TOPICS AND SPEAKER

The investigation of flow problems requires robust and computationally efficient numerical techniques. Thus, it is planned to cover the following computational techniques (however, not limited to)

SHOOTING METHOD
Bharathi M. C.
Department of Mathematics,
Bengaluru City University, Bengaluru.

KELLER-BOX METHOD
Dr. Shashi Prabha Gogate S.
Department of Mathematics,
Ramaiah Institute of Technology,
Bengaluru.

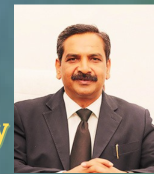
CHEBYSHEV COLLOCATION METHOD
Noor-E-Misbah
Department of Mathematics,
Bengaluru City University, Bengaluru.

MATRIX METHOD OF INTEGRATION
Dr. Kumbinarasaiah S.
Department of Mathematics,
Bangalore University, Bengaluru.

VENUE

Jnana Jyothi Auditorium
Bengaluru City University
https://maps.app.goo.gl/K6z3ETmMF8eU1n1F6

CHIEF PATRON



Prof. Lingaraja Gandhi
Vice-Chancellor
Bengaluru City University
Bengaluru.

PATRON

Sri. Sridhar C. N.
Registrar
Bengaluru City University
Bengaluru.

Dr. V. Lokesha
Registrar (Evaluation)
Bengaluru City University
Bengaluru.

Sri. Raghu G. P.
Finance Officer
Bengaluru City University
Bengaluru.

CONVENOR

Dr. Ramesh B. Kudenatti
Associtae Professor
Bengaluru City University
Bengaluru.

STAFF MEMBERS

Dr. Medha Itagi Huilgol
Dr. M. S. Mahadeva Naika

A Two-Day Workshop on

COMPUTATIONAL TECHNIQUES IN FLUID DYNAMICS

Organized by
Department of Mathematics
Bengaluru City University
Central College Campus
Bengaluru-560 001

ಬೆಂಗಳೂರು ನಗರ ವಿಶ್ವವಿದ್ಯಾಲಯ
BENGALURU CITY UNIVERSITY
BE BOUNDLESS

Sponsored by
Science and Engineering Research Board
under Core Research Grant
(CRG/2019/004806)

SERB INDIA

From 24th JAN to 25th JAN. 2023

ORGANIZER

Dr RAMESH B. KUDENATTI
Principal Investigator
Department of Mathematics
Bengaluru City University
Central College Campus
Bengaluru - 560 001
Karnataka, INDIA

ABOUT BENGALURU CITY UNIVERSITY

Befitting its locale in Bengaluru, Bengaluru City University (BCU) is situated in the heart of the silicon city of Bengaluru, fondly remembered as Central College. The Central College was one of the oldest colleges in India, started in the year 1858, and was originally and sequentially affiliated with the University of Madras, University of Mysore and Bangalore University (BU). In 2017, BCU trifurcated from BU and is emerging as one of the esteemed universities in the country.

ABOUT DEPARTMENT OF MATHEMATICS, BCU

The Department of Mathematics is one of the oldest departments started in 1886. Department has produced many eminent mathematicians who have been recognized on both national and international maps of mathematics. The objectives of the department are to impart quality education to those seeking admission to MSc., and PhD programs. Aims to promote theoretical and applied research in industries and other national institutes of higher learning. The department is actively engaged in exploring the applicability of mathematical ideas in exotic areas of real-world problems besides its engagement in traditional research in varied disciplines of mathematics.

ABOUT THE WORKSHOP

The workshop is organized for two days to spread sufficient knowledge and create awareness about research in young minds in the field of fluid dynamics. This program is organized and financially supported under the SERB-sponsored Core Research Grant Project "Linear Stability of the two-dimensional boundary layer flow in non-Newtonian fluids" under Scientific Social Responsibility (SSR). This program aims to provide a basic understanding of obtaining realizable solutions through numerical simulations which can help in solving challenging real-world problems with accurate mathematical modeling. It is planned to provide insights into various robust computational techniques employed in stability analysis. It also aims to promote and inculcate research in Mathematics and a learning platform to interact with eminent research professionals and academicians.

REGISTRATION DETAILS

No Registration fee.
Only 60 participants will be selected.

Link for Registration:
https://forms.gle/LJFhyZkzByboiKG48
Last Date for Registration
18/01/2023

CONTACT DETAILS

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