

Table of Contents

International Journal of Ambient Computing and Intelligence

Volume 12 • Issue 4 • October-December-2021 • ISSN: 1941-6237 • eISSN: 1941-6245

RESEARCH ARTICLES

- 1 **Deep Self-Organizing Map Neural Networks for Plantar Pressure Image Segmentation Employing Marr-Hildreth Features**
Jianlin Han, Glorious Sun Guangdong School of Fashion, Huizhou University, Huizhou, China & Huidong Shoes Science and Technology Innovation Center, Huizhou, China
Dan Wang, Tianjin Key Laboratory of Process Measurement and Control, School of Electrical Engineering and Automation, Tianjin University, China
Zairan Li, Wenzhou Polytechnic, Wenzhou, China & Tianjin Key Laboratory of Process Measurement and Control, School of Electrical Engineering and Automation, Tianjin University, China & Glorious Sun Guangdong School of Fashion, Huizhou University, Huizhou, China
Fuqian Shi, Rutgers Cancer Institute of New Jersey, New Brunswick, USA
- 22 **Cooperative Channel Selection With Q-Reinforcement Learning and Power Distribution in Cognitive Radio Networks**
Sopan A. Talekar, PDA College of Engineering, India
Sujatha P. Terdal, PDA College of Engineering, India
- 43 **Intelligent Water Quality Monitoring System Based on Multi-Sensor Data Fusion Technology**
Qiuxia Liu, Heze University, China
- 64 **Development of Fuzzy Pattern Recognition Model for Underground Metal Mining Method Selection**
Bhanu Chander Balusa, Vellore Institute of Technology, Chennai, India
Amit Kumar Gorai, National Institute of Technology, Rourkela, India
- 79 **Spatial-Temporal Feature-Based Sports Video Classification**
Zengkai Wang, Jiaxing University, China
- 98 **Modeling and Analysis of Data Prediction Technique Based on Linear Regression Model (DP-LRM) for Cluster-Based Sensor Networks**
Arun Agarwal, Guru Gobind Singh Indraprastha University, India
Khushboo Jain, DIT University, India
Amita Dev, Indira Gandhi Delhi Technical University for Women, India
- 118 **Heterogeneous Influence Maximization Through Community Detection in Social Networks**
Jaya Krishna Raguru, Manipal University, Jaipur, India
Devi Prasad Sharma, Manipal University, Jaipur, India
- 132 **Advancement of IoT System QoS by Integrating Cloud, Fog, Roof, and Dew Computing Assisted by SDN: Basic Framework Architecture and Simulation**
Ishtiaq Ahammad, Noakhali Science and Technology University, Bangladesh
Md. Ashikur Rahman Khan, Noakhali Science and Technology University, Bangladesh
Zayed-Us Salehin, Noakhali Science and Technology University, Bangladesh

OPEN ACCESS ARTICLE

- 154 **Crime Detection and Criminal Recognition to Intervene in Interpersonal Violence Using Deep Convolutional Neural Network With Transfer Learning**
Mohammad Reduanul Haque, Daffodil International University, Bangladesh
Rubaiya Hafiz, Daffodil International University, Bangladesh
Alauddin Al Azad, Daffodil International University, Bangladesh
Yeasir Adnan, Daffodil International University, Bangladesh
Sharmin Akter Mishu, Daffodil International University, Bangladesh
Amina Khatun, Jahangirnagar University, Bangladesh
Mohammad Shorif Uddin, Jahangirnagar University, Bangladesh

Copyright

The *International Journal of Ambient Computing and Intelligence (IJACI)* (ISSN 1941-6237; eISSN 1941-6245), Copyright © 2021 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The *International Journal of Ambient Computing and Intelligence* is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; Compendex (Elsevier Engineering Index); DBLP; GetCited; Google Scholar; INSPEC; JournalTOCs; MediaFinder; SCOPUS; The Standard Periodical Directory; UGC-CARE List (India); Ulrich's Periodicals Directory