EDITORIAL PREFACE

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Software Science (SS) is a discipline that studies the theoretical framework and denotational mathematics of software as instructive and behavioral information, which can be embodied and executed by generic computers in order to create expected system behaviors and machine intelligence. Intelligence science is a discipline that studies the mechanisms and theories of abstract intelligence and its paradigms such as natural, artificial, machinable, and computational intelligence. The convergence of software and intelligent sciences forms the transdisciplinary field of Computational Intelligence (CI), which provides a coherent set of fundamental theories, contemporary denotational mathematics, and engineering applications. Over the last decade, SS and CI have been established as an exciting research field. Significant research advances, theoretical breakthroughs, and engineering achievements in SS and CI have led to the establishment of the International Journal of Software Science and Computational Intelligence (IJSSCI) since 2009.

IJSSCI Vol. 7, No. 1 is a regular issue on cognitive informatics, abstract intelligence, neural informatics, cognitive computing, and computational intelligence. This issue encompasses five original research papers on: a) Feature and Rank Level Fusion for Privacy Preserved Multibiometric System; b) A New Biomimetic Method Based on the Power Saves of Social Bees for Automatic Summaries of Texts by Extraction; c) On the Incremental Union of Relations: A Key Property of General Systems Explained; d) A View on Fuzzy Minimal Open Sets and Fuzzy Maximal Open Sets; and e) Weighted Indication-based Similar Drug Sensing.

The Editor-in-Chief would like to take this opportunity to report that the International Institute of Cognitive Informatics and Cognitive Computing (ICIC) has formally established (http://www.ucalgary.ca/icic/), which is hosted at University of Calgary, Canada with Prof. Yingxu Wang as the founding president. Key member organizations include Harvard University, Stanford University, MIT, Brown University, University of California (Berkeley), University of Calgary, Tsinghua University, Peking University, Fudan University, Kyoto University, University of Rome, University of Toronto, and University of Vienna, etc. The 2015 IEEE 14th International Conference on Cognitive Informatics and Cognitive Computing (ICCI*CC’15) will be held at Tsinghua University, Beijing, China in July, 2015, which and the entire ICCI*CC series are fully sponsored by the IEEE Computer Society, IEEE Computational Intelligence Society, and ICIC.

IJSSCI has been indexed in DBLP, PsycINFO, CSA Illumina, CORE, RG, and Google Scholar. IJSSCI is well recognized in the fields of computing, software science, artificial intel-
Yingxu Wang is professor of cognitive informatics, brain science, software science, and denotational mathematics, President of International Institute of Cognitive Informatics and Cognitive Computing (ICIC, http://www.ucalgary.ca/icic/). He is a Fellow of ICIC, a Fellow of WIF (UK), a P.Eng of Canada, and a Senior Member of IEEE and ACM. He was visiting professor (on sabbatical leave) at Oxford University (1995), Stanford University (2008), UC Berkeley (2008), and MIT (2012), respectively. He received a PhD in Computer Science from the Nottingham Trent University in 1998 and has been a full professor since 1994. He is the founder and steering committee chair of the annual IEEE International Conference on Cognitive Informatics and Cognitive Computing (ICCI*CC) since 2002. He is founding Editor-in-Chief of Int. Journal of Cognitive Informatics & Natural Intelligence, founding Editor-in-Chief of Int. Journal of Software Science & Computational Intelligence, Associate Editor of IEEE Trans. on SMC - Systems, and Editor-in-Chief of Journal of Advanced Mathematics & Applications. Dr. Wang is the initiator of a few cutting-edge research fields such as cognitive informatics, denotational mathematics (concept algebra, process algebra, system algebra, semantic algebra, inference algebra, big data algebra, fuzzy truth algebra, and fuzzy probability algebra, visual semantic algebra, granular algebra), abstract intelligence (αI), mathematical models of the brain, cognitive computing, cognitive learning engines, cognitive knowledge base theory, and basic studies across contemporary disciplines of intelligence science, robotics, knowledge science, computer science, information science, brain science, system science, software science, data science, neuroinformatics, cognitive linguistics, and computational intelligence. He has published 400+ peer reviewed papers and 29 books in aforementioned transdisciplinary fields. He has presented 28 invited keynote speeches in international conferences. He has served as general chairs or program chairs for more than 20 international conferences. He is the recipient of dozens international awards on academic leadership, outstanding contributions, best papers, and teaching in the last three decades. He is the most popular scholar of top publications at University of Calgary in 2014 and 2015 according to RG worldwide stats.