

# International Journal of Information System Modeling and Design

October-December 2014, Vol. 5, No. 4

## Table of Contents

### RESEARCH CHALLENGES IN INFORMATION SCIENCE (RCIS' 2013)

#### GUEST EDITORIAL PREFACE

- iv    *Roel Wieringa, Information Systems Group, University of Twente, Enschede, Netherlands*  
      *Selmin Nurcan, Center for Computer Research, University Paris 1 Panthéon-Sorbonne, Paris, France*

#### RESEARCH ARTICLES

- 1    **A Proposal to Elicit Usability Requirements within a Model-Driven Development Environment**  
      *Yeshica Isela Ormeño, Centro de Investigación en Métodos de Producción de Software (PROS), Universitat Politècnica de València, Valencia, Spain*  
      *Jose Ignacio Panach, Escola Tècnica Superior d'Enginyeria, Departament d'Informàtica, Universitat de València*  
      *Nelly Condori-Fernández, Centro de Investigación en Métodos de Producción de Software (PROS), Universitat Politècnica de València, Valencia, Spain and Computer Science, University of Twente, Enschede, Netherlands*  
      *Óscar Pastor, Centro de Investigación en Métodos de Producción de Software (PROS), Universitat Politècnica de València, Valencia, Spain*
- 22    **Intentional Process Mining: Discovering and Modeling the Goals Behind Processes using Supervised Learning**  
      *Rebecca Deneckère, Center for Computer Research, University Paris 1 Panthéon-Sorbonne, Paris, France*  
      *Charlotte Hug, Center for Computer Research, University Paris 1 Panthéon-Sorbonne, Paris, France*  
      *Ghazaleh Khodabandelou, Center for Computer Research, University Paris 1 Panthéon-Sorbonne, Paris, France*  
      *Camille Salinesi, Center for Computer Research, University Paris 1 Panthéon-Sorbonne, Paris, France*
- 48    **Responding to Ongoing Change: Challenges for Information Systems Modeling**  
      *Alexei Lapouchnian, Department of Computer Science, University of Toronto, Toronto, Canada*  
      *Eric Yu, Faculty of Information and Department of Computer Science, University of Toronto, Toronto, Canada*  
      *Stephanie Deng, Faculty of Information, University of Toronto, Toronto, Canada*
- 71    **Representing Micro-Business Requirements Patterns with Associated Software Components**  
      *RJ Macasaet, Department of Software Research and Development, Pentathlon Systems Resources Inc., Manila, Philippines*  
      *Manuel Noguera, Department of Computer Languages and Systems, University of Granada, Granada, Spain*  
      *Maria Luisa Rodriguez, Department of Computer Languages and Systems, University of Granada, Granada, Spain*  
      *José Luis Garrido, Department of Computer Languages and Systems, University of Granada, Granada, Spain*  
      *Sam Supakkul, Applications Architecture, Sabre Inc., Southlake, TX, USA*  
      *Lawrence Chung, Department of Computer Science, University of Texas at Dallas, Richardson, TX, USA*
- 91    **Document Model and Prototyping Methods for Web Engineering**  
      *Jean-Marc Lecarpentier, Department of Computer Science, University of Caen Lower Normandy, Caen, France*  
      *Hervé Le Crosnier, Department of Computer Science, University of Caen Lower Normandy, Caen, France*  
      *Romain Brixtel, Department of Computer Science, University of Caen Lower Normandy, Caen, France*  
      *Cyril Bazin, Department of Computer Science, University of Caen Lower Normandy, Caen, France*

#### Copyright

The **International Journal of Information System Modeling and Design (IJISMD)** (ISSN 1947-8186; eISSN 1947-8194), Copyright © 2014 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; 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