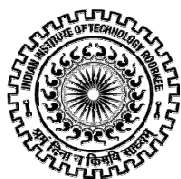


One Day Workshop on  
**Soft Computing for Problem Solving**  
December 27, 2013

in conjunction with 3rd  
**International Conference on  
Soft Computing for Problem Solving**  
(SocProS – 2013)  
December 26 -28, 2013



Organized by  
**SAHARANPUR CAMPUS**  
of  
**INDIAN INSTITUTE OF TECHNOLOGY  
ROORKEE, INDIA**  
[www.iitr.ac.in](http://www.iitr.ac.in)

**Venue:**  
**Greater Noida Campus, IIT Roorkee**

Technically Sponsored by  
**Soft Computing Research Society**  
[www.scrs.in](http://www.scrs.in)



### **ABOUT THE WORKSHOP**

The term Soft Computing represents a collection or set of computational techniques in machine learning, computer science and some engineering disciplines, which investigate, simulate, and analyze very complex issues and phenomena. This workshop aims to discuss the latest achievements and innovations in the interdisciplinary areas of soft computing, to discuss thought-provoking developments and challenges, to consider potential future directions.

### **WHO SHOULD PARTICIPATE**

Researchers, Scientists, Faculty members, PG students, who are working in the field of Soft Computing.

### **HOW TO APPLY**

Filled in application in the prescribed format should be mailed to the convener on or before 20/10/13. The registration of the participants would be confirmed on "First-come-First-served" basis, as the number of seats are limited. The interested candidates may send their brief CV, research interests, recommendation from the guide to:

[workshopsocpros@gmail.com](mailto:workshopsocpros@gmail.com)

### **IMPORTANT DATES**

Registration: 05-12-2013

### **REGISTRATION FEE**

Delegates from Industries - Rs. 3,500/-  
Faculty - Rs. 3,000/-  
Research Scholar/Students - Rs. 2,500/-

After confirmation is received the participants will have to register. The registration fee in the form of Demand Draft should be drawn in favor of: **The Dean, SRIC IIT Roorkee** and should be Payable at **Roorkee**. The Registration Form and the demand draft should be sent to the following address:

**Dr Kusum Deep**  
**Professor, Department of**  
**Mathematics,**  
**Indian Institute of Technology**  
**Roorkee**  
**Roorkee - 247667 (Uttarakhand)**

### **ABOUT IIT ROORKEE**

IIT Roorkee is among the foremost of institutes of national importance in higher technological education & in engineering, basic and applied research. It has a history of more than 150 years. Since its establishment, the Institute has played a vital role in providing the technical manpower and know-how to the country and in pursuit of research. The Institute ranks amongst the best technological

institutions in the world and has contributed to all sectors of technological development. It has been a trend-setter in the area of education & research in the field of science, technology and engineering.

### **SAHARANPUR CAMPUS**

formerly known as the School of Paper Technology was established by the Government of India in 1964, with an aid from the Royal Swedish Government. This school was managed by a Society created by U.P. Government until its merger with the then University of Roorkee (now IIT Roorkee since 2001) in 1978. It is well planned and developing Campus acquiring 25 acres of land with the distance of around 50 kms from Roorkee campus. The Saharanpur campus has 3 departments viz. Dept. of Paper Technology, Dept. of Polymer and Process engineering and Department of Applied Sciences & Engineering on March 1, 2012.

### **GREATER NOIDA EXT. CENTRE**

IIT Roorkee has three campuses situated at Roorkee, Saharanpur and Noida. The Noida campus is the youngest and was inaugurated in 2011. The new campus is built on a 10-acre plot. The academic block is a three-storey building which has 16 lecture rooms, software labs, faculty offices, a library and a computer centre.

### **TOPICS TO BE COVERED**

- Binary Genetic Algorithms
- Real Coded Genetic Algorithms
- Particle Swarm Optimization
- Differential Evolution
- Artificial Bee Colony Algorithm
- Application of Soft Computing Techniques
- MATLAB/ C++ Programming of Soft Computing Methods
- Fuzzy Logic
- Neural Networks
- Engineering Applications

### **SPEAKERS**

- Prof A. K. Nagar, England
- Prof Ashok Deshpande, Pune
- Prof. P. C. Jha, Delhi University
- Dr. J. C. Bansal, SAU, New Delhi
- Dr. K. N. Das, NIT Silchar

**Convener - Dr. Millie Pant**  
**Associate Professor, Department of Applied Science and Engineering,**  
**Saharanpur Campus IIT Roorkee**  
**email: millifpt@iitr.ernet.in**

**Mob: +91 9759561464**  
**Co-Convener - Prof Kusum Deep,**  
**Department of Mathematics,**  
**IIT Roorkee, Roorkee**  
**emails: kusumfma@iitr.ernet.in,**  
**kusumdeep@gmail.com**

**Mob: +91 9837164078**

### **REGISTRATION FORM**

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Correspondence Address:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Mobile: \_\_\_\_\_

Registration Category: (Please tick)

- Research Scholar/ PG student
- Faculty
- Industry Participant

Accommodation required: Yes/No

If yes: Single/Double

Details of Demand Draft:

DD No.: \_\_\_\_\_

Amount: \_\_\_\_\_

D a t e

S i g n a t u r e

Recommendations by  
Supervisor/ Head of Department