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7th International Conference on

Soft Computing for Problem Solving

SocProS 2017

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December 23-24, 2017

Organized by

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About IIT Bhubaneswar

Indian Institute of Technology Bhubaneswar is a premier Institute of International importance, situated at the foot of Barunei Hill, a place of historical importance spreading over 936 Acres of land in the temple city of Bhubaneswar, Odisha. The campus provides a unique serene and pollution free academic environment. It is well connected through Air, Indian Railway and Road Services. The weather during December at IIT Bhubaneswar is very pleasant with moderate temperature.

About SocProS

SocProS is a series of International Conference in the joint technical collaboration with Soft Computing Research Society, Liverpool Hope University (UK), and Indian Institute of Technology Roorkee, South Asian University New Delhi and National Institute of Technology Silchar. SocProS aims to bring together the researchers, engineers and practitioners to present the latest achievements and innovations in the interdisciplinary areas of soft computing to discuss thought-provoking developments and challenges, in order to select potential future directions. The major objective of the conference is to encourage participations of young researchers carrying research in the field relating to soft computing in India and abroad. The series of this conference started in 2011 and successfully continued in the following institutes in India.

- ➢ 2011: IE(I), RLC, Roorkee
- ➢ 2012: JKLU, Jaipur
- ➢ 2013: Greater Noida Extension center of IIT Roorkee
- ➢ 2014: NIT Silchar
- ➢ 2015: Saharanpur Campus of IIT Roorkee
- ➢ 2016: Thapar University, Patiala

The 7th one is going to be held at IIT Bhubaneswar during Dec 23-24, 2017.

About the Theme

The term 'Soft Computing' represents a set of computational techniques in machine learning, computer science and other engineering disciplines. It investigates, simulates and analyzes very complex issues and phenomena in the real life situation. SocProS aims to,

- Bring the research fraternity together in the field of Soft Computing.
- Investigate the future prospective directives with employing recent advances.
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Authors are invited to submit their original, unpublished and quality research papers in the areas including but not limited to:

- **Algorithms**: Artificial immune system, Artificial neural network, Genetic algorithm, Genetic Programming, Particle Swarm Optimization, Harmonic Search, Differential Evolution, Bacteria Foraging Optimization, Fruit Fly Optimization, Firefly Algorithm, Drosophila Food search Optimization, Memetic Algorithm, Neuro Fuzzy System, Robotic Simulated Annealing, Stochastic Diffusion Search, Tabu Search, Statistical learning, Fuzzy logic, Reinforcement Learning, Incremental Learning, Inductive Logic Programming, Bayesian networks, Support Vector Machines, Hybrid Learning.
- **Applications**: Control Systems, Datamining and Clustering, Finance, Weather Forecasting, Game Theory, Grid Computing, Image Processing, Scheduling and Time-tabling, Signal Processing, Supply Chain Management, Web and Text Mining, Wireless Sensor Networking, smart cities, medicine, health, bioinformatics and systems biology, economics, business and forecasting applications

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The Conference Proceedings will be published online in the AISC series of Springer. Awards will be offered by Springer in the following items.

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Important Dates

- Last date of paper Submission : September 18, 2017
- Notification of acceptance : October 31, 2017
- Camera-ready submission of accepted papers : November 15, 2017
- Registration of accepted papers : November 10-20, 2017
- Conference Date : December 23 -24, 2017

Registration Fee

- Regular author : ₹ 9500 / US $ 500
- Full time student author : ₹ 5000 / US $ 350
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- Accompanying person : ₹ 2000 / US $ 100
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Registration fee towards the conference includes online conference proceeding, conference bag, conference kit, breakfast, lunch and banquet dinner. **Note: (i)** SCRS (www.scrs.in) members can avail a discount of 30% in the registration fees. **(ii)** For accommodation, please visit the conference site: www.socpros17.scrs.in

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