

# Table of Contents

## International Journal of Software Innovation

Volume 7 • Issue 4 • October-December-2019 • ISSN: 2166-7160 • eISSN: 2166-7179

*An official publication of the Information Resources Management Association*

### Research Articles

- 1      **Towards Deep Learning-Based Approach for Detecting Android Malware**  
Jarrett Booz, Towson University, Towson, USA  
Josh McGiff, Towson University, Towson, USA  
William G. Hatcher, Towson University, Towson, USA  
Wei Yu, Towson University, Towson, USA  
James Nguyen, Towson University, Towson, USA  
Chao Lu, Towson University, Towson, USA
  
- 25     **Mutation Testing for Evaluating PHP Web Applications**  
Ahmad A. Saifan, Computer Information Systems Department, Faculty of IT, Yarmouk University, Irbid, Jordan  
Mahmoud Bani Ata, Yarmouk University, Irbid, Jordan
  
- 51     **Fruit Image Classification Using Convolutional Neural Networks**  
Shawon Ashraf, North South University, Dhaka, Bangladesh  
Ivan Kadery, North South University, Dhaka, Bangladesh  
Md Abdul Ahad Chowdhury, North South University, Dhaka, Bangladesh  
Tahsin Zahin Mahbub, North South University, Dhaka, Bangladesh  
Rashedur M. Rahman, North South University, Dhaka, Bangladesh
  
- 71     **Approximate Algorithm for Solving the General Problem of Scheduling Theory With High Accuracy**  
Vardan Mkrtchian, HHH University, Brisbane, Australia  
Safwan Al Salameh, Aqaba University of Technology, Aqaba, Jordan
  
- 86     **Generalized Multi-Release Framework for Fault Prediction in Open Source Software**  
Shozab Khurshid, University of Kashmir, Srinagar, India  
A.K. Shrivastava, International Management Institute, Kolkata, West Bengal, India  
Javaid Iqbal, University of Kashmir, Srinagar, India

### COPYRIGHT

The **International Journal of Software Innovation (IJSI)** (ISSN 2166-7160; eISSN 2166-7179), Copyright © 2019 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)