

Table of Contents

Journal of Cases on Information Technology

Volume 23 • Issue 2 • April-June-2021 • ISSN: 1548-7717 • eISSN: 1548-7725

Guest Editorial Preface

v Special Issue of Networking, Remote Sensing, and Machine Learning Applications for Environments

Osamah Ibrahim Khalaf, Department of Information Engineering, Al-Nahrain University, Baghdad, Iraq
K. Martin Sagayam, Department of ECE, Karunya Institute of Technology and Sciences, Coimbatore, India
Abdelli Mohammed El Amine, Department of Law, University of Salamanca, Spain
L. Arun Raj, Department of Computer Science and Engineering, B. S. Abdur Rahman Crescent Institute of Science and Technology, Chennai, India

Open Access Article

1 A Credit-Based System for Traffic Routing in Support of Vehicular Networks

Ammar Kamel, Computer Department, College of Medicine, Al-Mustansiriyah University, Iraq
Maysaa Husam, Computer Department, College of Medicine, Al-Mustansiriyah University, Iraq
Zaid Shafeeq Bakr, College of Information Engineering, Al-Nahrain University, Iraq
Ziad M. Abood, College of Education, Al-Mustansiriyah University, Iraq

12 Implementation of E-Learning Functions With the Use of Information Systems Architecture

Mohammed Khaleel Hussein, Scholarships and Cultural Relations Directorate, Ministry of Higher Education and Scientific Research, Iraq
Raffat Izzat Saheel, Directorate General of Education in Diyala, Iraq
Ali Jumaah Ali, Ministry of Higher Education and Scientific Research, Iraq

26 434 MHz Environmentally Safe Monitoring Schema for Vehicular Network by AI-ML-IoT Technologies

Jeba Kumar R. J. S., Karunya Institute of Technology and Sciences, India
Roopa Jayasingh J., Karunya Institute of Technology and Sciences, India

39 Data Compression and Encryption for Remote Sensor Networks Using Different Techniques Methods

Mahmood Ali Ahmed, College of Al Shirqat Engineering, Tikrit University, Tikrit, Iraq
Khamees Khalaf Hasan, College of Al Shiirqat Engineering, Tikrit University, Tikrit, Iraq

50 The Impact of Environmental and Social Costs Disclosure on Financial Performance Mediating by Earning Management

Khalis Hasan Yousif Al-Naser, University of Mosul, Iraq
Hosam Alden Riyadh, Universitas Muhammadiyah Yogyakarta, Indonesia
Faeq Malallah Mahmood Albalaki, Bayan University, Iraq

65 Design of a Field Programmable Gate Array for Swarm Intelligent Controller Based on a Portable Robotic System: Review Study

Hanan A.R. Akkar, University of Technology, Iraq
Huthaifa Salman Khairy, University of Technology, Iraq

COPYRIGHT

The **Journal of Cases on Information Technology (JCIT)** (ISSN 1548-7717; eISSN 1548-7725), Copyright © 2021 IGI Global. From the journal's inception, January 1, 1999, to December 31, 2020, all rights, including translation into other languages is reserved by the publisher, unless otherwise stated in the article manuscript. As of January 1, 2021, this journal operates under the gold Open Access model, whereby all content published after this date is distributed under the terms of the Creative Commons Attribution 4.0 International (CC BY 4.0) License (<http://creativecommons.org/licenses/by/4.0/>) where copyright for the work remains solely with the author(s) of the article manuscript. 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 *Journal of Cases on Information Technology* is indexed or listed in the following: ABI/Inform; ACM Digital Library; Aluminium Industry Abstracts; Australian Business Deans Council (ABDC); Cabell's Directories; Ceramic Abstracts; Compendex (Elsevier Engineering Index); Computer & Information Systems Abstracts; Corrosion Abstracts; CSA Civil Engineering Abstracts; CSA Illumina; CSA Mechanical & Transportation Engineering Abstracts; DBLP; DEST Register of Refereed Journals; Electronics & Communications Abstracts; Engineered Materials Abstracts; Gale Directory of Publications & Broadcast Media; GetCited; Google Scholar; Information Science Abstracts; INSPEC; JournalTOCs; KnowledgeBoard; Library & Information Science Abstracts (LISA); Materials Business File - Steels Alerts; MediaFinder; Norwegian Social Science Data Services (NSD); PubList.com; SCOPUS; Solid State & Superconductivity Abstracts; The Index of Information Systems Journals; The Informed Librarian Online; The Standard Periodical Directory; UGC-CARE List (India); Ulrich's Periodicals Directory; Web of Science; Web of Science Emerging Sources Citation Index (ESCI)