

KEYNOTE SPEAKERS

Prof. S. LAKSHMIVARAHAN
University of Oklahoma, USA

Prof. TAO-MING WANG
Tunghai University, Taiwan

Prof. SRIRAMAN SRIDHARAN
University of Perpignan, France

Prof. R. BALAKRISHNAN
Bharathidasan University, India

Prof. N. SRIDHARAN
Former Professor of Alagappa University, India

Prof. T.TAMIZH CHELVAM
Manonmaniam Sundaranar University, India

Prof. G.SURESH SINGH
University of Kerala, India

Prof. M. YAMUNA
VIT, Vellore, India

ADDRESS FOR COMMUNICATION

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Vice Chancellor, Alagappa University

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Registrar, Alagappa University

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Dr. R. Jeyabalan, Department of Mathematics
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ALAGAPPA UNIVERSITY



(A State University Accredited with A+ Grade by NAAC
(CGPA : 3.64) in the third cycle and Graded as Category-I
University by MHRD-UGC)

KARAIKUDI - 630 003
Tamil Nadu, India.



International Conference on DISCRETE AND COMPUTATIONAL MATHEMATICS "ICDCM 2018"

Under the Financial Support of
UGC-SAP (DRS-I)



December 20 - 21, 2018



Jointly Organized by

RAMANUJAN CENTRE FOR HIGHER MATHEMATICS
&
DEPARTMENT OF MATHEMATICS
ALAGAPPA UNIVERSITY

Alagappapuram, Karaikudi, Tamil Nadu, India.
www.alagappauniversity.ac.in

INVITATION

Greetings from Alagappa University. We have great pleasure to inform that the Department of Mathematics and Ramanujan Centre for Higher Mathematics (RCHM), Alagappa University, Karaikudi jointly organizing an International Conference on "DISCRETE AND COMPUTATIONAL MATHEMATICS - ICDCM'18" to be held during 20th & 21st December, 2018.

We cordially invite the faculty members and research scholars of your esteemed institution to participate in this International Conference.

ABOUT THE UNIVERSITY

Alagappa University Karaikudi, Tamil Nadu is accessible from Madurai and Tiruchirapalli Airports within 2 hours. This University has emerged from the galaxy of institutions initially founded by the Great Philanthropist and Educationist Dr. RM.ALAGAPPA Chettiar. Alagappa University was brought into existence by a Special Act of the Govt. of Tamil Nadu in May 1985.

Alagappa University is recognized by the University Grants Commission (UGC), New Delhi and Accredited with A+ Grade with CGPA of 3.64 by NAAC. Graded as Category-I University by MHRD-UGC.

The University has 39 Departments, 9 Centres and 3 Constituent Colleges.

As a member of the Association of Indian Universities (AIU), as well as the member of the Association of Common Wealth Universities (ACU), it has rewarding relations with other academic institutions, research laboratories and industrial establishments that promise a spectacular future.

The University's motto is "Excellence in Action" and the University keeps before it the vision of excellence in all spheres of its action.

ABOUT THE DEPARTMENT

The Department of Mathematics is one of the departments functioning from the inception of Alagappa University. The Department offers programmes of study and research leading to M.Sc., M.Phil., and Ph.D. degrees. Recently, the department has received the Special Assistance Programme (SAP) status from UGC for its contribution in research.

The department conducts various research activities in the areas of Algebra, Analysis, Topology, Lattice Theory, Differential Equations, Stochastic Process, Neural Network, Graph Theory, Fuzzy Mathematics and its Applications.

ABOUT THE RCHM

In order to extend the research activities to worldwide Ramanujan Centre for Higher Mathematics was started in the year 2006. The Research Centre provides opportunities for resident researchers, visiting research fellows, postdoctoral fellows and the doctoral students working in the following research areas like Abstract and Fractional Differential Equations, Stability Analysis of Dynamical Systems, Neural Networks, Synchronization and Chaos Theory, Genetic Algorithms and Regulatory Networks, Graph Theory, Discrete Mathematics, Algorithmic and Algebraic Graph Theory. Also, the Centre aims to conduct and foster outstanding research and learning methods in both pure and applied mathematical sciences, thus contributes and motivates to the next generation of the faculty members and research students in many spheres and the advancement of multicultural environment.

CALL FOR PAPERS

Authors are kindly invited to submit their abstracts as per the call for papers schedule below.

Interested topics of the conference include but are not limited to :

- ▶ Algebra
- ▶ Analysis
- ▶ Topology
- ▶ Numerical Analysis
- ▶ Mathematical Engineering
- ▶ Neural Networks
- ▶ Applied Mathematics and Modeling
- ▶ Discrete Mathematics
- ▶ Graph Theory and Network Problems
- ▶ Fuzzy Mathematics
- ▶ Computational Fluid Dynamics
- ▶ Algebraic Geometry
- ▶ Approximation Theory
- ▶ Lattices and Algebraic Structures
- ▶ Optimization
- ▶ Differential Equations

Original and unpublished works on all areas of Mathematics are invited for presentation in the conference. The full paper should reach the "Organizing Secretary" on or before 28.11.2018 through E-mail : icdcm18@gmail.com

IMPORTANT DATES

Submission of Abstract for Presentation	02.11.2018
Acceptance of Presentation	15.11.2018
Deadline for Registration and Submission of Full Paper	28.11.2018

REGISTRATION FEE DETAILS

S.No.	Discipline	
1.	Student & Research Scholars	₹. 750.00
2.	Faculty	₹. 1500.00
3.	Foreign Participant	\$ 100.00

MODE OF PAYMENT

Payment can be made in the form of DD in favour of "Organizing Secretary-ICDCM18 payable at Karaikudi.

ACCOMMODATION

Accommodation can be arranged on the basis of request and the charges have to be borne by the participants. Cost of accommodation in the University Hostels for Rs.250/- per person for stay only. (One room can be shared by 3 persons) and Hotels nearby to the venue ranging from Rs.850/- to Rs.1500/- are available.

PUBLICATIONS CRITERIA

Only presented and selected (after peer review process) papers will be considered for publication in the following :

1. **Advances and Applications in Mathematical Sciences (UGC Approved and web of Science)**
2. **International Journal of Applied Engineering Research (UGC Approved)**
3. **International Journal of Pure and Applied Mathematics (Scopus indexed)**
4. **Scopus Indexed Journal (Elsevier)**

For publication, the authors may be requested to pay the applicable publication fee as per the journal requirement.



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20th & 21st December, 2018

REGISTRATION FORM

Name :

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Institution :

Address :

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Mobile No :

E-mail :

DD No. :

DD Amount. : DD Date :

Title of the Paper :

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Accommodation : YES / NO (Tick)

(Photocopy of this form may be used)