



PONDICHERRY UNIVERSITY

(A Central University)

**Ramanujan School of Mathematical Science
Department of Mathematics**



ज्ञान - विज्ञान विमुक्तये

International Conference on Fuzzy Mathematical Analysis and Advances in Computational Mathematics

FMAACM - 2020

27-29 MAR 2020

Venue: Department of Mathematics
Pondicherry University



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About Conference/Scope

International Conference on Fuzzy Mathematical Analysis and Advances in Computational Mathematics (FMAACM-2020) is organized by the Department of Mathematics, Ramanujan School of Mathematical Science, Pondicherry University and will be held during March 27-29, 2020. The primary objective of this Three day international conference is to bring together emerging researchers, eminent scientists and worldwide professionals associated with the field of fuzzy mathematics and advances in computational mathematics, and provide a high-quality forum for the discussion and dissemination of recent developments in the area. The conference includes plenary sessions and invited talks by eminent researchers and scientists in the field.

Contributions describing original research are invited.

Topics of interest for submission include, but not limited to the following :

- Fuzzy Rough Set Theory
- Fuzzy Optimization
- Fuzzy Clustering and Classification
- Fuzzy Computational Techniques in Data Analysis
- Uncertainty Modeling
- Fuzzy Control
- Fuzzy Information Processing
- Fuzzy Approaches in Knowledge Discovery
- Fuzzy Soft Computing Techniques
- Fuzzy Approaches in Machine Learning
- Clustering Techniques in Data Analysis
- Fuzzy Mathematical Approaches to Information Retrieval
- Computational Algebra
- Computational Group Theory
- Computational Fluid Dynamics
- Computation Number Theory
- Computational Graph Theory
- Computational Optimization
- Computational Numerical Analysis
- Numerical Methods for DEs



About Pondicherry

Pondicherry, officially known as Puducherry, is one of the Union Territories of India. A French colony until 1954, this picturesque town is a perfect amalgamation of the traditional Indian sensibilities and French architecture. Puducherry is famous for its beautiful beaches, colonial churches and Aurobindo Ashram. Auroville, which is conceived as the 'Universal Town', is one of the main attractions of Puducherry where tourists from across the world of all cultures and traditions come to visit. Some other attractive places to visit in the city are white town, promenade beach, paradise beach, serenity beach, temples, boat rides etc. Pondicherry is 160 km south of Chennai and is well connected by bus through East Coast Road (ECR).

About Pondicherry University

Pondicherry University, which is a Central University, was established under the Act of Parliament in 1985 by the Government of India. The University has grown from strength to strength over the years in all possible ways. The thrust areas of the University are Research and Innovations both in Science, Social Science & Humanities. The University has 15 Schools, 39 Departments, 11 Centres and one Chair, and offers PhD programmes in 51 disciplines, M.Tech in 8 disciplines, Postgraduate Programmes in 55 disciplines besides Post Graduate Diplomas and add-on Diploma. The eco-friendly campus and intellectually stimulating multi-cultural environment make the University very distinct and unique from other institutions in India. The University has been accredited by the National Assessment of Accreditation Council - NAAC (An autonomous institution of the University Grants Commission) with A Grade in 2018 for a period of 5 years. The University has a sprawling campus spreading over 780 acres of land, facing the Bay of Bengal on the East Coast Road and 12 km away from Pondicherry Bus stand.

About Ramanujan School of Mathematical Sciences (RSMS)

The Ramanujan School of Mathematical Sciences comprise of the Departments of Mathematics and Statistics. The main purpose of the School is to promote Mathematics and aims at imparting quality education in Mathematics and Statistics. Postgraduate study programmes in the Ramanujan School of Mathematical Sciences are structured carefully to explain the nuances and intricacies to the students. Dedicated and distinguished faculties grace the departments, and well-equipped laboratories with excellent computing facilities are available in the School. Vibrant research activities in emerging research disciplines are being carried out. Research projects funded by NBHM, DST and UGC add to the credit of the School. The School also paves way for a plethora of employment opportunities to the students by organizing Campus Placement Programmes by inviting various companies.



About Department of Mathematics

The Department of Mathematics, Pondicherry University was established in 1986. Since its inception the department offers M.Sc. and Ph.D. programmes in Mathematics and currently a 5-year integrated M.Sc. programme is also offered. Excellent computing and internet facilities are available in the department of Mathematics for smooth functioning of the productive and effective teaching and research activities. Blessed with dedicated and hardworking professors, the sole objective of the department is to impart knowledge, provide technical training and encourage qualitative research. The Department is supported by the University Grants Commission's Special Assistance Programme (SAP) for Research related activities, by the DST-FIST programme for the development of infrastructure, and by the National Board for Higher Mathematics (NBHM) through annual library grant for purchase of books. The following are the main research areas of the department: Commutative Algebra, Representation Theory of Algebras, Fuzzy clustering in High Dimensional Data Analysis, Graph Theory, Hydrodynamic Stability, Number Theory & Special Functions, Differential Equations, Numerical Analysis and Topological Dynamics.

Registration

Students/PhD Scholars

INR 2000 (Resident Indians) / USD 100 (Foreign)

Faculty/Industry Delegates

INR 2500 (Resident Indians) / USD 150 (Foreign)

The above registration fee per participant includes attendance, program kit, conference lunches [3], conference dinners [3] and light refreshments, excluding accommodation. Certificates will be issued only to participants who have registered for the Conference. Certificates will not be issued if none of the presenters make themselves available during presentation. In case of any clarifications, please write to fmaacm2020@gmail.com.

Scanned copy / Hard copy of duly signed registration form along with proof of fund transfer to the account [Screenshot of Transaction ID] shall be sent to:

The Convener

FMAACM-2020

Department of Mathematics

Ramanujan School of Mathematical Sciences

Pondicherry University

Pondicherry - 605 014

or

fmaacm2020@gmail.com



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Important Dates

Last Date of Abstract Submission

February 10, 2020

Acceptance or Rejection of Participation

February 20, 2020

Last Date of Full Paper Submission For Review by Conference Board

March 10, 2020

Intimation to Authors of Selected Papers for Subsequent Submission to the Journal/Edited Volume

Will be updated soon

Submission of Full Paper to the Journal/Edited Volume

Will be updated soon

Acceptance of Paper for Presentation by

March 10, 2020

Conference Registration

February 20 - March 20, 2020

Accommodation

A limited number of rooms are reserved for conference participants. Accommodations will be provided on first come first serve basis against minimum charges. Participants are encouraged to book in advance to avoid disappointments.

Delegates looking for accommodation outside conference venue can find in any of the below listed hotels.

Hotel Name	Official website	Distance from Venue
Shenbaga Hotel and Convention Centre	http://www.shenbagahotel.com/	17 min (9.3 km) via East Coast Road
Hotel Atithi	https://www.atithipondicherry.com/	18 min (9.5 km) via East Coast Road
Hotel Surguru	http://www.hotelsurguru.com/	18 min (8.9 km) via Mahatma Gandhi Road and East Coast Road
Anandha Inn Hotel Convention Center and Suites	http://www.anandhainn.com/	20 min (9.0 km) via Mahatma Gandhi Road and East Coast Road
Bon Sejour	http://www.hotelbonsejour.com/	26 min (12.2 km) via East Coast Road

For further details, please contact the coordinators at
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Submission Guidelines

a. General Guidelines :

- Manuscripts should be a single word document.
- Authors are expected to submit original and unpublished manuscripts, that should not be submitted elsewhere.
- Authors will be considered responsible for any copyright issues.
- Accepted manuscripts should not appear in any other conference proceedings or journals.
- One registration is mandatory against each accepted manuscript.
- The manuscript should be typewritten in Times New Roman font [12 font size, single line spacing, 1-inch margin on all sides of the document].
- All submissions will go through blind review process. Hence, interested participants should not leave any identification opportunity in their submitted manuscripts.
- Authors should attach a short biographical note which includes full author name(s), full official address(es), and e-mail(s), on a separate word document so as to facilitate the blind peer review. An email address should be provided for the corresponding author. The main paper/abstract must in no way contain or bear the author's name(s), initials or credentials. Failure to ensure this step may result in rejection.
- Both the original manuscript and the biographical note must be submitted via the conference email address - fmaacm2020@gmail.com.
- Multiple submission of the same manuscript is discouraged.

b. Guidelines for Abstract Structure :

- A single word document should be submitted for any given paper.
- The document should contain the title of the research work followed by the content of the abstract with key words (maximum 4).
- The acceptable word range of abstract is 400-500 words.
- Authors are encouraged to send an informative abstract, justifying the content of the paper.
- Referencing in abstract is discouraged.

c. Guidelines for Paper Structure :

- On acceptance of abstract, authors must submit the final paper within the deadline specified in the important dates.
 - A single word document should be submitted for any given paper.
 - The document should contain the title of the research work, the content of abstract submission, keywords (maximum 4) followed by the full paper.
 - Tables and figures to be indicated by numbers separately (see Table 1), not by placement (see Table below).
 - All tables and figures should be cited.
 - Sources for figures should be mentioned irrespective of whether or not they require permissions.
 - The onus is on the author to obtain the necessary permissions for reproduction of any materials used in the paper including tables, figures or any illustrations for which the author does not hold copyright.
 - A consolidated listing of all books, articles, theses and documents referred to (including any referred tables, graphs and maps) should be provided at the end of the article. Guidelines specified in the Publication Manual of the American Psychological Association (6th edition) must be followed.
- Failure to follow the above guidelines may result in rejection of submission.



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