This issue of IJSSCI is a special issue on Cognitive Computing. A number of key subject topics of software science and computational intelligence are covered in this issue, such as those of behavioral models, theoretical foundations, and applications of cognitive computing and autonomous systems, adaptive intelligence, neural networks, neural-symbolic systems, denotational mathematics, RTPA, Petri net, knowledge acquisition, and neural computing, as well as software design models, patterns, and frameworks.


Commencing from IJSSCI 1(3), a special column on “Reports on Formal Software Design Models, Patterns, and Frameworks” is established with a series of selected articles and/or industrial project reports in software science and engineering. The report included in this issue is entitled: The Formal Design Model of a Telephone Switching System (TSS).

The Editor-in-Chief would like to take this opportunity to report that, following the successful organization of the 7th IEEE International Conference on Cognitive Informatics (ICCI’08) at Stanford University in August 2008, ICCI’09 and ICCI’10 will be held at Hong Kong Polytechnic University in June 2009 and Tsinghua University, Beijing in June 2010, respectively. In addition, a number of special issues in IJSSCI will be organized on semantic computing, software science, and symbiotic computing. 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 articles presented in this issue in order to aware the recent advances in this field. We would like to thank 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, Ideal Group Global (IGI) Publishing, USA, and to thank Mehdi Khosrow-Pour (President of IGI), Jan Travers (Managing Director), Kristin M. Klinger (Managing Acquisitions Editor), and the editorial staff of IGI, Tyler Heath and Elizabeth C. Duke-Wilson, for their excellent professional support.