Table of Contents

International Journal of Distributed Systems and Technologies
Volume 9 • Issue 2 • April-June-2018 • ISSN: 1947-3532 • eISSN: 1947-3540
An official publication of the Information Resources Management Association

Research Articles

1  A Novel Hybrid Algorithm Based on Firefly Algorithm and Differential Evolution for Job Scheduling in Computational Grid
Tarun Kumar Ghosh, Haldia Institute of Technology, Haldia, India
Sanjoy Das, Kalyani University, Kalyani, India

16  A Proposal for Information Systems Security Monitoring Based on Large Datasets
Hai Van Pham, Hanoi University of Science and Technology, Hanoi, Vietnam
Philip Moore, Lanzhou University, Lanzhou, P.R. China

27  Evaluating the Java Native Interface (JNI): Data Types and Strings
Stelios Sotiriadis, The Edward Rogers Sr. Department of Electrical and Computer Engineering, University of Toronto, Toronto, Canada
Oladotun Omosebi, Department of Computer Science, Edge Hill University, Lancashire, UK
Assem Ayapbergenova, Department of Information Technologies, Satbayev University, Almaty, Kazakhstan
Nurbek P. Saparkhojayev, Department of Information Technologies, Satbayev University, Almaty, Kazakhstan

39  Evaluating the Java Native Interface (JNI): Leveraging Existing Native Code, Libraries and Threads to a Running Java Virtual Machine
Stelios Sotiriadis, The Edward Rogers Sr. Department of Electrical and Computer Engineering, University of Toronto, Toronto, Canada
Oladotun Omosebi, Department of Computer Science, Edge Hill University, Lancashire, UK
Assem Ayapbergenova, Department of Information Technologies, Satbayev University, Almaty, Kazakhstan
Nurbek P. Saparkhojayev, Department of Information Technologies, Satbayev University, Almaty, Kazakhstan

COPYRIGHT
The International Journal of Distributed Systems and Technologies (IJDST) (ISSN 1947-3532; eISSN 1947-3540), Copyright © 2018 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 Distributed Systems and Technologies 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); Linguistics & Language Behavior Abstracts (LLBA); MediaFinder; SCOPUS; The Standard Periodical Directory; Ulrich’s Periodicals Directory; Web of Science; Web of Science Emerging Sources Citation Index (ESCI)