International Journal of Cognitive Informatics and Natural Intelligence

July-September 2014, Vol. 8, No. 3

Table of Contents

EDITORIAL PREFACE

iv Yingxu Wang, University of Calgary, Calgary, Alberta, Canada

RESEARCH ARTICLES

- An Energy Computing Method Inspired from Visual Cognitive Function for Dynamic Behavioural Detection in Video Frames Zuojin Li, Chongqing University of Science and Technology, Chongqing, China Jun Peng, Chongqing University of Science and Technology, Chongqing, China Liukui Chen, Chongqing University of Science and Technology, Chongqing, China Chen Gui, Chongqing University of Science and Technology, Chongqing, China Lei Song, Department of Computing, Unitec Institute of Technology, Mount Albert, New Zealand
- 3 Covert Visual Search: Revisiting the Guided Search Paradigm Ulrich Engelke, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Sandy Bay, Australia Andreas Duenser, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Sandy Bay, Australia Anthony Zeater, University of Sydney, Sydney, Australia
- Big Data Analytics on the Characteristic Equilibrium of Collective Opinions in Social Networks Yingxu Wang, International Institute of Cognitive Informatics and Cognitive Computing (ICIC), University of Calgary, Calgary, Alberta, Canada Victor J. Wiebe, International Institute of Cognitive Informatics and Cognitive Computing (ICIC), University of Calgary, Calgary, Alberta, Canada
- 45 A Chaotic Complexity Measure for Cognitive Machine Classification of Cyber-Attacks on Computer Networks

 Muhammad Salman Khan, Department of Electrical and Computer Engineering, University of Manitoba, Winnipeg, MB, Canada

 Ken Ferens, Department of Electrical and Computer Engineering, University of Manitoba, Winnipeg, MB, Canada

 Witold Kinsner, Department of Electrical and Computer Engineering, University of Manitoba, Winnipeg, MB, Canada
- A Formal Model for Metacognitive Reasoning in Intelligent Systems

 Manuel F. Caro, Departamento de Informática Educativa, Universidad de Córdoba, Montería, Montería, Colombia

 Darsana P. Josyula, Department of Computer Science, Bowie State University, Bowie, MD, USA

 Jovani A. Jiménez, Departamento de Ciencias de la Computación y la Decisión, Universidad Nacional de Colombia, Medellín, Medellín, Colombia

Copyright

The International Journal of Cognitive Informatics and Natural Intelligence (IJCINI) (ISSN 1557-3958; eISSN 1557-3966), 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 Cognitive Informatics and Natural Intelligence is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; Compendex (Elsevier Engineering Index); CSA Illumina; DBLP; Gale Directory of Publications & Broadcast Media; GetCited; Google Scholar; INSPEC; JournalTOCs; MediaFinder; PsycINFO®; SCOPUS; The Index of Information Systems Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory