



VIT[®]
UNIVERSITY
(Estd. u/s 3 of UGC Act 1956)

SIAM-VIT
Society for Industrial and Applied Mathematics

INTERNATIONAL CONFERENCE ON ADVANCES IN MATHEMATICAL SCIENCES

1ST, 2ND & 3RD DECEMBER

**THEME: Emerging Trends of Mathematics
in Science, Engineering and Technology**

ORGANISED BY

Department of Mathematics

School of Advance Sciences

VIT University

Vellore - 632014

in association with SIAM-VIT

SPONSORED BY CSIR



About VIT University

VIT University 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. In fact, it has become a way of life for us. 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. We look forward to meeting you here at VIT.

History of VIT

VIT was established under Section 3 of the University Grants Commission (UGC) Act, 1956, and was founded in 1984 as a self-financing institution called the Vellore Engineering College. The Union Ministry of Human Resources Development conferred University status on Vellore Engineering College in 2001. The University is headed by its founder and Chancellor, Dr. G. Viswanathan, a former Parliamentarian and Minister in the Tamil Nadu Government. In recognition of his service to India in offering world class education, he was conferred an honorary doctorate by the West Virginia University, USA. Sankar Viswanathan, Sekar Viswanathan and G.V. Selvam are the Vice-Presidents; Dr. Anand A. Samuel is the Vice-Chancellor and Dr. V. Raju and Dr. S. Narayanan are the Pro-Vice-Chancellors.

School of Advanced Sciences

The School of Advanced Sciences (SAS) includes Physics, Chemistry and Mathematics divisions. The school offers M.Sc., M.Phil. and Ph.D. programmes in these disciplines. The faculty of the school comprises qualified and goal-oriented members whose research expertise include major frontier areas in Physics, Chemistry and Mathematics. Currently, the faculty strength of the school is 186. In addition, the school benefits from the service of 30 non-teaching staff members. The curriculum keeps abreast of the latest advancements in the respective domains and endeavors to develop scientists of high quality. Graduates from the school are much sought-after by companies in India and many have secured admissions in prestigious institutions and companies abroad.

Department of Mathematics

Mathematics is an essential component of all engineering disciplines. The Mathematics department has 81 faculty members who support the other engineering departments through teaching and are also actively involved in academic research in different areas such as Algebra, Theoretical and Computational Fluid Dynamics, Mathematical modelling, Complex Analysis, Geometric Function Theory, Graph Theory, Stochastic Processes and Queuing Theory, Coding Theory and Theory of Computation, Fuzzy Logics, Optimal Control Problems and Numerical Methods. Several research projects of the department are financially supported by some of the leading funding agencies such as CSIR, DRDO, DST and MHRD. The department is also serving the requirements of the leading industries through consultancy projects.

About SIAM VIT

SIAM stands for Society for Industrial and Applied Mathematics. It is one of the most prestigious community where enthusiasts of mathematics and its applied applications can contribute, nurture and enhance their interests. Applied mathematics, in partnership with computational science is essential in solving many real world problems. Our mission is to build cooperation between mathematics and the world of science and technology through publications, research and community through membership activities, publications of journals, books and conferences.

SIAM in VIT aims at dispensing the required tools and knowledge for students to excel in fields of applied mathematics such as computational science, forensics, cryptography etc. It provides a bridge for students to apply the classroom knowledge to real world applications and push the boundaries of their curriculum to explore their field of interest through projects, research, industrial visits and internships. It is the only chapter in VIT that takes all the branches under its wings and therefore has a huge outreach.

About ICAMS

ICAMS 2017 aims to establish a premier international forum that brings together the Mathematicians, Engineers and Industrial experts to present the latest achievements and innovations in the areas of Mathematics to discuss thought-provoking developments and challenges, in order to select potential future directions. The major objective of the conference is to promote scientific and educational activities towards the advancement of common man's life by improving the theory and practice of various disciplines of Mathematics. The conference includes keynote address and invited talks by eminent invited speaker around the world, and oral presentation by participants.

Publications

All academicians and researchers are invited to submit original manuscript for presentation. For more information and submission guidelines, please go to ICAMS2017 website, www.vit.ac.in/ICAMS2K17

Full Paper Submission

ICAMS2017 is now accepting full Paper submissions in appropriate LATEX/WORD format of any one of the below-listed journals. Prospective authors are invited to submit the manuscripts through email to icams2k17@gmail.com. An acknowledgment email for the receipt of the submitted manuscript will be sent within two (2) working days. If the authors have not received the acknowledgment email or the result notification emails within the above specific period, they can contact us at icams2k17@gmail.com.

TOPICS:

The interest areas of the conference include but are not limited to:

1. Algebra
2. Analysis
3. Differential Equations
4. Geometry
5. Mechanics
6. Operations Research
7. Statistics
8. Graph Theory and combinatorics

All the manuscripts presented in ICAMS 2017 will be published in any one of the following SCOPUS Indexed Journals/Book Series:-

1. **Trends in Mathematics – Springer** (Indexed in Scopus, Scimago JR; 100 selected manuscripts of length 8 to 10 pages will be published without any publication charges: LaTeX Template)
2. **Journal of Mathematical and Fundamental Sciences** (Indexed in Scopus, Thomson-Reuters Emerging Sources Citation Index (ESCI), Scimago JR; 10 selected manuscripts will be published with publication fee US \$100 per manuscript up to 15 pages; Word Template)
3. **Research Journal of Pharmacy and Technology** (Indexed in Scopus, Scimago JR; Selected manuscripts in the area of Medical Science will be published with publication fee Rs. 2000 per manuscript up to 15 pages; Word Template)
4. **Defect and Diffusion Forum** (Indexed in Scopus, Scimago JR; Selected manuscripts in the area of Fluid Dynamics will be published with publication fee 40 Euro per manuscript of length 6 to 8 pages; Word Template)
5. **International Journal of Pure and Applied Mathematics** (Indexed in Scopus, Scimago JR; Selected manuscripts will be published with publication fee US \$60 per manuscript of length 6 to 7 pages; LaTeX Template)

Some of the selected manuscripts will be recommended for publication in Thompson Reuters Impact Factor Journals.

Note: *Charges specified for Publication fee is exclusive of taxes and conversion*

Speakers

List of keynote speakers

1. Prof. Ayman Badawi, American University of Sharjah, UAE
2. Prof. Susmita Datta, University of Florida, USA
3. Prof. J. Praksah, University of Botswana, Botswana, SA
4. Prof. Stephen Haslett, The Australian National University, Australia
5. Dr. Santo Banerjee, University Putra Malaysia, Malaysia
6. Prof. S. Sundar, IIT Madras, Chennai
7. Prof. P. Veeramani, IIT Madras, Chennai
8. Prof. Victor Anandam, Institute of Mathematical Sciences, Chennai
9. Prof. Pradeep G. Siddheshwar, Bangalore University, Bangalore

List of Invited Speakers:

1. Dr. Matjaz Kovse, IIT Bhubaneswar, Bhubaneswar
2. Prof. K. N. Raghavan, Institute of Mathematical Sciences, Chennai
3. Prof. R. Uthayakumar, The Gandhigram Rural Institute, Dindigul
4. Prof. S. Sreenadh, S.V. University, Tirupati
5. Prof. S. Vijayakumar Varma, S.V. University, Tirupati
6. Prof. M. Marudai, Bharathidasan University, Tiruchirappalli
7. Prof. S. Srinivasan, VIT University, Amaravati
8. Dr. A.S.V. Ravikanth, NIT Kurukshetra, New Delhi
9. Dr. Satyananda Panda, NIT Calicut, Calicut
10. Dr. P. Pandian, VIT, Vellore
11. Prof. Indra Rajasingh, VIT University, Chennai
12. Mr. N. Vivekanandan, Central Water And Power Research Station, Pune
13. Prof. Nirmala P Rachagar, Annamalai university, Chidambaram

Contributed Talks:

1. Prof. P. Pandian, VIT University, Vellore
2. Prof. V.M. Chandrasekaran, VIT University, Vellore
3. Dr. P. Rajendran, VIT University, Vellore
4. Dr. M. Yamuna, VIT University, Vellore

Invited Presentations:

1. Dr. M. Kothandapani, University College of Engineering, Chennai
2. Dr. M. Shankar, Presidency University, Bangalore
3. Dr. R. Selvamani, Karunya University, Coimbatore
4. Dr. M. C. Raju, Annamacharya Institute of Technology and Sciences, Rajampet
5. Dr. P. Muralikrishna, Muthurangam Arts and Science College, Vellore
6. Dr. R. Jothilakshmi, Mazharul Uloom College, Vellore
7. Dr. A. Sabarmathi, Auxilium College, Vellore
8. Dr. Smrutiranjana Mohapatra, Veer Surendra Sai University of Technology, Sambalpur
9. Dr. B. Praba, SSN College of Engineering, Kalavakkam
10. Dr. Madhumita Gangopadhyay, University of Mumbai, Mumbai
11. Dr. M. Veera Krishna, Rayalaseema University, Kurnool
12. Dr. R. Sundara Rajan, Hindustan Institute of Technology and Science, Chennai
13. Dr. D. Ajay, Sacred Heart College, Tirupattur
14. Dr. A. Felix, VIT, Chennai
15. Dr. B.J. Balamurugan, VIT, Chennai
16. Dr. M. Seenivasan, Annamalai University, Chidambaram
17. Dr. K. Pattabiraman, Annamalai University, Chidambaram
18. Dr. K. Karthikeyan, VIT, Vellore
19. Prof. P A Dinesh, MSRIT, Bangalore

ICAMS Schedule

1st Dec'17

10:00 - 11:00	•	Inaugural Ceremony
Invited Talk	•	11:00 - 13:00
13:00 - 14:00	•	Lunch
Invited Talk	•	14:00 - 16:00
16:00 - 16:30	•	Invited Presentation
Paper Presentation	•	16:30 - 18:30

2nd Dec'17

Paper Presentation	•	8:00 - 10:30
10:30 - 11:00	•	Invited Presentation
Invited Talk	•	11:00 - 12:00
12:00 - 13:00	•	Invited Talk
Lunch	•	13:00 - 14:00
14:00 - 16:00	•	Invited Talk
Invited Presentation	•	16:00 - 16:30
16:30 - 18:30	•	Paper Presentation
Coding Event	•	16:00 - 18:00
18:00 - 21:00	•	Delegate's Dinner

3rd Dec'17

8:30 - 10:30	•	Paper Presentation
Invited Presentation	•	10:30 - 11:00
11:00 - 12:00	•	Invited Talk
Invited Talk	•	12:00 - 13:00
13:00 - 14:00	•	Lunch
Valedictory	•	14:00 - 15:30

Accommodation

<i>Category</i>	<i>Amount per Person per Day (in Rupees)</i>	<i>Venue</i>
Student Dormitory - Boys	350	VIT Men's Hostel
Student Dormitory - Girls	400	VIT Women's Hostel
Double Bed Non AC	600	Hotel near VIT
Double Bed AC	1000	Hotel near VIT

Note: Accomodation will be available on the basis of prior request.

Important Dates

Early Bird Registration:

First Announcement and Call for papers	:	1 September 2017
Submission of Full Paper Deadline	:	15 October 2017
Notification of Acceptance	:	31 October 2017
Early Registration & Payment Deadline	:	15 November 2017

Normal Registration:

Second Announcement and Call for papers	:	16 October 2017
Submission of Full Paper Deadline	:	21 November 2017
Notification of Acceptance	:	25 November 2017
Registration & Payment Deadline	:	26 November 2017

- Registration fee include Conference Kit,Lunch,High Tea and one night Delegate Dinner.

Conference Registration

<i>Category</i>		<i>Early Bird Registration</i>	<i>Normal Registration</i>
<i>National (In Rupees)</i>	Student	—1000—	1500
	Scholars	—1500—	2000
	Academicians	—2000—	2500
	Industrialists	—2500—	3000
	Accompanying person	—1000—	1500
	/ Participation only		
<i>International (In Dollars)</i>	Student	—100—	150
	Scholars	—150—	200
	Academicians	—200—	250
	Industrialists	—250—	300
	Accompanying person	—150—	150
	/ Participation only		

Methods of Payment

Option 1: Bank draft/ Cheques made in favour of “VIT University” payable at “VIT University, Vellore”

Beneficiary Name : VIT University

Bank Name : Indian Bank

Address: VIT University, Vellore – 632014, Tamil Nadu, India.

Account No : 407580397

IFSC Code : IDIB000V086

MICR Code : 632019000

PAN No : AAAJN0569M

Please mail the bank draft/cheque to: ICAMS2017, Department of Mathematics, VIT University, Vellore – 632014, Tamil Nadu, India.

Option 2: Electronic Fund Transfer through Registration Portal of ICAMS 2017

Option 3: Cash can be paid at the Finance office, VIT University, Vellore

Organizers

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Chancellor, VIT

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Vice President (Chennai Campus)
VIT University

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SIAM-VIT

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Note: For more details, visit our website - www.vit.ac.in/ICAMS2k17