

# INTERNATIONAL JOURNAL OF ROBOTICS APPLICATIONS AND TECHNOLOGIES

January-June 2013, Vol. 1, No. 1

## Table of Contents

### RESEARCH ARTICLES

- 1 **Should We Program Robotic Emotions from the Gender Perspective?**  
*Mercedes García-Ordaz, University of Huelva, Huelva, Spain*  
*Rocío Carrasco-Carrasco, University of Huelva, Huelva, Spain*  
*Francisco José Martínez-López, University of Huelva, Huelva, Spain*
  
- 14 **Towards a Bio-Inspired Theoretical Linguistics to Model Man-Machine Communication**  
*Gemma Bel-Enguix, Laboratoire d'Informatique Fondamentale, CNRS-Aix-Marseille University, Marseille, France*  
*M. Dolores Jiménez-López, Research Group on Mathematical Linguistics, Universitat Rovira i Virgili, Tarragona, Spain*
  
- 29 **Ambient Activity Recognition in Smart Environments for Cognitive Assistance**  
*Patrice C. Roy, ICube Laboratory, University of Strasbourg, Strasbourg, France*  
*Bruno Bouchard, LIARA Laboratory, Université du Québec à Chicoutimi, Chicoutimi, QC, Canada*  
*Abdenour Bouzouane, LIARA Laboratory, Université du Québec à Chicoutimi, Chicoutimi, QC, Canada*  
*Sylvain Giroux, DOMUS Laboratory, Université de Sherbrooke, Sherbrooke, QC, Canada*
  
- 57 **Core Methodologies in Data Warehouse Design and Development**  
*James Yao, Department of Information & Operations Management, Montclair State University, Montclair, NJ, USA*  
*John Wang, Department of Information & Operations Management, Montclair State University, Montclair, NJ, USA*  
*Qiyang Chen, Department of Information & Operations Management, Montclair State University, Montclair, NJ, USA*  
*Ruben Xing, Department of Information & Operations Management, Montclair State University, Montclair, NJ, USA*

### Copyright

The *International Journal of Robotics Applications and Technologies (IJRAT)* (ISSN 2166-7195; eISSN 2166-7209), Copyright © 2013 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.

IJRAT is indexed or listed in the following: Cabell's Directories; INSPEC; MediaFinder; The Standard Periodical Directory; Ulrich's Periodicals Directory