EDITORIAL PREFACE

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IJSSCI 2(2) is a regular issue on the latest development in software science and computational intelligence. This issue includes six research papers on: 1) Multifractal Analysis for Feature Extraction from DNA Sequences; 2) Relevant and Nonredundant Amino Acid Sequence Selection for Protein Functional Site Identification; 3) Design and Implementation of an Autonomic Code Generator based on RTPA; 4) Feature Based Rule Learner in Noisy Environment using Neighbourhood Rough Set Model; 5) A Least-Laxity-First Scheduling Algorithm of Variable Time Slice for Periodic Tasks; and 6) The Formal Design Model of a Real-Time Operating System (RTOS+): Conceptual and Architectural Frameworks, which is presented in the special column on “Formal Software Design Models, Patterns, and Frameworks.”

The Editor-in-Chief would like to take this opportunity to report that IJSSCI has been indexed in DBLP and Google Scholar on research papers published in the emerging fields of software science, theoretical software engineering, and computational intelligence. I would also report that the 9th IEEE International Conference on Cognitive Informatics (ICCI’10) will be held at Tsinghua University, Beijing, during July 7-9, 2010. In addition, a number of special issues in IJSSCI will be organized on cognitive computing, software science, and theoretical software engineering. Submissions to these special issues in particular, and/or to the regular issues in general, are welcome.

The Editor-in-Chief expects that readers of the International Journal of Software Science and Computational Intelligence (IJSSCI) will benefit from the papers presented in this issue in order to aware the recent advances in this field. I would like to thank the authors, members of the board of editors, and invited reviewers for their great contributions to this issue. I would like to acknowledge the publisher of IJSSCI, IGI Global Publishing, USA, and to thank Mehdi Khosrow-Pour (President of IGI), Jan Travers (Director of Intellectual Property & Contracts), Kristin M. Klinger (Director of Editorial Content) and the editorial staff of IGI, Chris Hrobak, and Jamie Wilson for their excellent professional support.

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Editor-in-Chief
IJSSCI
Yingxu Wang is professor of cognitive informatics and software engineering, Director of International Center for Cognitive Informatics (ICfCI), and Director of Theoretical and Empirical Software Engineering Research Center (TESERC) at the University of Calgary. He is a Fellow of WIF, a P.Eng of Canada, a Senior Member of IEEE and ACM, and a member of ISO/IEC JTC1 and the Canadian Advisory Committee (CAC) for ISO. He received a PhD in Software Engineering from The Nottingham Trent University, UK, in 1997, and a BSc in Electrical Engineering from Shanghai Tiedao University in 1983. He has industrial experience since 1972 and has been a full professor since 1994. He was a visiting professor in the Computing Laboratory at Oxford University in 1995, Dept. of Computer Science at Stanford University in 2008, and the Berkeley Initiative in Soft Computing (BISC) Lab at University of California, Berkeley in 2008, respectively. He is the founder and steering committee chair of the annual IEEE International Conference on Cognitive Informatics (ICCI). He is founding Editor-in-Chief of International Journal of Cognitive Informatics and Natural Intelligence (IJCINI), founding Editor-in-Chief of International Journal of Software Science and Computational Intelligence (IJSSCI), Associate Editor of IEEE Trans on System, Man, and Cybernetics (A), and Editor-in-Chief of CRC Book Series in Software Engineering. He is the initiator of a number of cutting-edge research fields and/or subject areas such as cognitive informatics, cognitive computing, abstract intelligence, denotational mathematics, theoretical software engineering, coordinative work organization theory, cognitive complexity of software, and built-in tests. He has published over 100 peer reviewed journal papers, 200+ peer reviewed conference papers, and 12 books in cognitive informatics, software engineering, and computational intelligence. He is the recipient of dozens international awards on academic leadership, outstanding contribution, research achievement, best paper, and teaching in the last 35 years.