

Call for Paper
on Special Session "Application of Soft Computing Methods in Signal Processing and Multimedia"
In conjunction with

4th International Conference on SOFT COMPUTING FOR PROBLEM SOLVING

VENUE: NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR, ASSAM

27-29 Dec. 2014

SocProS- 2014 is 4th International Conference on Soft Computing for Problem Solving organized by National Institute of Technology, Silchar (Assam) with collaboration with Liverpool Hope University (UK) under technical sponsorship of Soft Computing Research Society (SCRS). The aim of conference is provide platform for students/researches, academicians to represent or share knowledge together.

Soft Computing is a term used in computer science to refer to problems in computer science whose solutions are unpredictable, uncertain area of study in Computer Science. Earlier computational approaches could model and precisely analyze only relatively simple systems. Soft computing deals with imprecision, uncertainty, partial truth, and approximation to achieve practicability, robustness and low solution cost. As such it forms the basis of a considerable amount of machine learning techniques. Recent trends tend to involve evolutionary and swarm intelligence based algorithms and bio-inspired computation.



Aim & Scope: The Special Session (SS) on "Application of Soft Computing Methods in Signal Processing and Multimedia" is emphasizing on the several research problems. The aim of SS is to present the latest results in the domain of Soft Computing Methods in Signal Processing and Multimedia along several axes: methods and tools; development platforms, architectures and technologies; use-cases and applications as well as smart sensing systems.

We welcome papers that employ novel or interdisciplinary approaches. Authors are invited to submit their research and unpublished work to this special session. Topics of interest include, but are not limited to, the following:

- Design and Implementation of Signal processing techniques
- Soft computing methods for multimedia
- Soft computing method for signal processing
- Optimization techniques for Signal processing and Multimedia
- Audio and Video processing systems
- Mathematical modeling and Simulation
- DSP Models of Human Perception
- Soft computing based Digital filter design and implementation
- Soft computing based image and Video processing
- Remote sensing multimedia analysis
- Biomedical Signal and Image Processing
- Optimization techniques of Signal and Multimedia
- Numerical Solution based Problem solving techniques

All the accepted papers to be presented in this session will be published in the Proceeding of **AISC series of Springer/IEEE**. Full Length paper in the prescribed format of Springer can be submitted through the easy chair link provided at the Conference website: http://www.socpros14.scrs.in/paper_submission.php or <http://www.easychair.org/conferences/?conf=socpros2014>

Important Date:

Paper Submission: **May 31, 2014**
Notification of Acceptance: **July 20, 2014**
Camera-ready: **August 10, 2014**
Registration: **September 30, 2014**

Track Chairs

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