# 14th International Conference

## On

# Soft Computing for Problem Solving

## *Bharat leads with AI*

March 5th - 7th, 2027

Organized by

Department of Applied Mathematics and Scientific Computing (D-AMSC)

Indian Institute of Technology Roorkee, India

Website: www.socpros2027.iitr.ac.in/



## ABOUT IIT ROORKEE

The Indian Institute of Technology Roorkee is one of the foremost Institutes of National Importance, dedicated to higher technological education and to research in engineering, as well as basic and applied sciences. It has a history of more than 175 years. Since its establishment, the Institute has played a vital role in supplying skilled technical manpower and expertise to the nation, while also advancing 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 D-AMSC

The Department of Applied Mathematics and Scientific Computing (D-AMSC) came into existence in March 2022. Its objective is to train students in efficient computational techniques, which are often desirable and sometimes necessary for solving complex real-world problems where analytical approaches are difficult or impossible to apply. The faculty's areas of specialization include numerical differential equations, numerical optimization, operations research, data science, and machine learning, along with their applications to diverse real-life problems across different domains. The department presently offers Ph.D. and M.Tech. 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-2027 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 key objectives of the conference is to encourage and promote the participation of young researchers. Accordingly, submissions authored by students and early-career researchers will be given special consideration during the review process.

## 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 during 24th-26th February 2025.

## CALL FOR PAPERS

The 14th International Conference on Soft Computing for Problem Solving (SocProS 2027) brings together researchers and practitioners in Artificial Intelligence, Machine Learning, Soft Computing, Computational Intelligence, Optimization, Operations Research, and Decision Sciences. Contributions are invited on emerging techniques including Deep Learning, Reinforcement Learning, Generative and Agentic AI, LLMs, Evolutionary Algorithms, Swarm Intelligence, Fuzzy Systems, Metaheuristics, Hybrid Intelligent Systems, and AI-driven Optimization, along with applications in Healthcare, Smart Cities, Agriculture, Supply Chain and Logistics, Energy, Industry 4.0/5.0, Finance, Engineering, and Autonomous Systems. Topics are indicative and not limited to the above areas. All papers will undergo peer review process, and the conference will be conducted in person.

## PROCEEDINGS

To be published in Springer (Approval in process).

### IMPORTANT DATES

| | |
|---|---|
| Paper Submission Deadline | Oct. 31, 2026 |
| Decision of Acceptance | Dec. 10, 2026 |
| Camera Ready Papers & Registration | Jan. 15, 2027 |

## REGISTRATION FEE

Registration fee includes conference proceedings published by Springer (approval in process), conference kit, all 3-times meals during conference including gala dinner. Accommodation will be allotted on first-come, first-served basis against payment. 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. 6500 | USD 350 |
| Regular author | Rs. 8500 | USD 350 |
| Extra paper charges | Rs. 4500 / Paper | USD 200 / Paper |
| Extra page charges | Rs. 2000 / Page | USD 100 / Page |
| Only attendee | Rs. 3000 | USD 100 |

**REGISTRATION** - to be done online

**SUBMISSION OF PAPERS** - Please submit your original research paper using CMT

**Link:** https://cmt3.research.microsoft.com/SocPros2027

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