jules Verne, France
Dr. Ikram Ud Din	Department of Information Technology, the University of Haripur, Pakistan
Prof. João Paulo M. Ferreira	Coimbra Institute of Engineering, Portugal
Prof. Yanxiang He	Wuhan University, China
Prof. Piotr Kulczycki	Polish Academy of Sciences, Poland
Prof. Akihiko Kumagai	California State University, USA
Prof. Wen-Cheng Lai	National Yunlin University of Science and Technology Taiwan, China
Prof. Amalendu Mukherjee	Indian Institute of Technology, India
Dr. Chang-Woo Park	Korea Electronics Technology Institute, South Korea
Prof. Dilip Kumar Pratihari	Indian Institute of Technology, India
Dr. Jianbin Qiu	Harbin Institute of Technology, China
Prof. Yung C. Shin	Purdue University, USA
Dr. José Reinaldo Silva	University of São Paulo, Brazil
Dr. Pandu Ranga Vundavil	IIT Bhubaneswar Odisha, India
Dr. Han Wang	Nanyang Technological University, Singapore
Dr. Ronglong Wang	University of Fukui, Japan
Prof. Junzo Watada	Waseda University, Japan
Prof. Wai-Keung Wong	Hong Kong Polytechnic University, China
Prof. Ruey-Fang Yu	National United University, Chinese Taipei

Table of Contents

Volume 15 Number 1**February 2024****Intelligent Decision-Making in Warehouse Management: How AI Automation Improves
Inventory Tracking, Order Fulfillment, and Logistics Efficiency Compared to Drone Technology**

S. Nishar 1

A Machine Learning-Based Web Application for Heart Disease Prediction

J. Gabriel.....9

The Fundamental Theory of Artificial Intelligence—Logic Structure and Logic Engineering

D. H. Liu.....28

Intelligent Control and Automation (ICA)

Journal Information

SUBSCRIPTIONS

The *Intelligent Control and Automation* (Online at Scientific Research Publishing, <https://www.scirp.org/>) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$79 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

Copyright and reuse rights for the front matter of the journal:

Copyright © 2024 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

<http://creativecommons.org/licenses/by/4.0/>

Copyright for individual papers of the journal:

Copyright © 2024 by author(s) and Scientific Research Publishing Inc.

Reuse rights for individual papers:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

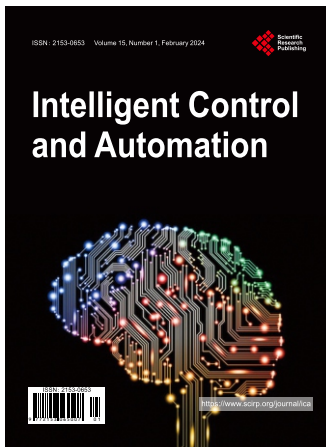
Disclaimer of liability

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: ica@scirp.org



Intelligent Control and Automation (ICA)

ISSN Print: 2153-0653, ISSN Online: 2153-0661

<https://www.scirp.org/journal/ica>

Intelligent Control and Automation is an open access, peer-reviewed and fully refereed journal focusing on theories, methods and applications in intelligent control and automation. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of intelligent control and automation.

Editor-in-Chief

Prof. Theodore B. Trafalis

University of Oklahoma, USA

Subject Coverage

All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by printed hard copy. The journal publishes original papers including but not limited to the following fields:

- Adaptive Controls
- Advanced Control Algorithms and Applications
- Artificial Intelligence and Knowledge Engineering
- Automation System
- Autonomous Systems
- Complex Systems and Intelligent Robots
- Complex Systems, Logistics, and Supply Chain
- Computational Intelligence and Applications
- Control Theory and Control Engineering
- Cooperative Controls (Agent Based Systems)
- Distributed Parameter Systems
- Dynamic Data Driven Application Systems in Intelligent Control
- Ecosystems and Control
- Electronic Commerce and Office Automation
- Hybrid Systems
- Industrial Automation and Online Monitoring
- Integrated and Complex Automation Systems
- Intelligent Automation and Manufacturing
- Intelligent Control Theory and Applications
- Intelligent Management and Decision Making
- Mechanical Engineering and Automation
- Modeling, Identification, and Fault Diagnosis
- Navigation Control Theory and Applications
- Network Intelligence and Network Control
- Optimization
- Power Systems and Automation
- Robotics, Service and Medical Robotics
- Soft Computing
- Systems and Control Theory and Applications
- Systems Engineering and Engineering Optimization
- Water and Natural Resource Management

We are also interested in short papers (letters) that clearly address a specific problem, and short survey or position papers that sketch the results or problems on a specific topic. Authors of selected short papers would be invited to write a regular paper on the same topic for future issues of the *ICA*.

Notes for Intending Authors

Submitted papers should not be previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers will be peer reviewed. For more details about the submission, please access the website.

Website and E-Mail

<https://www.scirp.org/journal/ica>

E-mail: ica@scirp.org