

Table of Contents

International Journal of Knowledge and Systems Science

Volume 7 • Issue 1 • January-March-2016 • ISSN: 1947-8208 • eISSN: 1947-8216

An official publication of the Information Resources Management Association

Special Issue on Semantic Technologies for Decision Making

Guest Editorial Preface

IV Rossitza Setchi, Knowledge Engineering Systems, Cardiff University, Cardiff, UK

Cecilia Zanni-Merk, ICube Laboratory and INSA de Strasbourg, Strasbourg, France

Research Articles

1 Hybrid Fuzzy-Ontological Project Framework of a Team Work Simulation System

Pawel Kaplanski, Gdansk University of Technology, Gdansk, Poland

Cezary Orłowski, Gdansk University of Technology, Gdansk, Poland

Irena Bach-Dąbrowska, Gdansk University of Technology, Gdansk, Poland

Włodzimierz Wysocki, Koszalin University of Technology, Koszalin, Poland

25 The Conceptual MADE Framework for Pervasive and Knowledge-Based Decision Support in Telemedicine

Nick L. S. Fung, University of Twente, Enschede, Netherlands

Valerie M. Jones, University of Twente, Enschede, Netherlands

Ing Widya, University of Twente, Enschede, Netherlands

Tom H. F. Broens, Academic Medical Center, Amsterdam, Netherlands

Nekane Larburu, University of Twente, Enschede, Netherlands

Richard G. A. Bults, University of Twente, Enschede, Netherlands

Erez Shalom, Ben-Gurion University of the Negev, Beer-Sheva, Israel

Hermie J. Hermens, Roessingh Research and Development, Enschede, Netherlands

40 From Finding to Explaining: Information Retrieval to Support Maritime Anomaly Analysis

Valentina Dragos, ONERA, The French Aerospace Lab, Palaiseau, France

COPYRIGHT

The **International Journal of Knowledge and Systems Science (IJKSS)** (ISSN 1947-8208; eISSN 1947-8216), Copyright © 2016 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.

56 Robot Task Planning in Deterministic and Probabilistic Conditions Using Semantic Knowledge Base

Ahmed Abdulhadi Al-Moadhen, Cardiff University, Cardiff, UK

Michael Packianather, School of Engineering, Cardiff University, Cardiff, UK

Rossitza Setchi, School of Engineering, Cardiff University, Cardiff, UK

Renxi Qiu, Department of Computer Science and Technology, University of Bedfordshire, Bedfordshire, UK

78 Ontologies to Lead Knowledge Intensive Evolutionary Algorithms: Principles and Case Study

Carlos Adrian Catania, University of Strasbourg, Strasbourg, France

Cecilia Zanni-Merk, ICube Laboratory/INSA Strasbourg, Strasbourg, France

François de Beuvron, University of Strasbourg, Strasbourg, France

Pierre Collet, University of Strasbourg, Strasbourg, France

The *International Journal of Knowledge and Systems Science* 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; The Standard Periodical Directory; Ulrich's Periodicals Directory