Table of Contents

International Journal of Software Innovation

Volume 8 • Issue 1 • January-March-2020 • ISSN: 2166-7160 • eISSN: 2166-7179

Research Articles

1 The Evaluation of Computer Algebra Systems Using Fuzzy Multi-Criteria Decision-Making Models: Fuzzy AHP and Fuzzy TOPSIS

Ilham Huseyinov, Istanbul Aydin University, Istanbul, Turkey Feride Savaroglu Tabak, European University of Lefke, Lefka, Cyprus

17 An Approach for the Transformation and Verification of BPMN Models to Colored Petri Nets Models

Said Meghzili, MISC Laboratory, Computer Science Department, University of Constantine 2-Abdelhamid Mehri, Constantine, Algeria

Allaoua Chaoui, University of Constantine 2, Constantine, Algeria Martin Strecker, IRIT, Toulouse University, Toulouse, France Elhillali Kerkouche, Mohammed Seddik Ben Yahia University, Jijel, Algeria

50 Automatic Correction of Free Format MCQ Tests

Muaaz Habeek, University of Abdelhamid Mehri - Constantine 2, Constantine, Algeria Charaf Eddine Dridi, University of Abdelhamid Mehri - Constantine 2, Constantine, Algeria Mohamed Badeche, University of Abdelhamid Mehri - Constantine 2, Constantine, Algeria

65 Dynamic Management of Resources in Cloud Computing

Pradeep Kumar Tiwari, Manipal University Jaipur, Jaipur, India Sandeep Joshi, Manipal University Jaipur, Jaipur, India

82 Use of Purpose and Role Based Access Control Mechanisms to Protect Data Within RDBMS

Suraj Krishna Patil, D.K.T.E. Society's Textile and Engineering Institute, Ichalkaranji, India Sandipkumar Chandrakant Sagare, D.K.T.E. Society's Textile and Engineering Institute, Ichalkaranji, India Alankar Shantaram Shelar, D.K.T.E. Society's Textile and Engineering Institute, Ichalkaranji, India

92 Visitor Design Pattern Using Reflection Mechanism

Bilal Hussein, Lebanese University, Beirut, Lebanon Aref Mehanna, Lebanese University, Beirut, Lebanon Yahia Rabih, Lebanese University, Beirut, Lebanon

COPYRIGHT

The International Journal of Software Innovation (IJSI) (ISSN 2166-7160; eISSN 2166-7179), Copyright © 2020 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 Software Innovation is indexed or listed in the following: ACM Digital Library; Cabell's Directories; DBLP; Google Scholar; INSPEC; MediaFinder; SCOPUS; The Standard Periodical Directory; Ulrich's Periodicals Directory; Web of Science; Web of Science Emerging Sources Citation Index (ESCI)