



PRESIDENCY UNIVERSITY

BENGALURU



SCHOOL OF ENGINEERING DEPARTMENT OF MATHEMATICS

is organizing an

INTERNATIONAL CONFERENCE ON **GRAPH THEORY AND ITS APPLICATIONS**

ICGTA-2024

20 – 22 JUNE 2024

PRESIDENCY UNIVERSITY

Presidency University strives to provide high-quality education and innovative learning approaches that equip students with the skills and knowledge needed to excel in their chosen careers and contribute to society as responsible and engaged citizens. With its emphasis on interdisciplinary learning and outcome-based education, the University prepares students to think critically, solve problems, and adapt to changing situations in the global arena.

The Presidency Group of Institutions (PGI) comprises eight schools, four colleges, and a university. While the university and colleges offer programs at both the undergraduate and postgraduate levels in engineering, computer science, information science, commerce and economics, arts, management, design, and media, the schools offer National and International Boards of Studies. With nearly fifty years of experience in education, from kindergarten to higher education, PGI has established itself as a leader in providing quality education.

ABOUT DEPARTMENT

The Department of Mathematics under the School of Engineering has been vigorously engaged in both research and teaching. The department offers the Ph.D. program and other mathematics courses for engineering departments. At present, the department has 39 energetic and dedicated faculty members who are actively involved in research activities in areas like differential equations, real analysis, complex analysis, graph theory, fluid mechanics, differential geometry, operation research, cryptography, coding theory, and topology.

ABOUT THE CONFERENCE:

Graph theory is rapidly moving into the mainstream of mathematics, mainly because of its applications in diverse fields, which include biochemistry (genomics), electrical engineering (communications networks and coding theory),

computer science (algorithms and computations), and operations research (scheduling). The powerful combinatorial methods found in graph theory have also been used to prove significant and well-known results in a variety of areas of mathematics itself.

ACADEMIC PROGRAM COMMITTEE

Prof. S. Arumugam

Kalasalangam University, Krishnankoil - India

Prof. Atsuhiro Nakamoto

Yokohama National University - Japan

Prof. R. Balakrishnan

Bharathidasan University, Tiruchirappalli - India

Prof. Ian Wanless, Monash University - Australia

Prof. Narayanan N

Indian Institute of Technology Madras, Chennai - India

Prof. Niranjana Balachandran

Indian Institute of Technology Bombay, Mumbai - India

Prof. Pálvölgyi Dömötör

Eötvös Loránd University, Budapest - Hungary

Prof. Rajeshwari M

Presidency University, Bengaluru - India

Prof. Ryan Martin, Iowa State University - USA

Prof. K. Somasundaram

Amrita Vishwa Vidyapeetham, Coimbatore - India

CHIEF PATRON

Dr. Nissar Ahmed

Honourable Chancellor, Presidency University

PATRONS

Dr. Anubha Singh, Vice-Chancellor In-charge

Dr. Muddu Vinay, Pro Vice Chancellor - SOM & SOL

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Dr. C S Ramesh, Dean - Research & Innovations

Dr. Abdul Sharief, Dean - SOE

Dr. Shrishail B. Anadinni, Associate Dean - SOE



INVITED SPEAKERS

Prof. Allan Lo, University of Birmingham - UK

Prof. S. Arumugam

Kalasalingam University, Krishnankoil - India

Prof. Attila Sali

Alfréd Rényi Institute of Mathematics, Budapest - Hungary

Prof. Atsuhiko Nakamoto

Yokohama National University - Japan

Prof. Ayman Badawi

American University of Sharjah - UAE

Prof. R. Balakrishnan

Bharathidasan University, Tiruchirappalli – India

Prof. Ian Wanless, Monash University - Australia

Prof. Karl Magnus Heuer

Technical University of Denmark - Denmark

Prof. T. Karthick

Indian Statistical Institute, Chennai Centre, Chennai – India

Prof. Lavanya

Indian Institute of Technology (BHU), Varanasi- India

Prof. Michael Drmota, Vienna University of Technology,

Institute for Discrete Mathematics and Geometry - Austria

Prof. Narayanan

Indian Institute of Technology Madras, Chennai - India

Prof. Niranjana Balachandran

Indian Institute of Technology Bombay, Mumbai – India

Prof. Pálvölgyi Dömötör

Eötvös Loránd University, Budapest – Hungary

Prof. Ryan Martin, Iowa State University - USA

Prof. S. Sivaramakrishnan

Indian Institute of Technology Bombay, Mumbai – India

Prof. K. Somasundaram

Amrita Vishwa Vidyapeetham, Coimbatore - India

CALL FOR PAPERS

The conference will provide an opportunity for interactive discussion with experts on research in all areas of graph theory. Original research papers are invited from research scholars, academicians, and industrialists on graph theory and its allied areas. Authors who want to present their research papers are invited to submit a full paper in Latex. Accepted papers are expected to be presented at the conference. All the research papers for the conference are to be e-mailed to the conference coordinator at icgta2024@presidencyuniversity.in

Papers presented in the conference will be thoroughly referred as per the norms of the journals and authors will be directed to submit their article in any one of the following journals:

- **Communications in Combinatorics and Optimization (CCO)**
- **AKCE International Journal of Graphs and Combinatorics**



Registration Link

<https://forms.gle/DpF49hAqLxdTwaUw8>

Scan for Registration

IMPORTANT DATES

Full Paper Submission	15-May-24
Announcement of Acceptance	31-May-24
Registration for Participation	5-Jun-24
Conference Dates	June 20-22, 2024

REGISTRATION

Registration Fee.	Indian Participant: Rs. 2360 (2000 + 18% GST)
	Foreign participants: 100 USD

Registration and payment have to be done online.

A payment link will be mailed to all the registered participants after the registration is accepted.

Registration fee includes food and accommodation.

CONTACT DETAILS

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Organizing Secretary

Department of Mathematics

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