



13th International Conference On

Soft Computing for Problem Solving

AI for Viksit Bharat

(SocProS – 2025)

February 24th – 26th, 2025



Organized by

Department of Applied
Mathematics and scientific
Computing (DAMSC)

Indian Institute of Technology
Roorkee, India

Website : www.socpros2025.iitr.ac.in/

ABOUT IIT ROORKEE

Indian Institute of Technology - Roorkee is among the foremost of institutes of national importance in higher technological education and in engineering, basic and applied research. It has a history of more than 175 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 also been considered a trend-setter in the area of education and research in the field of science, technology, and engineering.

ABOUT DAMSC

The Department of Applied Mathematics and Scientific Computing (D-AMSC), came into existence in March 2022. The objective of the Department is to train the students in efficient computational techniques, which are often desirable and are many times necessary for solving the complex real-world problems where analytical approaches are either difficult or impossible to use. The area of specialization of the faculty at DAMSC include numerical differential equations, numerical optimization, operations research, data science and machine learning and their applications to diverse real life problems occurring in different domains. The department presently offers PhD and MTech degree in Applied Mathematics and Scientific Computing.

ABOUT THE THEME OF THE CONFERENCE

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 the complex issues and phenomena. SocProS-2025 aims to bring together 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, to consider potential future directions. One of the objectives of the conference is to encourage participation by young researchers; to this end student papers will be given special consideration.

ABOUT SOCPROS

SocProS is an international series of conference organized every year by the faculty members of IIT Roorkee and Liverpool Hope University, UK since 2011. The first conference of this series was held in 2011 at IIT Roorkee. SocProS conferences have been held in India and abroad with the last one being held at IIT Roorkee in 2023.

CALL FOR PAPERS

The 13th International Conference on Soft Computing for Problem Solving is an interdisciplinary conference that aims to bring together researchers working in different areas of Soft Computing, Machine Learning and Artificial Intelligence. Contributions are welcomed on all areas related to soft computing techniques like evolutionary and nature inspired algorithms, swarm intelligence algorithms, fuzzy systems in terms of theoretical development and applications in different domains. Contributions are particularly solicited on this year's theme, which include applications of soft computing, AI and ML on the areas of: Healthcare, Agriculture, Defense, Supply Chain Management and Logistics, Smart Cities and other applications relevant to the theme of the conference. All papers will be reviewed in a double-blind process and accepted papers will be presented at the conference

PROCEEDINGS

To be published in Springer (Approval is pending)

Important Dates

Deadline for paper submission	December 31, 2024
Decision of Acceptance	January 10, 2025
Camera ready papers & registration	January 15, 2025

REGISTRATION FEE

Registration fee includes conference proceedings published by Springer (approval is pending), conference bag, all 3 time meals during conference followed by gala dinner. Limited accommodation will be arranged on first-cum-first serve basis. Each registration will cover only one paper of maximum length of 12 pages. Additional papers by the same author(s) will be charged separately.

Category	Indian Author	Foreign Author
Full time student author	Rs 4500	USD 300
Regular author	Rs 7000	USD 300
Extra paper charges	Rs 4500/ paper	USD 200/ paper
Extra page charges	Rs 2000/ pages	USD 100/ paper
Only attending	Rs 2000/	USD 100/

REGISTRATION – To be done online

SUBMISSION OF PAPERS

Please submit your original research paper using CMT
<https://cmt3.research.microsoft.com/SocPros2025>

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