

Special Session on  
**Soft Computing and Applications**  
at  
**10th World Congress on  
Nature and Biologically Inspired Computing**

Vellore Institute of Technology, Vellore India December 6-8, 2018

<http://www.mirlabs.org/nabic18>

### **Objectives and Scope**

**Soft Computing** is the use of inexact solutions to computationally hard tasks for which there is no known algorithm that can compute an exact solution in polynomial time. It is an interdisciplinary area, bringing in concepts and methods from various domains such as Fuzzy Logic (FL), Evolutionary Computation (EC), Machine Learning (ML) and Probabilistic Reasoning (PR). More complex systems arising in biology, medicine, management sciences, the humanities and similar fields are analyzed using soft computing approaches.

This session aims to bring together researchers from these domains to formulate research perspective, provide solutions and collaborate for technological advancement in the area.

We invite high quality unpublished contributions from all research areas that address the emerging challenges in Soft Computing. Several topics of interest include, but are not limited to, the following area:

- Fuzzy Control Systems
- Adaptive neuro Fuzzy inference system
- Metaheuristic optimization algorithm
- Genetic Algorithm and programming
- Swarm intelligence
- Learning classifier systems
- Machine Learning
- Image Recognition
- Pattern Recognition
- Artificial Neural Network
- Deep Learning
- Cluster Analysis
- Bayesian networks
- Computational tools early diagnosis of metabolic disorders
- Intelligent e Health Systems
- ICT enabled personal Health Systems
- High performance Fuzzy Computing for e Health

### **Paper Publications**

All accepted and registered papers will be published in Advances in Intelligent Systems and Computing (AISC ) Series of Springer, indexed in ISI Proceedings, EI-Compendex, DBLP, SCOPUS, Ulrich's, Zentralblatt Math, Metapress and Springerlink.

### **Important Dates**

Paper submission due: August 30, 2018

Notification of paper acceptance: October 15, 2018

Registration and Final manuscript due: November 05, 2018

Conference: December 06 - 08, 2018

### **Special Session Chairs**

Anjali Chandavale, Dr. Vishwanath Karad MIT World Peace University, India

Millie Pant, IIT Roorkee, India

Niketa Gandhi, Machine Intelligence Research Labs (MIR Labs), USA

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