

<http://www.smc2012.org/>

Special Session Call for Papers

SMC2012 Special Session on

Innovative Soft Computing Methodologies and Applications

Special Session CFP website:

<http://www.smc-hiroshima.info.hiroshima-cu.ac.jp/eng/>

**Special Session**

organizer:

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**Introduction/Call for Papers**

Technologies in the research field of soft computing have made great progress in recent decades, and softcomputing has now become a popular term in the field of computer science. Many researchers in softcomputing 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.

With the advancement of computer hardware providing more powerful computing environments, softcomputing researchers have been able to challenge solving larger and more complex problems. Driven by such motivation, the innovative methodologies of softcomputing technologies are proposed not only in areas of artificial neural networks, evolutionary computation, and fuzzy theories but also in new paradigms in computer science such as swarm intelligence and immune systems. In addition, softcomputing researchers have applied the developed methods to various real world problems mutually related to human life such as computer education, medical informatics, business intelligence, and affective computing. This session scopes not only theory and methodology but also various applications.

**Indicative Topics/Areas**

The topics of interest include, but are not limited to

- \* Neural Networks
- \* Evolutionary Computation
- \* Fuzzy Theory
- \* Ant Colony Optimization
- \* Swarm Intelligence
- \* Artificial Immune System
- \* Other Softcomputing Methodologies & Applications
- \* Decision Making
- \* Data Mining in Business Intelligence
- \* Softcomputing in Medical Informatics
- \* Affective Computing
- \* Computer Education and E-learning

**Important Dates**

April 15, 2012 : Deadline for submission of full-length papers.

June 15, 2012: Acceptance/Rejection Notification.

July 31, 2012: Deadline for final camera-ready papers submission.

**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 2012 main conference online submission system on SMC 2012 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 2012 Program Committee and qualified peer-reviewers to be nominated by the Special Session organizers.

Organized by IEEE SMC SECTION CHAPTER Hiroshima