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Sonapat

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- Prof. Ajay Sharma (SRMUH)
- Prof. Puneet Goswami (SRMUH)



INTERNATIONAL CONFERENCE ON

MATHEMATICAL SCIENCES AND ITS APPLICATIONS TO ARTIFICIAL INTELLIGENCE

17th – 19th January, 2024

ORGANISED BY

**DEPARTMENT OF MATHEMATICS
FACULTY OF SCIENCE & HUMANITIES**

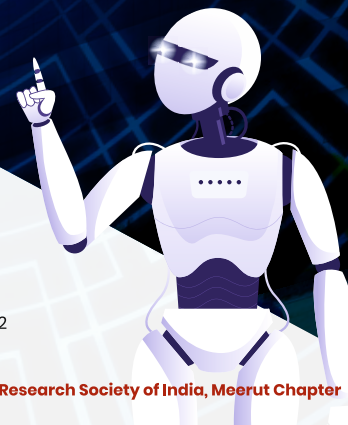
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SRM UNIVERSITY AT A GLANCE

SRM Group of Institutions have 5 decades of legacy, 4 Universities, 24 institutions and celebrated as one of the top-ranking Universities in India with over 100000 students and 5000 faculties. Based on sheer demand and greater accessibility, the need to establish a revolutionary campus in the national capital region paved way for SRM University Delhi – NCR, Sonapat. SRM University, Delhi – NCR was established under the Haryana Private Universities Act 2006 as amended by Act 8 of 2013. The vision is to emerge as a leading world – class University that disseminates knowledge by adapting industry-oriented pedagogy in Engineering & Technology, Management, Law and Science & Humanities on par with international standards.

ABOUT DEPARTMENT OF MATHEMATICS

Mathematics plays an ever-increasing role in our shifting technological landscape. From engineers and economists to scientists and statisticians, a solid background in Mathematics is absolutely critical for adapting to the new paradigms shaping our world. The Department has well qualified and motivated faculty members and research scholars. The department provides support to several other departments and has interdisciplinary presence along with expertise in Applied & Pure Mathematics as well as Statistics. The Department has recently acquired a comprehensive MATLAB along with other mathematical software and has competent faculty trained in the applications of various tools and techniques of these software. Courses offered by the Department are B.Sc. Mathematics, M.Sc. Mathematics & Ph.D.



VENUE

SRM University, Delhi-NCR, Sonapat, Haryana
39, Rajiv Gandhi Education City, Delhi-NCR, Sonapat-131029, Haryana (India)

CONFERENCE OBJECTIVES

The mathematical sciences are part of nearly all aspects of everyday life—the discipline has underpinned such beneficial modern capabilities as Internet search, medical imaging, computer animation, numerical weather predictions, and all types of digital communications. It plays an ever growing role in research and is filled with multiple challenging problems on which the participants can try their hands on. The main motive of the conference is to provide a platform to the students where they can directly interact with the learned specialists of the field and acquaint themselves with one of the most fascinating branches of mathematics. An especial emphasis will be given on application of mathematical sciences to Artificial Intelligence.



INVITED SPEAKERS

- **Prof. Eberhard Malkowsky**
State University of NoviPazar, Serbia
- **Prof. Rosana Rodríguez-López**
University of Santiago de Compostela, Spain
- **Prof. Mbarki Lamine**
University of Tunis El Manar, Tunisia
- **Prof. Wutiphol Sintunavarat**
Thammasat University, Thailand
- **Prof. S. R. Singh**
CCS University, Meerut, India
- **Prof. B. Sarkar**
Yonsei University, South Korea
- **Prof. N. H. Shah**
Gujarat University, Ahmedabad
- **Prof. Mansaf Alam**
Jamia Millia Islamia, New Delhi
- **Prof. Kapil Kumar Sharma**
South Asian University, New Delhi
- **Prof. D. R. Sahu**
Banaras Hindu University India
- **Prof. Akhlaq Husain**
Jamia Millia Islamia New Delhi
- **Dr. G Sankara Raju Kosuru**
IIT, Ropar
- **Dr. S. Rajesh**
IIT Triputi
- **Dr. Sachin Kumar**
University of Delhi
- **Prof. Santan Kumar**
NIT, Silchar Assam
- **Prof. Gyan Chandra Singh Yadav**
University of Allahabad
- **Prof. Samarjit Kar**
NIT, Durgapur
- **Prof. Izhar Uddin**
Jamia Millia Islamia, India
- **Dr. Kiran Choudhary**
University of Delhi, India
- **Dr. Deepti**
University of Delhi, India

CALL FOR PAPERS

Original contributions are solicited on the topics covered under the following board areas, but not limited to:

- Mathematical logic and foundations
- Mathematical Methods in Computational Sciences and Engineering
- Mathematical models for the information society
- Numerical analysis, Probability and statistics
- Fuzzy Logic, Neural Networks, Fuzzy Set Theory
- Analysis, Operations Research
- Non liner Control, Sustainable Development
- Coding Theory, Reliability
- Higher Algebra, Number theory
- Geometry and topology, Graph theory and combinatory
- Optimization, Modeling, and Simulation
- Computation in Complex Networks
- Computational Statistics
- Uncertainty Theory and applications
- Group theory, Fuzzy graphs
- Application of Soft Computing, Knowledge Engineering, and Machine Learning
- Applications and case studies in Intelligent Computing
- Foundations of intelligent and high performance computing paradigm
- Artificial Intelligence and machine learning
- Fuzzy control and intelligent systems
- Cloud Computing
- Intelligent Object Identification
- Big Data Analytics
- Information Security
- Data security and Data privacy
- Communication protocol security
- Security-related Algorithmic Complexity

ACCOMMODATION

Participants are requested to make their own arrangement on stay, list of hotels/ AC hostel will be intimated to all the registered participant. To support the participants stay, University has arranged limited number of Boy's & Girl's Bachelor Accommodation in Hostels on payment basis (INR 1,000/- per person). **No TA/DA will be provided for attending the conference.**

REGISTRATION FEE

The participants are requested to register their names by sending the duly filled registration form in the format attached:

	EARLY BIRD	LATE FEE
1. Research Scholars	Rs. 3000/-	Rs. 3500/-
2. Faculty/Scientist/ Industry Personnel	Rs. 4000/-	Rs. 4500/-
3. Foreign Participants	300 USD	310 USD

PAYMENT MODE-NEFT / IMPS / DIRECT DEPOSIT / SWIFT TRANSFER

Account name: SRM EDUCATION & RESEARCH INSTITUTE
Account number: 12330100200333
Bank & Branch name: FEDERAL BANK KUNDLI HARYANA-131028
IFSC Code: FDRL0002116

Important Dates:

Last Date for Abstract Submission	:	20 December, 2023
Notification of Acceptance	:	25 December, 2023
Last date of full length paper Submission	:	30 December, 2023

Publication:

All submitted papers will be reviewed by the technical committee of the conference and selected papers will be published in the Taylor & Francis Book series. Furthermore, selected papers will be considered for publication in reputed Scopus indexed journals with additional processing fee. (upon acceptance of the article, the publication charges are to be paid.)

Members:

- Dr. Asha Rani
 - Dr. Preeti Tyagi
 - Dr. R P Yadav
 - Dr. Deepak Grover
 - Dr. Neelam Gupta
- Dr. Neelu Choudhary
 - Dr. Deepika Yadav
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