

International Summer School

Nature Inspired Optimization Techniques and their Applications
September 10 – September 19, 2022 (4 p.m. - 8 p.m.)

Jointly organized by
E&ICT Academy IIT Roorkee and Soft Computing Research Society, New Delhi



Course Contents

- Genetic Algorithms
- Particle Swarm Optimization
- Differential Evolution
- Spider Monkey Optimization
- Grey Wolf Optimization
- Fire Fly Algorithm
- Constrained and Multi-objective Optimization
- Examples and Implementations
- Case studies

Speakers

- Prof. Seyedali Mirjalili (Center for Artificial Intelligence, Research and Optimization, Torrens University, Australia)
<https://research.torrens.edu.au/en/persons/seyedali-mirjalili>
 email: seyedali.mirjalili@alumni.griffithuni.edu.au
- Prof. Xin She Yang (Design Engineering and Mathematics Middlesex University, London, UK)
<https://www.mdx.ac.uk/about-us/our-people/staff-directory/profile/yang-xin-she>
 email: x.yang@mdx.ac.uk
- Prof. J. C. Bansal (South Asian University, New Delhi)
<http://people.sau.int/~jcbansal/>
 email: jcbansal@sau.ac.in
- Prof. Kusum Deep (Department of Mathematics, Indian Institute of Technology Roorkee) (Course Coordinator)
 emails: kusum.deep@ma.iitr.ac.in, kusumdeep@gmail.com
 Ph: 01332-285339 (Office), 9837164078 (Mobile)

Chief Investigator, EICT IITR

Prof. Sanjeev Manhas
 IIT Roorkee

Course Coordinator

Prof. Kusum Deep
 IIT Roorkee

Programme Features

- There will be a four-hour session consisting of Lecture, Practical on MATLAB, Q&A, and Quiz daily.
- MATLAB will be used for Hands-on / Practical / Lab Sessions.
- Opportunities to connect with experts from Academia.
- Certificate will be awarded on course completion.

Registration Details

Registration Link: <https://forms.gle/AZR83ivjCXWPF1Rz8>

Registration fee	Amount (including taxes)
Soft Computing Research Society or Indian Institute of Technology Roorkee	Rs. 5,000/-
Soft Computing Research Society and Indian Institute of Technology Roorkee	Rs. 4,000/-
Others	Rs. 8,000/-
International	USD (\$) 150

Please click for payment of registration fees
<https://eict.iitr.ac.in/instruction-for-payment/>

For more details, please visit: <https://eict.iitr.ac.in/>

Last Date for Registration
August 25, 2022

Contact Us

Contact Us :
eict@iitr.ac.in
 +91-9412528151



To become a member of Soft Computing Research Society, click on
<https://scrs.in/>