

NCAMN 2022
NATIONAL CONFERENCE
ON APPLIED MATHEMATICS
AND NUMERICS



jointly organized by
Post Graduate and Research
Department of Mathematics
MAR IVANIOS COLLEGE
(AUTONOMOUS), TRIVANDRUM
and

Department of Mathematics
Indian Institute of Space Science and Technology (IIST),
TRIVANDRUM

December 14, 15, 16

Dear Sir/Madam

The Post Graduate and Research Department of Mathematics, Mar Ivanios College, Trivandrum is organising a National Conference on Applied Mathematics and Numerics (NCAMN-2k22) in association with Department of Mathematics, IIST Trivandrum from 14-16, December 2022. We wholeheartedly invite you to the conference. Kindly bring this to the notice of Faculty members, Research Scholars, PG Students and Professionals of your esteemed institution.

Fr. Dr. Gigi Thomas
HoD, Mathematics
Mar Ivanios College

Dr. C. V. Anil Kumar
HoD, Mathematics
IIST Trivandrum

VENUE

Mar Gregorios Hall
Mar Ivanios College,
Trivandrum

CONTACT DETAILS



+91 9400734115



dept.maths@mic.ac.in



THRUST AREAS

- ▶ Differential Equations and their Applications
- ▶ Computational fluid Dynamics
- ▶ Numerical Analysis
- ▶ Algebraic Graph Theory
- ▶ Machine Learning
- ▶ Control and Inverse Problems
- ▶ Stochastic Processes and Applications

WHO CAN ATTEND?

- ▶ Industry Persons
- ▶ Faculty Members
- ▶ Researchers
- ▶ PG Students

PROGRAMME OBJECTIVE

The main objective of the conference is to survey the advancements and to enhance the understanding on Analysis, Differential Equations, Numerics and different disciplines of Applied Mathematics. The programme provides an interactive platform to the Academia, Researchers and Industry with the experts in the respective fields. The students are expected to inculcate the culture of research and to get a deep knowledge on the application of the core subjects.

PROGRAMME OUTCOMES

On the completion of this programme participants are expected to have a better understanding of various applications of the core areas of Mathematics as the programme helps in gaining knowledge on recent and relevant advancements in the specific disciplines.

SPEAKERS (INVITED TALKS)

- ▶ Prof. Dr A. Krishnamoorthy, Emeritus Professor, Department of Mathematics, CUSAT
- ▶ Prof. Dr Amiya Kumar Pani, Professor, IIT Bombay
- ▶ Prof. Dr M. P. Rajan, Professor, IISER Trivandrum
- ▶ Prof. Dr M Thamban Nair, Professor, IIT Madras
- ▶ Prof. Dr Natesan Srinivasan, Professor, IIT Guwahati
- ▶ Prof. Dr Raju K. George, Outstanding Professor, Dean (R&D, IPR) IIST Trivandrum
- ▶ Prof. Dr Sandeep K, Dean, Professor, TIFR Bangalore
- ▶ Prof. Dr Sourish Das, Associate Professor, IMSc Chennai
- ▶ Prof. Dr Sundar S, Director, NIT Mizoram
- ▶ Prof. Dr Umesh Chandra Gupta, Professor, IIT Kharagpur
- ▶ Prof. Dr Chaman Kumar, Assistant Professor, IIT Roorkee

MINI SYMPOSIA

THEMES

- ▶ Differential Equations, Numerics and Applications
- ▶ Machine Learning and Computing
- ▶ Differential Geometry and Analysis

SPEAKERS

- ▶ Prof. Dr E. Natarajan, IIST Trivandrum
- ▶ Prof. Dr Manil T Mohan , IIT Roorkee
- ▶ Prof. Dr Prosenjit Das, IIST Trivandrum
- ▶ Prof. Dr Asharaf S., Digital University Kerala
- ▶ Prof. Dr Sarvesh Kumar, IIST Trivandrum
- ▶ Prof. Dr Satyananda Panda, NIT Calicut
- ▶ Prof. Dr Sakthivel K., IIST Trivandrum
- ▶ Prof. Dr Ajeesh Ramanujan, CET Trivandrum
- ▶ Prof. Dr S. Sumitra, IIST Trivandrum
- ▶ Prof. Dr Subrahmanian Moosath K. S., IIST Trivandrum

PROGRAM

Day 1 (14/12/2022, Wednesday)

- 09.30 - 10.30 : Inaugural Session
- 10.30 - 10.45 : Tea Break
- 10.45 - 11.45 : Keynote Address
- 11.45 - 12.30 : Talk 1
- 12.30 - 01.30 : Lunch Break
- 01.30 - 02.15 : Talk 2
- 02.15 - 03.45 : Mini Symposium
- 03.45 - 04.00 : Tea Break
- 04.00 - 05.00 : Parallel Paper Presentation Sessions

Day 2 (15/12/2022, Thursday)

- 09.30 - 10.30 : Talk 3
- 10.30 - 10.45 : Tea Break
- 10.45 - 11.30 : Talk 4
- 11.30 - 12.30 : Talk 5
- 12.30 - 01.30 : Lunch Break
- 01.30 - 02.15 : Talk 6
- 02.15 - 03.45 : Mini Symposium
- 03.45 - 04.00 : Tea Break
- 04.00 - 05.00 : Parallel Paper Presentation Sessions

- ▶ 06.00 - 07.30 : Cultural Activities
- ▶ 07.30 : Conference Dinner

Day 3 (16/12/2022, Friday)

- 09.30 - 10.30 : Talk 7
- 10.30 - 10.45 : Tea Break
- 10.45 - 11.30 : Talk 8
- 11.30 - 12.30 : Talk 9
- 12.30 - 01.30 : Lunch Break
- 01.30 - 02.15 : Talk 10
- 02.15 - 03.45 : Mini Symposium
- 03.45 - 04.00 : Tea Break
- 04.00 - 05.00 : Valedictory Function

REGISTRATION FEE (INR)

Category	With accomodation	Without accommodation
Industry	6000	3000
Faculty	4000	1500
Research Scholars	2000	1000
PG Students	1000	300

Bank Name : Indian Bank
Branch : Nalanchira
Account No. : 7281122007
IFSC Code : IDIB000N010

For registration please visit :

www.mic.ac.in

Steps to register

- ▶ Visit www.mic.ac.in
- ▶ Click on **NCAMN 2022**
- ▶ Click on **Registration** and fill in the details

Fee payment

- ▶ Click on **Registration Fee**
- ▶ Click on **Pay Now**
- ▶ Click on **Print** to download the completed Registration form

CALL FOR PAPERS

Research papers are invited for presentation in the conference. Abstracts and full papers may be sent to :

ncamn2022@mic.ac.in

- ▶ Proceedings of the conference (containing abstracts only) will be published
- ▶ Selected papers will be published in a reputed indexed journal / ISBN indexed book by reputed publishers.
- ▶ Full paper submission is needed only after the conference (Date of submission of final paper and the journal processing charge will be intimated)

IMPORTANT CUT OFF DATES

Online Registration : 31/10/22

Abstract Submission : 15/11/22

Abstract Acceptance : 01/12/22

ORGANIZING SECRETARIES

- ▶ Dr Jill K. Mathew
Assistant Professor
Mar Ivanios College
Trivandrum
- ▶ Dr Kaushik Mukherjee
Department of Mathematics
IIST Trivandrum

Patron

His Beatitude Moran Mor Baselios Cardinal Cleemis Catholicos
(Major Archbishop of Trivandrum, Manager - MSC Colleges)

Principal

Prof. Dr Jijimon K. Thomas

FACULTY ORGANIZING COMMITTEE

- Dr K. L. Anandavally
- Dr T. R. Sivakumar
- Mr. Sumesh S. S.
- Ms. Tiji Thomas
- Dr Linda J. P.
- Dr Neeradha C. K.
- Dr Anusha Edwin
- Dr Sr Gency Joseph
- Ms. Sangeetha J. Chandran
- Ms. Simi Krishna C.
- Ms. Jolly Kumari R.
- Ms. Nivya Saji
- Ms. Reshma Mathew

