EDITORIAL PREFACE

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The 2014 IEEE International Conference on Cognitive Informatics and Cognitive Computing (ICCI*CC’14) will be held in London, UK in August, 2014. The theme of ICCI*CC’14 will be on “From Information Revolution to Intelligence Revolution”. The ICCI*CC series is fully sponsored by the IEEE Computer Society, IEEE Computational Intelligence Society, and ICIC.

IJCINI has been indexed in EI, DBLP, PsycINFO, CSA Illumina, CORE, and Google Scholar. IJCINI is well recognized in the fields of computing, artificial intelligence, and computational intelligence, as well as psychology, cognitive science, and brain science. A number of special issues in IJCINI will be organized on cognitive computing, neurocomputing, and computational intelligence. Submissions to these special issues in particular, and/or to the regular issues in general, are welcome.

The Editor-in-Chief would expect that readers of the International Journal of Cognitive Informatics and Natural Intelligence (IJCINI) will benefit from the papers presented in this issue in order to aware the recent advances in this field. The EIC would like to thank the authors, members of the board of editors, and invited reviewers for their great contributions to this issue. The EIC would like to acknowledge the publisher of IJSSCI, Ideal Group Global (IGI) Publishing, USA, and the editorial staff for their excellent professional support.

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Editor-in-Chief
IJCINI
Yingxu Wang is professor of denotational mathematics, cognitive informatics, software science, brain science, neuroinformatics, and cognitive computing. He is President of International Institute of Cognitive Informatics and Cognitive Computing (ICIC) and Director of Laboratory for Cognitive Informatics and Cognitive Computing in Dept. of Electrical and Computer Engineering at the University of Calgary. He is a founding Fellow of ICIC, a Fellow of WIF (UK), a P.Eng of Canada, a Senior Member of IEEE and ACM. He received a PhD in Software Engineering from the Nottingham Trent University, UK, and a BSc in Electrical Engineering from Shanghai Tiedao University. He has industrial experience since 1972 and has been a full professor since 1994. He was a visiting professor on sabbatical leaves in the Computing Laboratory at Oxford University in 1995, Dept. of Computer Science at Stanford University in 2008, the Berkeley Initiative in Soft Computing (BISC) Lab at University of California, Berkeley in 2008, and CSAIL at MIT (2012), respectively. He is the founder and steering committee chair of the annual IEEE International Conference on Cognitive Informatics and Cognitive Computing (ICCI*CC). He is Editor-in-Chiefs of Journal of Advanced Mathematics and Applications (JAMA), International Journal of Cognitive Informatics and Natural Intelligence (IJCINI), International Journal of Software Science and Computational Intelligence (IJSSCI), and Associate Editor of IEEE Trans. on System, Man, and Cybernetics: Systems. Dr. Wang is the initiator of a few cutting-edge research fields or subject areas such as Denotational Mathematics (i.e., concept algebra, inference algebra, semantic algebra, process algebra, system algebra, granular algebra, visual semantic algebra, and pseudo symbolic differentiation/integration); Cognitive Informatics (its theoretical framework, neuroinformatics, the layered reference model of the brain (LRMB), the mathematical model of consciousness, cognitive learning engine, and the neural circuit theory); Abstract Intelligence (αI, mathematical models of intelligence, theoretical foundations of brain science, cognitive robots); Cognitive Computing (such as cognitive computers, cognitive robots, cognitive agents, cognitive knowledge bases, and cognitive Internet); Software Science (on unified mathematical models and laws of software, cognitive complexity of software, automatic code generators, the coordinative work organization theory, and built-in tests (BITs)); Basic studies in Cognitive Linguistics (such as the cognitive linguistic framework, formal semantics of linguistics, mathematical model of abstract languages, deductive grammar of English, and the cognitive complexity of text comprehension). He has published over 160 peer reviewed journal papers, 230+ peer reviewed conference papers, and 25 books in denotational mathematics, cognitive informatics, cognitive computing, software science, and computational intelligence. He is the recipient of dozens international awards on academic leadership, outstanding contributions, best papers, and teaching in the last three decades.