



International Conference on Theoretical Computer Science and Discrete Mathematics

(ICTCSDM - 2018)

Sponsored by SERB & CSIR

December 03 – 05, 2018

Organized by

SSN College of Engineering (SSNCE), Chennai

About SSN

Sri Sivasubramaniya Nadar College of Engineering (SSNCE), founded by Dr. Shiv Nadar, Chairman of HCL Technologies, is a philanthropic venture to give back to the society that nurtured him. SSN CE has been highly-ranked and very reputed educational institution in Tamilnadu, India, stands out as a premier centre of higher learning with a mission of pursuing excellence in education and research. The institution, with their diverse and dynamic community of students, offer a distinctive combination of some of the finest graduate, undergraduate and research programs, accomplished faculty, world-class facilities and a residential campus set on a sprawling 250 acres of sylvan surroundings. SSN CE is accredited by National Assessment and Accreditation Council with A+ grade. National Board of Accreditation (NBA, AICTE, New Delhi) has accredited 7 UG and 4 PG programs. Within a span of 22 years, SSN has grown into one of the top educational institutions in the country. Some of the salient features of SSN are: Ranked 36th in Engineering Category and 73th among all educational institutions in India Rankings 2018 by NIRF, MHRD.

About Department of Mathematics

The Department of Mathematics has 17 faculty members with the Ph.D. degree working on diverse areas such as Fluid Mechanics, Harmonic Analysis, Dynamical Systems, Graph Theory, Fuzzy Theory, Algebraic Coding Theory, Image Processing, Stochastic Process, Queuing Theory, Analysis, Algebra, and Topology. The department has been recognized as a research centre of Anna University, Chennai and students are pursuing Ph.D. Programme.

About the Conference

Theoretical computer science deals with Mathematical aspects of computing. The major areas covered under this field include algorithms, data structures, logic, computational complexity, distributed computation, parallel computation, computational geometry, information theory, cryptography, quantum computation, computational number theory and algebra, automata theory, and the study of randomness. Work in this field is often distinguished by its emphasis on Mathematical technique and rigor.

Discrete Mathematics provides the underpinnings of most of the fields in Theoretical Computer Science.

Problems in many areas of Discrete Mathematics, such as Combinatorics and graph theory, naturally lend themselves to algorithmic techniques. Modern applications of discrete mathematics abound in areas such as business, social and physical sciences. This has fueled much research in Discrete Mathematics and Theoretical Computer Science, including that being carried out in the departments of Mathematics and Computer Science in various institutions all over the country and in several leading institutions outside the country.

The purpose of this conference is to bring together experts and young researchers and provide a platform for discussion of recent advances in the relevant research areas and presentation of research papers by young scientists. We hope to have in-depth discussion on the front-line challenging problems on various topics. It is hoped that in-depth discussions and lectures by the invited speakers will motivate the young researchers to enter into some of the highly fertile research areas in Theoretical Computer Science and Discrete Mathematics.

Call for Papers

Each paper, invited or contributed, will be refereed by two experts. Papers must be prepared in any form of LATEX using Article style. We encourage electronic submission of the **pdf file** of the paper via e-mail to the programme convener sundarakannanm@ssn.edu.in. We expect electronic submission of the Latex file of the final version of the paper via email to the above-mentioned addresses after notification of acceptance.

The proceedings of the conference will be published after the careful refereeing process as a special issue of **AKCE International Journal of Graphs and Combinatorics**. The contents of this journal are indexed in **Mathematical Reviews (AMS)**, **Zentralblatt MATH**, **SCOPUS** and also included in **Emerging Sources Citation Index (ESCI)**.

Registration & Accommodation

Last Date for Abstract and Full Paper Submission	Nov 05, 2018
Intimation of Selection	Nov 09, 2018
Last Date for Registration	Nov 16, 2018
Last Date for Registration with Late Fee	Nov 23, 2018 (INR 500)

Shared hostel accommodation will be provided for outstation participants. The registration fee should be paid in the form of Demand Draft (DD) in favor of “**The Principal, SSN College of Engineering**” payable at **Chennai (OR) through NEFT.**

Registration Fee

Indian Affiliated Delegates:

Students & Full-time Research Scholars: Rs.2000
Faculty & Others: Rs.3000
Accommodation Charges: Rs.500

Foreign Affiliated Delegates:

Students & Research Scholars: \$150 (USD)
Faculty & Others: \$200 (USD)

Bank details for NEFT

Beneficiary Name: The Principal, SSN College of Engineering

Account No: 158100050070022

IFSC No: TMBL0000158

Bank: Tamilnad Mercantile Bank

Branch: Thiruvannamiyur, Chennai-600041

MICR: 600060010

Send the completed registration form along with DD to the following address.

Dr. M. Sundarakannan
Convener, ICTCSDM -2018,
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SSN College of Engineering,
Kalavakkam – 603110,
Chennai, Tamil Nadu.
sundarakannanm@ssn.edu.in
Mobile no: 9944558794

List of Invited Speakers:

- Prof. S. Arumugam**, Kalasalingam University, Krishnan Koil, Tamil Nadu
Prof. Chia Gek Ling, Universiti Tunku Abdul Rahman, Malaysia
Prof. T. Karthick, Indian Statistical Institute, Chennai, Tamil Nadu
Prof. Manjunatha Prasad, Manipal Academy of Higher Education, Manipal, Karnataka
Prof. A. Muthusamy, Periyar University, Salem, Tamil Nadu
Prof. Paulraj Joseph, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu
Prof. H.S. Ramane, Karnatak University, Dharwad, Karnataka
Prof. Md. Saidur Rahman, Bangladesh University of Engineering and Technology, Dhaka, Bangladesh
Prof. Slamun S, University of Jember, Indonesia
Prof. Somasundaram A, Birla Institute of Technology & Science, Dubai
Prof. T. Tamizh Chelvam, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu
Prof. Venkatesh Raman, Institute of Mathematical Sciences, Chennai, Tamil Nadu
Prof. S.V. Divya Rashmi, Vidyavardhaka College of Engineering, Mysuru, Karnataka

Prof. B.N. Waphare, Savitribai Phule Pune University, Pune

Prof. Shariefuddin Pirzada, Department of Mathematics, University of Kashmir

Prof. S. Sampath Kumar, Department of Mathematics, SSN College of Engineering, Chennai

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