Table of Contents

International Journal of Cognitive Informatics and Natural Intelligence

Volume 10 • Issue 4 • October-December-2016 • ISSN: 1557-3958 • eISSN: 1557-3966

An official publication of the Information Resources Management Association

Research Articles

1 Cognitive Intelligence: Deep Learning, Thinking, and Reasoning by Brain-Inspired Systems
Yingxu Wang, Schulich School of Engineering and Hotchkiss Brain Institute, University of Calgary, Calgary, Canada
Bernard Widrow, Stanford University, Stanford, CA, USA
Lotfi A. Zadeh, UC Berkeley, Berkeley, CA, USA
Newton Howard, University of Oxford, Oxford, UK
Sally Wood, Santa Clara University, Santa Clara, CA, USA
Virendrakumar C. Bhavsar, University of New Brunswick, Fredericton, Canada
Gerhard Budin, Vienna University, Vienna, Austria
Christine Chan, University of Regina, Regina, Canada
Rodolfo A. Fiorini, Politecnico di Milano University, Milano, Italy
Marina L. Gavriloiva, University of Calgary, Calgary, Canada
Duane F. Shell, University of Nebraska-Lincoln, Lincoln, NE, USA

21 Adaptive Multiobjective Memetic Optimization
Hieu V. Dang, University of Manitoba, Winnipeg, Canada
Witold Kinsner, University of Manitoba, Winnipeg, Canada

59 Natural Neighbor Reduction Algorithm for Instance-based Learning
Lijun Yang, Chongqing University, Chongqing, China
Qingsheng Zhu, Chongqing University, Chongqing, China
Jinlong Huang, Chongqing University, Chongqing, China
Dongdong Cheng, Chongqing University, Chongqing, China
Cheng Zhang, Chongqing University, Chongqing, China

74 Dimensional Music Emotion Recognition by Machine Learning
Junjie Bai, School of Electrical and Information Engineering, Chongqing University of Science and Technology, Chongqing, China & School of Instrument Science and Engineering, Southeast University, Nanjing, China
Lixiao Feng, School of Electrical and Information Engineering, Chongqing University of Science and Technology, Chongqing, China
Jun Peng, School of Electrical and Information Engineering, Chongqing University of Science and Technology, Chongqing, China
Jinliang Shi, School of Electrical and Information Engineering, Chongqing University of Science and Technology, Chongqing, China
Kan Luo, School of Information Science and Engineering, Fujian University of Technology, Fuzhou, China
Zuojin Li, School of Electrical and Information Engineering, Chongqing University of Science and Technology, Chongqing, China
Lu Liao, School of Electrical and Information Engineering, Chongqing University of Science and Technology, Chongqing, China
Yingxu Wang, Schulich School of Engineering and Hotchkiss Brain Institute, University of Calgary, Calgary, Canada