

CALL FOR PAPERS:

The Abstract for contributory presentations and also for Poster presentations in .pdf and .tex format (Please note that Full Length Papers are not required) be submitted to acadsecrims@gmail.com. Last date of Submission is November 20, 2020. Abstract should be brief and should not exceed 250 words. The use of formula and symbols should be minimized. The abstract should be as per the template given in conference website <https://vit.ac.in/IMS/>. The notification inviting papers for the Prizes Session and Awards Session can be found at <http://www.indianmathsociety.org.in> under the links Call for Papers.

IMS SUBJECT CLASSIFICATIONS

- Combinatorics, Graph Theory, Logic, Discrete Mathematics etc.
- Algebra, Number Theory, Lattice Theory and History of Mathematics.
- Real and Complex Analysis (including Special Functions, Summability and Transforms etc) and Teaching of Mathematics.
- Functional Analysis, Measure Theory, Probability Theory and Stochastic Processes, and Information Theory.
- Differential / Integral / and Functional Equations.
- Geometry and Topology.
- Numerical Analysis, Approximation Theory and Computer Science.
- Solid Mechanics, Fluid Mechanics, Astrophysics and Relativity, and related areas.
- Mathematical Modelling, Bio-Mathematics, Operations Research etc.

IMS PRIZES

In order to encourage young and budding researchers in mathematics, the IMS organizes a special Competition Session of Paper Presentation during its Annual Conferences for various Prizes to be awarded to the best research papers presented. The notification inviting papers for the IMS Prizes can be found at <https://vit.ac.in/IMS/>.

Last date of receiving the submission of papers is October 31, 2020

IMS MEMBERSHIP

Only the members of the Society are entitled to participate in the Academic Programmes or present their papers in the Conference. In case of joint authorship of a manuscript, all the authors are required to be members of the Society.

MEMBERSHIP OF THE SOCIETY

(a). For Indian Citizens:

Life Membership fees: Rs. 2500/-

Annual/Sessional* Membership fees: Rs. 300/-

(b). For foreigners:

i. Life Membership fees: US\$ 150/-

ii. Life Membership for members of the Societies having Reciprocity arrangement with IMS: US\$ 100.

iii. Life Membership for persons from SAARC countries: US\$ 50/-

iv. Annual/Sessional* Membership: US\$ 15/-

Sessional Members are those who join the Society only for a particular Session. They may contribute papers for presentation and/or participate in any of the academic programmes held during the Session.

• **Membership Form** can be down loaded from conference website <https://vit.ac.in/IMS/>

• If someone wishes to become a Sessional member at the venue of the Conference, Sessional membership fees is collected by the Host Institution.

REGISTRATION FEE

The last date for registration: 15 th November, 2020

The registration process is done through the VIT website via Events, VIT Vellore portal. In order to register, please visit <https://vit.ac.in/IMS/>. Sign up and follow the process for filling personal information and completing the fee payment.

CONTACT

For Paper Submission

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For Registration

Dr.B. Rushi Kumar

Local Organizing Secretary – IMS 2020

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Official Conference Email ID: ims2020.vit@gmail.com

Website: <https://vit.ac.in/IMS/>



VIT[®]

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)



86th Annual Conference of Indian Mathematical Society

IMS 2020

(An online conference)

An International Meet

December 17-20, 2020

Organized by
Department of Mathematics,
School of Advanced Sciences,
Vellore Institute of Technology
Vellore-632 014, TN, India

ABOUT THE CONFERENCE AND IMS

The Indian Mathematical Society (IMS) is the oldest and the largest Mathematical Society of the Country. Every year, the society organizes its annual conference at different locations of the country. The up-coming 86th Annual Conference of Indian Mathematical Society will be organized during 17-21 December 2020 at VIT, Vellore. The conference is intended to keep abreast of the latest developments in the field of Mathematics. More details about the IMS can be found at <http://www.indianmathsociety.org.in>. Details about the IMS 2020 can be found at <https://vit.ac.in/IMS/>

ABOUT VIT

Vellore Institute of Technology (VIT) was established with the aim of providing quality higher education on par with international standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. The campus has a cosmopolitan atmosphere with students from all corners of the globe. Experienced and learned teachers are strongly encouraged to nurture the students. The global standards set at VIT in the field of teaching and research spur us on in our relentless pursuit of excellence. The highly motivated youngsters on the campus are a constant source of pride. Our memoranda of understanding with various international universities are our major strength. They provide for an exchange of students and faculty and encourage joint research projects for the mutual benefit of these universities. Many of our students, who pursue their research projects in foreign universities, bring high quality to their work and esteem to India and have done us proud. With steady steps, we continue our march forward.

Recognized as an Institution of Eminence by Govt. of India.

VIT is the 15th best engineering institute of India and is ahead of all private engineering institutes as per the Govt. of India, NIRF ranking 2020.

ABOUT SAS

The School of Advanced Sciences (SAS) includes Mathematics, Physics and Chemistry disciplines. The School offers M.Sc., M.Phil. and Ph.D. programmes in these domains. The faculty of the entire School comprises qualified and goal-oriented members whose research expertise includes major frontier areas in Mathematics and Physics, Chemistry.

The School has been receiving research grants from various funding agencies such as DST, CSIR, DRDO, NBHM, BRNS, IGCAR, AERBA, NRB, ISRO and ARDB. The School has also been recognised by DST for support under the FIST programme. The School will be conducting various programmes such as InoVIT, National Science day, National Mathematics day and VIT Mathematical Meet, which are National and Regional level Math and Science contests for school children to create and encourage Mathematical and Scientific innovations among the students. For further details:

<https://vit.ac.in/schools/sas>

ABOUT THE MATHEMATICS DEPARTMENT

The department was established in 1984 as a part of the then-existing Vellore Engineering College. The department offers opportunities for the education and research in a wide spectrum of areas in Mathematics such as Algebra and Analysis, Differential Equations and their applications, Graph theory and applications, Cryptography, Numerical Analysis and Scientific Computing, Functional analysis, Mathematical Biology, Statistics and Operations Research, Fluid Dynamics, Solid Mechanics, CFD, Cosmology, Topology, Mathematical Modelling etc. The department runs several foundational courses in Mathematics for all students in Vellore campus pursuing various degree programs of the Institute. Besides, the Department also offers specialized courses in Masters Programs in Data Science, Computational Statistics and Data Analytics, Business Statistics and PhD programme. The department also contributes substantially towards organizing extension programmes such as conference, workshops, seminars and symposia on the latest topics. The department has strongly motivated faculty with diverse specialization in Mathematical/ Statistical/ Computing sciences providing the potential for pursuing research in basic sciences as well as in interdisciplinary areas of science, engineering and technology. The department is committed to training the students to make them motivated and dedicated engineers and scientists.

LOCAL ORGANIZING COMMITTEE

Patron : Dr. G. Viswanathan, Chancellor
Co-Patrons : Mr. Sankar Viswanathan, Vice President
Dr. Sekar Viswanathan, Vice President
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Co-Chair Person: Prof. K Karthikeyan, HOD(Mathematics)
Local Organizing Secretary : Dr. B. Rushi Kumar,
Local Organizing Committee Members: All Faculty and Research Scholars of Dept. of Mathematics, SAS, VIT

IMS EXECUTIVE COMMITTEE

President : Prof. B. Sury, Indian Statistical Institute, Bangalore
General Secretary : Prof. Satya Deo, Harish Chandra Research Institute, Allahabad
Academic Secretary : Prof. Peeyush Chandra, Formerly Professor, IIT Kanpur
Administrative Secretary : Prof. B. N. Waphare, Centre for Advanced Study in Mathematics, Pune University, Pune

ACADEMIC PROGRAMME

Plenary Talk:

- (i) Prof M. S. Raghunathan, CEBS, Mumbai
- (ii) Prof Harald Upmeyer, University of Marburg, Germany

34th P. L. Bhatnagar Memorial Award Lecture:

Prof Neela Nataraj, IIT Bombay.

31st Srinivasa Ramanujan Memorial Award Lecture:

Prof Anish Ghosh, TIFR Mumbai

31st Hansraj Gupta Memorial Award Lecture:

Prof Dinesh Khurana, Panjab University

31st V. Ramaswami Aiyer Memorial Award Lecture:

Prof Sanoli Gun, IMSc

One Hour Invited Talk :

Prof Ravi P. Agarwal, Texas A & M

Half an Hour Invited Talks:

- (i) Prof. S.P. Tiwari, IIT Dhanbad,
- (ii) Prof. Shakir Ali, Aligarh Muslim University
- (iii) Prof. K. S. Charak, Jammu University
- (iv) Dr. Pradip Majhi, Calcutta University
- (v) Prof. Samares Pal, University of Kalyani
- (vi) Prof. S Saravanan, Bharathiar University

SYMPOSIA TOPICS AND CONVENORS

- (i) Chandrasekharan Centenary Symposium in Number Theory – Prof. Srinivas Kotyada, IMSc
- (ii) History of Indian Mathematics - Prof. Ms Sriram Research Foundation, Chennai
- (iii) Industrial Mathematics: Modeling, Optimization, Simulation – Prof.S. Sundar, IIT Madras
- (iv) Graph Theory and Combinatorics (In Honour of S S Shrikhande) – Prof. S Sane, CMI
- (v) Topology and Geometry - Prof. Parameswaran Sankaran, CMI
- (vi) Biomechanics – Prof. B V Rathish Kumar, IIT Kanpur