



## 5th International Conference on Frontiers in Industrial and Applied Mathematics

(FIAM)

December 22–23, 2022



Organized by

Department of Mathematics

Central University of Haryana

Mahendergarh-123031, Haryana, India

(NAAC Accredited 'A' Grade University)

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### About the University

The Central University of Haryana is a Central University established under the Central Universities Act, 2009 of the Parliament. It is one of the 15 Central Universities established by MHRD, GoI under the XIth Five Year Plan (2007-12). The University is fully funded by the UGC. The campus of the University is situated on 488 acres of land at Jant-Pali villages, Mahendergarh district of Haryana. The University has been awarded an "A" grade in the first cycle of NAAC Assessment and Accreditation conducted in March 2017. Presently, University offers 73 study programmes (Diploma, UG, PG, and Research) in 33 Departments under 8 different Schools of Studies.

### About the Department

The Department of Mathematics was established in the year 2014 under the School of Physical and Mathematical Sciences, with a vision of being a research-oriented department that would cater to the need for application-oriented research in Mathematics. The students in the Department of Mathematics are provided with rich exposure to the latest research by way of organizing academic activities from time to time. Moreover, lectures and seminars by eminent mathematicians are a regular feature of the department.

### About FIAM

FIAM is a conference series started by a group of faculty members working in different reputed institutes. It is registered in India as a research association of scholars "Forum for Industrial and Applied Mathematics" to promote research in mathematical sciences and its allied disciplines. FIAM is proving to be a major forum for the presentation of technological progress and research outcomes in the area of Industrial and Applied Mathematics for researchers from academia and industry. The FIAM conference series was started in 2018.

### About FIAM-2022

FIAM-2022 will be organized in physical mode by the Department of Mathematics, Central University of Haryana, Mahendergarh, India during December 22-23, 2022.

### The objective of the Conference and Major Topics

The objective of the conference is to narrow down the gaps by bringing practitioners and scientists together, so as to focus on the recent trends in the research related to mathematical sciences.

### The topics of the conference would include but are not limited:

➤ Artificial Intelligence	➤ Bio-Statistics
➤ Computational and Theoretical Fluid Dynamics	➤ Computational Mechanics
➤ Control and Systems Theory	➤ Cosmology and Celestial Mechanics
➤ Cryptography	➤ Database Management
➤ Data Science	➤ Differential Equations
➤ Discrete Mathematics	➤ Dynamical Systems and Nonlinear Analysis
➤ Elasticity	➤ Financial Mathematics
➤ Fuzzy Systems	➤ Graph Theory
➤ Image and Signal Processing	➤ Information Theory
➤ Integral Equations	➤ Mathematical Physics
➤ Mathematical Software	➤ Modelling and Simulation
➤ Nano Fluid Mechanics	➤ Neural Networks
➤ Numerical Techniques	➤ Operations Research
➤ Probability and Statistics	➤ Reliability Theory
➤ Soft Computing	➤ Wavelet Analysis
➤ Bio-Mathematics	

There will be special sessions for invited lectures by eminent experts from the various fields of Statistics and Operations Research.

### Call for Papers

The organizers of FIAM-2022 invite original and unpublished research papers/abstracts of theoretical/applied nature or case studies. **The last date for the full-length paper submission is August 31, 2022.** All papers will be submitted via Easy-chair using the following link:

<https://easychair.org/my/conference?conf=fiam2022>

### Important Dates

Paper Submission: **August 31, 2022**

Acceptance Notification: **September 30, 2022**

Camera-ready Submission: **November 15, 2022 (Paper after incorporating reviewer suggestions).**

## Registration

Registration is mandatory for each accepted paper. Non-payment of the appropriate registration fee by the author on or before the mentioned deadline will result in the withdrawal of the corresponding paper from publication in the proceedings.

Category		Industry/ Corporate	Academician	Research Scholar/ Student/ Attending/ Presentation Only
Indian Delegates	<b>Before September 30, 2022</b>	₹ 5000	₹ 3000	₹ 2000
Foreign Delegates		\$ 200 USD	\$ 100 USD	\$ 50 USD
Indian Delegates	<b>Before November 30, 2022</b>	₹ 6000	₹ 4000	₹ 3000
Foreign Delegates		\$ 250 USD	\$ 150 USD	\$ 75 USD
Indian Delegates	<b>On Spot Registration</b>	₹ 7000	₹ 5000	₹ 4000
Foreign Delegates		\$ 300 USD	\$ 200 USD	\$ 100 USD

\*Life members of FIAM and participants from the Central University of Haryana will be given a discount of 25% on the registration fee.

The registration fee is non-refundable.

## Conference Proceedings

The refereed proceedings of the conference will be brought out after the conference.

## Venue

The venue of the conference is auditoriums at the Central University of Haryana, Mahendergarh-123031.

## Climate

The weather in district Mahendergarh will be pleasant in December. The temperature ranges between 5 to 15 degrees Celsius in this season.

## Accommodation

It is advisable for all the participants to make their own arrangements of accommodation well in advance. However, the

organizers will provide necessary and possible assistance in arranging the same. A list of hotels and guest houses will be provided on the conference website in due course.

## Organizing Committee

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