



## First International Conference on Soft Computing, Artificial Intelligence and Applications (SCAI-2012)

<http://coneco2009.com/SCAI2012/index.html>

The Connaught Hotel, May 25-27, 2012. Delhi.

### Call for Papers

First International Conference on Soft Computing, Artificial Intelligence and Applications (SCAI-2012) will provide an excellent international forum for sharing knowledge and results in theory, methodology and applications of Artificial Intelligence, Soft Computing. The Conference looks for significant contributions to all major fields of the Artificial Intelligence, Soft Computing in theoretical and practical aspects. The aim of the conference is to provide a platform to the researchers and practitioners from both academia as well as industry to meet and share cutting-edge development in the field. Authors are solicited to contribute to the workshop by submitting articles that illustrate research results, projects, surveying works and industrial experiences that describe significant advances in the following areas, but are not limited to

#### Topics of Interest :

<p><b>Soft Computing</b></p> <ul style="list-style-type: none"> <li>• Fuzzy Systems</li> <li>• Neural Networks</li> <li>• Machine learning</li> <li>• Probabilistic Reasoning</li> <li>• Evolutionary Computing</li> <li>• Pattern recognition</li> <li>• Hybrid intelligent systems,</li> <li>• Software agents</li> <li>• Morphic Computing</li> <li>• Image processing,</li> <li>• E-commerce, e-medicine</li> <li>• Rough Sets</li> <li>• Symbolic machine learning,</li> <li>• Wavelet</li> <li>• Signal or Image Processing</li> <li>• Vision Recognition</li> <li>• Biomedical Engineering</li> <li>• Telecommunications</li> <li>• Reactive Distributed AI</li> <li>• Nano &amp; Micro-systems</li> <li>• Data Visualization</li> </ul> <p><b>Artificial Intelligence</b></p> <ul style="list-style-type: none"> <li>• AI Algorithms</li> <li>• Artificial Intelligence tools &amp; Applications</li> <li>• Automatic Control</li> <li>• Bioinformatics</li> </ul>	<ul style="list-style-type: none"> <li>• Natural Language Processing</li> <li>• CAD Design &amp; Testing</li> <li>• Computer Vision and Speech Understanding</li> <li>• Data Mining and Machine Learning Tools</li> <li>• Fuzzy Logic</li> <li>• Heuristic and AI Planning Strategies and Tools</li> <li>• Computational Theories of Learning</li> <li>• Hybrid Intelligent Systems</li> <li>• Information Retrieval</li> <li>• Intelligent System Architectures</li> <li>• Knowledge Representation</li> <li>• Knowledge-based Systems</li> <li>• Mechatronics</li> <li>• Multimedia &amp; Cognitive Informatics</li> <li>• Neural Networks</li> <li>• Parallel Processing</li> <li>• Pattern Recognition</li> <li>• Pervasive computing and ambient intelligence</li> <li>• Programming Languages</li> <li>• Reasoning and Evolution</li> <li>• Recent Trends and Developments</li> <li>• Robotics</li> <li>• Semantic Web Techniques and Technologies</li> <li>• Soft computing theory and applications</li> <li>• Software &amp; Hardware Architectures</li> <li>• Web Intelligence Applications &amp; Search</li> </ul>
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### Paper Submission

Authors are invited to submit papers for the [conference submission system \( Easy chair \)](#) by 23 December, 2011. Submissions must be original and should not have been published previously or be under consideration for publication while being evaluated for this conference. The proceedings of the conference will be published by Springer (Confirmed) along with Selected papers from SCAI - 2012, after further revisions, will be published in the special issues of the following international journals.

International journal of Computer Networks & Communications (IJCNC)  
 International journal of Network Security & Its Applications (IJNSA)  
 Journal on Applications of Graph Theory in Wireless Ad hoc Networks and Sensor Networks (J GRAPH-HOC)  
 International Journal of Next-Generation Networks (IJNGN)  
 International Journal of Peer-to-Peer networks (IJP2P)  
 International Journal of Distributed and Parallel Systems (IJDPS)  
 International Journal of Grid Computing & Applications (IJGCA)

### Important Dates

Submission Deadline : **December 23, 2011**  
 Acceptance Notification : **January 30, 2012**  
 Camera Ready : **February 27, 2012**