

International Journal of Intelligent Mechatronics and Robotics

July-September 2013, Vol. 3, No. 3

Table of Contents

RESEARCH ARTICLES

- 1 Experimental System Identification, Feed-Forward Control, and Hysteresis Compensation of a 2-DOF Mechanism**
Umesh Bhagat, Robotics and Mechatronics Research Laboratory (RMRL), Department of Mechanical and Aerospace Engineering, Monash University, Clayton, Victoria, Australia
Bijan Shirinzadeh, Robotics and Mechatronics Research Laboratory (RMRL), Department of Mechanical and Aerospace Engineering, Monash University, Clayton, Victoria, Australia
Leon Clark, Robotics and Mechatronics Research Laboratory (RMRL), Department of Mechanical and Aerospace Engineering, Monash University, Clayton, Victoria, Australia
Yanding Qin, Tianjin Key Laboratory of Intelligent Robotics, Nankai University, Tianjin, China
Yanling Tian, School of Mechanical Engineering, Tianjin University, Tianjin, China
Dawei Zhang, School of Mechanical Engineering, Tianjin University, Tianjin, China
- 22 Automatized Decision Making for Autonomous Agents**
Love Ekenberg, Department of Computer and Systems Sciences, Stockholm University, Stockholm, Sweden
Mats Danielson, Department of Computer and Systems Sciences, Stockholm University, Stockholm, Sweden
- 29 Computing Nash Equilibria in Non-Cooperative Games: An Agent-Based approach**
Alfredo Garro, Department of Informatics, Modeling, Electronics and Systems Engineering (DIMES), University of Calabria, Rende CS, Italy
- 43 SensFloor® and NaviFloor®: Robotics Applications for a Large-Area Sensor System**
Axel Steinhage, Future-Shape GmbH, Hoehenkirchen-Siegersbrunn, Germany
Christl Lauterbach, Future-Shape GmbH, Hoehenkirchen-Siegersbrunn, Germany
- 60 A Robot for Cell Injection: Modeling, Design and Experimental Validation**
K. Kostadinov, Institute of Mechanics, Bulgarian Academy of Sciences, Sofia, Bulgaria
D. Chakarov, Institute of Mechanics, Bulgarian Academy of Sciences, Sofia, Bulgaria
A. Shulev, Institute of Mechanics, Bulgarian Academy of Sciences, Sofia, Bulgaria
T. Tiankov, Institute of Mechanics, Bulgarian Academy of Sciences, Sofia, Bulgaria

Copyright

The **International Journal of Intelligent Mechatronics and Robotics (IJIMR)** (ISSN 2156-1664; eISSN 2156-1656), 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.

The *International Journal of Intelligent Mechatronics and Robotics* is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; DBLP; Google Scholar; INSPEC; JournalTOCs; MediaFinder; ProQuest Advanced Technologies & Aerospace Journals; ProQuest Computer Science Journals; ProQuest Engineering Journals; ProQuest Illustrata: Technology; ProQuest SciTech Journals; ProQuest Technology Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory