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Special Session Call for Papers
SMC2015 Special Session on
Emerging Technologies and Applications in Computer Intelligence

Special Session Co-organizers:

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Important Dates
March 31, 2015: Deadline for submission of full-length papers to special sessions.
June 01, 2015: Acceptance/Rejection Notification.
July 31, 2015: Final camera-ready papers due in electronic form.
Submission
Manuscripts for a Special Session should **NOT** be submitted in duplication to any other regular or special sessions and should be submitted to SMC 2015 main conference online submission system on SMC 2015 conference website.

All submitted papers of Special Sessions have to undergo the same review process (three completed reviews per paper). The technical reviewers for each Special Session paper will be members of the SMC 2015 Program Committee and qualified peer-reviewers to be nominated by the Special Session organizers.

Introduction
Technologies in the research field of computer intelligence have made great progress in recent decades. One of the recent approaches to computer intelligence is computational intelligence, a set of nature-inspired computational methodologies and applications. Many real world problems are not considered to be well-posed problems mathematically. For such problems, attempts of mathematical approaches to find solutions met some difficulties, but emerging computational intelligence approaches for finding optimal solutions to such problems have been proposed and many of these emerging technologies are now becoming popular in the field of computer science. Many researchers in the research field have made great efforts to develop methodologies for optimization, classification, ambiguity, agents, etc, and these research results have had great influence in the greater field of computer science. Driven by such motivation, the emerging technologies in computer intelligence are proposed not only in areas of artificial neural networks, evolutionary computation, fuzzy theories, swarm intelligence, and immune systems but also in new paradigms such as emergence in intelligent agent based system, human computer interaction system such as affective computing. With the advancement of computer hardware providing more powerful computing environments, researchers have been able to challenge solving larger and more complex problems in real-life problems such as the analysis of 3D protein structure and medical databases.

Indicative Topics/Areas

* Deep Learning, * Neural Networks, * Evolutionary Computation, * Fuzzy Theory, * Ant Colony Optimization, * Swarm Intelligence, * Artificial Immune System, * Other Softcomputing Methodologies, * Mobile based Intelligent System, * Computer Education and E-learning, * Data Mining in Business Intelligence, * Big Data Technology, * Affective Computing, * Medical Informatics, *Tourism Informatics, * Other Softcomputing Applications

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