



# PRemI'23

10<sup>th</sup> International Conference on Pattern Recognition and Machine Intelligence  
December 12-15, 2023



Organized by

Machine Intelligence Unit, Indian Statistical Institute (ISI), Kolkata, India

URL: <https://www.isical.ac.in/~premi23/>

## Call for Papers

### Honorary Chairs

Sankar K. Pal  
*ISI Kolkata*  
Andrzej Skowron  
*University of Warsaw, Poland*

### Conference Chairs

Nikhil R. Pal  
*ISI Kolkata*  
Santanu Chaudhary  
*IIT Jodhpur*  
Rajat K. De  
*ISI Kolkata*

### Program Chairs

Pradipta Maji  
*ISI Kolkata*  
Tingwen Huang  
*Texas A&M University at Qatar, Doha*

### Organizing Chairs

Deba Prasad Mandal  
*ISI Kolkata*  
B. Uma Shankar  
*ISI Kolkata*

### Special Session Chairs

Kuntal Ghosh  
*ISI Kolkata*  
Monidipa Das  
*IIT-ISM Dhanbad*

### Tutorial Chairs

Pabitra Mitra  
*IIT Kharagpur*  
Swapna Agarwal  
*TCS Research, Kolkata*

### Special Issue Chairs

Hongmin Cai  
*South China University of Technology*  
Sanjoy K. Saha  
*Jadavpur University, Kolkata*  
Malay Bhattacharyya  
*ISI Kolkata*

### Doctoral Colloquium Chairs

B. S. Daya Sagar  
*ISI Bangalore*  
Tanmay Basu  
*IISER Bhopal*

### Industry Liaisons

Narayan Bhamidipati  
*InMobi, USA*  
Utpal Garain  
*ISI Kolkata*

### International Liaisons

Dominik Ślęzak  
*University of Warsaw, Poland*  
Sergei O. Kuznetsov  
*Higher School of Economics, Moscow*

### Publicity Chairs

Francisco de A.T. de Carvalho  
*Federal University of Pernambuco, Brazil*  
Abhirup Banerjee  
*University of Oxford, UK*

### Web Chair

Ekta Shah  
*ISI Kolkata*

**Objective:** The primary goal of the conference is to provide a platform for presenting state-of-the-art scientific results, enabling academic and industrial interactions, and promoting collaborative research activities in Pattern Recognition, Machine Intelligence and related fields, involving scientists, engineers, professionals, academicians, and students. This premier biennial event is an ideal forum for people to share their views and experiences in the said areas. This is the tenth conference of this series. Papers are invited in all areas of Pattern Recognition and Machine Intelligence including, but not limited to, the following:

### Topics:

- Augmented and Virtual Reality
- Big Data Analytics
- Bioinformatics and Computational Biology
- Biomedical Data Analysis
- Biometrics
- Brain Modeling
- Cognitive Computing
- Computational Intelligence
- Computational Neuroscience
- Computer Vision
- Cyber Physical Systems
- Data and Knowledge Mining
- Data Visualization
- Deep Learning
- Digital Watermarking
- Granular Computing
- Health Informatics
- Image and Video Processing
- Information Retrieval
- Internet of Things
- Machine Learning
- Natural Computing
- Natural Language Processing
- Pattern Recognition
- Quantum Information Processing
- Reinforcement Learning
- Remote Sensing
- Representation Learning
- Smart and Intelligent Sensors
- Social Cognition and Analytics
- Soft Computing
- Spatial Data Analysis
- Speech and Audio Processing
- Statistical Analysis and Learning
- Systems Biology
- Text Mining
- Transfer Learning

**Proceedings:** All accepted papers, whose author(s) register, would be included in the conference proceedings to be published by Springer International Publishing in its prestigious LNCS series.

**Special Issues:** Extended versions of some selected papers may be considered for publication in special issues of different SCI journals, after thorough reviews and following their norms and standards.

**Tutorials:** There will be a few two-hour pre-conference tutorials on December 11, 2023.

**Special Sessions:** Conference will have sessions on specific topics of interest. Proposals for Special Sessions are to be directed to the Special Session Chairs.

**Location:** The conference will be held at the Indian Statistical Institute, Kolkata. It is close to Netaji Subhas Chandra Bose International Airport, and three important railway termini, Howrah, Sealdah and Kolkata.

**Submission Procedure:** Submissions for the main conference must be made online through EquinOCS following the submission link: <https://equinocs.springernature.com/service/PRemI2023>

Papers should have maximum eight A4 pages (including figures, tables, and complete authors' affiliations). For details, please see PRemI'23 website (submission). Papers exceeding eight pages will be subjected to over length page charges. Manuscripts, to be reviewed double-blind, must be prepared with LaTeX2e (use Springer class file lnscs2e.zip) and must also adhere to Springer plagiarism policies. Follow the authors' instruction in

<http://www.springer.com/gp/computer-science/lnscs/conference-proceedings-guidelines>

**Fellowship:** Financial support in the form of fellowship may be provided to some of the student authors.

**Important Dates:** Paper submission: **March 31 April 30 May 10, 2023**  
Acceptance notification: **June 30, 2023**  
Camera-ready submission: **July 15, 2023**

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