

Table of Contents

International Journal of Information System Modeling and Design

Volume 8 • Issue 1 • January-March-2017 • ISSN: 1947-8186 • eISSN: 1947-8194

An official publication of the Information Resources Management Association

Special Issue on Model-Driven Development of Enterprise Software Systems

Guest Editorial Preface

v António Miguel Rosado da Cruz, Instituto Politécnico de Viana do Castelo, Viana do Castelo, Portugal

Research Articles

1 A Formal Framework for Scalable Component-Based Systems

Chafia Bouanaka, LIRE Laboratory, University of Constantine2-Abdelhamid Mehri, Constantine, Algeria
Ahmed Amar Debza, LIRE Laboratory, University of Constantine2-Abdelhamid Mehri, Constantine, Algeria
Faiza Belala, LIRE Laboratory, University of Constantine2-Abdelhamid Mehri, Constantine, Algeria
Nadia Zeghib, LIRE Laboratory, University of Constantine 2- Abdelhamid Mehri, Constantine, Algeria

24 A Semantic Approach to Deploying Product-Service Systems

Robert Andrei Buchmann, Business Informatics Research Center, Babeş-Bolyai University, Cluj Napoca, Romania
Dimitris Karagiannis, Knowledge Engineering Research Group, University of Vienna, Vienna, Austria

43 Combining Model Inference and Passive Testing in the Same Framework to Test Industrial Systems

Sebastien Salva, University Clermont Auvergne, Aubriere, France
William Durand, Michelin/LIMOS/TailorDev, Clermont-Ferrand, France

COPYRIGHT

The **International Journal of Information System Modeling and Design (IJISMD)** (ISSN 1947-8186; eISSN 1947-8194), Copyright © 2017 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; Ulrich's Periodicals Directory; Web of Science; Web of Science Emerging Sources Citation Index (ESCI)