

Special Session on “Hybrid Soft computing techniques for performance enhancement in practical applications”

(5th International Conference on Soft Computing for Problem Solving)
December 18-20, 2015 at SAHARANPUR CAMPUS, INDIAN INSTITUTE OF TECHNOLOGY ROORKEE, INDIA

AIM: Soft computing techniques have been widely used in almost every practical application in the current scenario. However, the success rate of conventional techniques in these applications is limited which shows the scope for improvement. One way of improving the performance of any system is to develop an approach with combinations of several soft computing techniques such as artificial neural networks, fuzzy theory, evolutionary computation, etc. This special session specially focuses on innovative and hybrid approaches which can solve the problems of human society in a specific application. This session will also serve as a platform to ignite the thoughts of budding soft computing researchers towards developing a successful system for any practical application.

Scope: The topics of this special session includes, but not limited to:

Techniques:

- Artificial neural networks+fuzzy theory
- Neuro fuzzy approaches
- Genetic algorithm+ Neural networks
- Particle swarm optimization+genetic algorithm
- Deep learning networks+fuzzy theory
- Rough set+evolutionary computation
- Optimization techniques+neural networks
- Supervised approaches+unsupervised approaches
- Transforms+evolutionary computation

Applications:

- Medical domain
- Industrial applications
- Pattern recognition
- Noise removal applications
- Signal processing
- Green environment
- Chip design
- Water treatment

Important dates:

Paper Submission : May 15, 2015
Acceptance notification : August 10, 2015
Registration : September 01, 2015

All the accepted papers of this session will be published in the proceeding of Springer series and the extended versions of the selected papers will be published in special issue of the International Journals. Kindly follow the springer format and submit your paper through easy chair link provided at the Conference website: <http://easychair.org/conferences/?conf=socpros2015>

Session chair:

Dr.D.Jude Hemanth

Department of Electronics and Communication Engineering,

Karunya University,

Coimbatore 641114, Tamil Nadu, India

E-mail: jude_hemanth@rediffmail.com

Mobile: +91-9443001874

