

Table of Contents

International Journal of Information System Modeling and Design

Volume 12 • Issue 1 • January-March-2021 • ISSN: 1947-8186 • eISSN: 1947-8194

GUEST EDITORIAL PREFACE

- iv **Special Issue on Innovations in System Design and Methodologies**
Anuj Kumar Gupta, CGC College of Engineering, Mohali, India
Sunil Kumar Chawla, CGC College of Engineering, Mohali, India
Florin Popentiu Vladicescu, University Politehnica of Bucharest, Romania

RESEARCH ARTICLES

- 1 **Plant Leaf Disease Detection Using CNN Algorithm**
Deepalakshmi P., Kalasalingam Academy of Research and Education, India
Prudhvi Krishna T., Kalasalingam Academy of Research and Education, India
Siri Chandana S., Kalasalingam Academy of Research and Education, India
Lavanya K., Kalasalingam Academy of Research and Education, India
Parvathaneni Naga Srinivasu, Anil Neerukonda Institute of Technology and Sciences, India
- 22 **Power-Aware Mechanism for Scheduling Scientific Workflows in Cloud Environment**
Kirankumar V. Kataraki, M.S. Ramaiah Institute of Technology, Visvesvaraya Technological University, India & KLE Dr. M.S. Sheshgiri College of Engineering and Technology, India
Sumana Maradithaya, Department of ISE, M.S. Ramaiah Institute of Technology, Visvesvaraya Technological University, India
- 39 **Robustness for Authentication of the Human Using Face, Ear, and Gait Multimodal Biometric System**
Law Kumar Singh, Hindustan College of Science and Technology, Mathura, India
Munish Khanna, Hindustan College of Science and Technology, Mathura, India
Shankar Thawkar, Hindustan College of Science and Technology, Mathura, India
Jagadeesh Gopal, Vellore Institute of Technology, Vellore, India
- 73 **Estimation of Target Defect Prediction Coverage in Heterogeneous Cross Software Projects**
Rohit Vashisht, Jamia Millia Islamia, India
Syed Afzal Murtaza Rizvi, Jamia Millia Islamia, India
- 94 **Identifying Non-Performing Students in Higher Educational Institutions Using Data Mining Techniques**
Deepti Aggarwal, Jaipur National University, Jaipur, India
Sonu Mittal, Jaipur National University, Jaipur, India
Vikram Bali, JSS Academy of Technical Education, Noida, India
- 111 **Proposal of Iterative Genetic Algorithm for Test Suite Generation**
Ankita Bansal, Netaji Subhas University of Technology, India
Abha Jain, Delhi University, India
Abhijeet Anand, Netaji Subhas Institute of Technology, India
Swatantra Annk, Netaji Subhas Institute of Technology, India
- 131 **Comparative Analysis of Intelligent Driving and Safety Assistance Systems Using YOLO and SSD Model of Deep Learning**
Nidhi Sindhwani, Amity School of Engineering and Technology, Amity University, Delhi, India
Shekhar Verma, Amity School of Engineering and Technology, Amity University, Delhi, India
Tushar Bajaj, Amity School of Engineering and Technology, Amity University, Delhi, India
Rohit Anand, G.B. Pant Engineering College, Delhi, India

Copyright

The **International Journal of Information System Modeling and Design (IJISMD)** (ISSN 1947-8186; eISSN 1947-8194), 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 Information System Modeling and Design* is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; Compendex (Elsevier Engineering Index); DBLP; Google Scholar; INSPEC; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; SCOPUS; The Index of Information Systems Journals; The Standard Periodical Directory; UGC-CARE List (India); Ulrich's Periodicals Directory; Web of Science; Web of Science Emerging Sources Citation Index (ESCI)