ISSN 2092-805X (Electronic)

JOURNAL OF INFORMATION PROCESSING SYSTEMS
Volume 21, Number 1 (Serial Number 91), February 2025

• RAE-SVM based Webpage Tamper-Resistant Detection Algorithm
Changjian Zhou, Yutong Zhang, Yunfu Liang, and Jinge Xing 1

• DQA4AirQuality: TDQM-Based Data Quality Assessment Framework for Air Quality Datasets
Lina Zhang and Sukhoon Lee 13

• Influence Index Evolution and Empirical Study of Opinion Leaders in Chinese Social Networks
Cheng Zhang 28

• Optimizing Traffic Signal Control Using LLM-Driven Reward Weight Adjustment in Reinforcement Learning
Sujeong Choi and Yujin Lim 43

• An Efficient Classification Algorithm on Orchid Species Based on Data Enhancement
Jianhua Wang and Haozhan Wang 52

• Edge Server Activation Control Method with Early Congestion Avoidance by Using Deep Q Network
Minseok Koo and Jaesung Park 63

(Continued on outside back cover)

iThenticate Professional Plagiarism Prevention
kips Korea Information Processing Society

JOURNAL OF INFORMATION PROCESSING SYSTEMS
Volume 21, Number 1 (Serial Number 91) February 2025
kips Korea Informations Processing Society

(Continued from outside front cover)

• Intelligent Detection Algorithm for Fall from Height Based on Support Vector Machines
Chunchao Chen, Zhiwei Zhang, Hui Cui, Jun Li, Jiajun Zhou, and Zhengyong Fan 71

• A Study on the Evaluation Method of Agility for Female College Basketball Players Based on the AHP-VIKOR Model
Zhenyu Guan and Zhe Kan 80

• Enhancing Fairness in Financial AI Models through Constraint-Based Bias Mitigation
Yiseul Choi, Jiwon Hong, Eunbeen Lee, Junga Kim, and Seongmin Kim 89

• Spatial and Temporal Evolution of Wetlands in the Yellow River Delta Based on Optical Flow Algorithm
Chao Liu, Ruolan Mu, Chuanlong Wang, Xiuhe Yuan, and Sheng Miao 102

kips Korea Information Processing Society
#1002, Yongseong Biztel, Hangangno 2-ga, Yongsangu, Seoul, Korea
Phone=+82-2-2077-1414 Fax: +82-2-2077-1472 Homepage: http://jips-k.org

Volume 21, Number 1 (Serial Number 91), February 2025

Journal of Information Processing Systems (JIPS)
ISSN 2092-805X (Electronic)
http://jips-k.org

JOURNAL OF INFORMATION PROCESSING SYSTEMS JIPS

Published on February 28, 2025

The Journal of Information Processing Systems is the offcial journal of Korea Information Processing Society. Abbreviaated title is 'J Inf Process Syst'. It was launched in 2005. It is published bimonthly, on the last day of February, April, June, August, October and December of each year. Our Journal has been exclusively online since June 2024.

Aims and Scope

The JIPS is a peer-reviewed bimonthly journal that publishes high-quality papers after subjecting them to a rigorous review process. It publishes diverse papers, including theoretical research contributions presenting new techniques, concepts or analyses; experience reports; experiments involving the implementation and application of new theories; and tutorials on state-of-the-art technologies related to information processing systems. In addition, the journal's editorial board selects featured articles with outstanding contributions and results, and introduces them on the journal's homepage. The subjects covered by this journal include, but are not limited to, topics related to a) computer systems and theory; b) multimedia systems and graphics; c) communication systems and security; and d) software systems and applications. To be accepted, however, a paper must be judged to be truly outstanding in its field and to be of interest to a wide audience.

Subscription Information

Korea Information Processing Society (KIPS) will send the Journal of Information Processing Systems for free to individuals, libraries and educational institution worldwide. Full text PDF file are also available at the official website (http://jips-k.org).

Contact JIPS

Publisher Jong Sung Hwang (Korea Information Processing Society)

Editors-in-Chief Yujin Lim (Sookmyung Women's University, Korea)
Aviral Shrivastava (Arizona State University, USA)

Editorial office Korea Information Processing Society
#1002, Yongseong Biztel, Hangangno 2-ga, Yongsan-gu, Seoul 04376, Korea
Tel: +82-2-2077-1414 Fax: +82-2-2077-1472
E-mail: kips@kips.or.kr Homepage: http://jips-k.org

Publication Date February 28, 2025

This is an Open Access article distributed under the terms of the Creative Commons Attribution Non-Commercial License.
All publications of JIPS are indexed in ESCI, Scopus, DOI, EI Compendex, KCI, DBLP, EBSCO, Google, and Google scholar and are also selected as the Journal for Accreditation by the National Research Foundation of Korea.
It is printed on acid-free paper.

Copyright © 2025 KIPS. All right reserved.

kips Korea Information Processing Society