

Table of Contents

International Journal of Artificial Life Research

Volume 6 • Issue 2 • July-December-2016 • ISSN: 1947-3087 • eISSN: 1947-3079

An official publication of the Information Resources Management Association

Special Issue on Social Robotics

Guest Editorial Preface

- V Kazuo Kiguchi, Department of Mechanical Engineering, Kyushu University, Fukuoka, Japan
Maki Habib, Department of Mechanical Engineering, The American University in Cairo, New Cairo, Egypt
Takahiro Takeda, Department of Mechanical System Engineering, Daiichi Institute of Technology, Kagoshima, Japan

Research Articles

- 1 **A Principled Framework for General Adaptive Social Robotics**
Seng-Beng Ho, Institute of High Performance Computing, A*Star, Singapore
- 23 **Human-Robot Interaction Design Using Smart Device Based Robot Partner**
Jinseok Woo, Tokyo Metropolitan University, Tokyo, Japan
Naoyuki Kubota, Tokyo Metropolitan University, Tokyo, Japan
- 44 **An Autonomous Robot-to-Group Exercise Coach at a Senior Living Community: A Study in Human-Robot Interaction**
Lundy Lewis, Southern New Hampshire University, Manchester, NH, USA
Ted Metzler, Oklahoma City University, Oklahoma City, OK, USA
Linda Cook, Oklahoma City University, Oklahoma City, OK, USA
- 63 **Topological Gaussian ARTs with Short-Term and Long-Term Memory for Map Building and Fuzzy Motion Planning**
Chin Wei Hong, Graduate School of System Design, Tokyo Metropolitan University, Tokyo, Japan
Loo Chu Kiong, Faculty of Computer Science and Information Technology, University of Malaya, Kuala Lumpur, Malaysia
Kubota Naoyuki, Graduate School of System Design, Tokyo Metropolitan University, Tokyo, Japan
- 88 **Decision Making Under Multi Task Based on Priority for Each Task**
Takuya Masaki, Muroran Institute of Technology, Muroran, Japan
Kentarou Kurashige, Muroran Institute of Technology, Muroran, Japan

COPYRIGHT

The **International Journal of Artificial Life Research (IJALR)** (ISSN 1947-3087; eISSN 1947-3079), 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.

The *International Journal of Artificial Life Research* is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; DBLP; Google Scholar; INSPEC; JournalTOCs; MediaFinder; The Standard Periodical Directory; Ulrich's Periodicals Directory