Table of Contents

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

RESEARCH ARTICLES
1 Modeling Self-Efficacy as a Dynamic Cognitive Process with the Computational-Unified Learning Model (C-ULM): Implications for Cognitive Informatics and Cognitive Computing
Duane F. Shell, Department of Educational Psychology, University of Nebraska-Lincoln, Lincoln, NE, USA
Leen-Kiat Soh, Department of Computer Science and Engineering, University of Nebraska-Lincoln, Lincoln, NE, USA
Vlad Chiriacescu, 1&1 Internet Development, Bucharest, Romania

25 Information Conversion with Intelligence Creation: The Law that Governs the Information Discipline
Yixin Zhong, Beijing University of Posts and Telecommunications, Beijing, China

42 On the Mathematical Theories and Cognitive Foundations of Information
Yingxu Wang, International Institute of Cognitive Informatics and Cognitive Computing (ICIC), Laboratory for Computational Intelligence, Cognitive Systems, and Software Science, Department of Electrical and Computer Engineering, Schulich School of Engineering and Hotchkiss Brain Institute, University of Calgary, Calgary, Alberta, Canada

65 Hybridization of Social Spiders and Extractions Techniques for Automatic Text Summaries
Mohamed Amine Boudia, Department of Computer Science, Laboratory Knowledge Management and Complex Data (GeCoDe Lab), Dr. Moulay Tahar University Saida, Saida, Algeria
Reda Mohamed Hamou, Department of Computer Science, Laboratory Knowledge Management and Complex Data (GeCoDe Lab), Dr. Moulay Tahar University Saida, Saida, Algeria
Abdelmalek Amine, Department of Computer Science, Laboratory Knowledge Management and Complex Data (GeCoDe Lab), Dr. Moulay Tahar University Saida, Saida, Algeria
Mohamed Elhadi Rahmani, Department of Computer Science, Laboratory Knowledge Management and Complex Data (GeCoDe Lab), Dr. Moulay Tahar University Saida, Saida, Algeria
Amine Rahmani, Department of Computer Science, Laboratory Knowledge Management and Complex Data (GeCoDe Lab), Dr. Moulay Tahar University Saida, Saida, Algeria

87 Mining Conflict Semantic from Drug Dataset for Detecting Drug Conflict
Shunxiang Zhang, Anhui University of Science and Technology, Huainan, China
Guangli Zhu, Anhui University of Science and Technology, Huainan, China
Haiyan Chen, East China University of Political Science and Law, Shanghai, China
Dayu Yang, Anhui University of Science and Technology, Huainan, China

Copyright
The International Journal of Cognitive Informatics and Natural Intelligence (IJCIIN) (ISSN 1557-3958; eISSN 1557-3966), Copyright © 2015 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