

Amrita University

Amrita Vishwa Vidyapeetham (AMRITA), twice accredited with an A grade by NAAC, celebrates the first decade of service to the society and humanity. Under the inspiring and motivating leadership of the Divine Mother Mata Amritanandamayi Devi as Chancellor, AMRITA is marching forward towards higher goals and accomplishments and scaling greater heights of excellence. AMRITA was conferred the status of a University under "Section 3 of UGC Act 1956" by the Government of India in 2003. The University is spread over five campuses at Amritapuri, Bengaluru, Coimbatore, Kochi and Mysore in three different states. The University offers over 150 undergraduate, postgraduate and doctoral programmes in twenty disciplines including Engineering, Management and Medicine. It has a student population around eighteen thousand and a faculty strength of two thousand.

Right from the inception research has been a very significant activity at AMRITA University. The research activities at AMRITA are directed towards societal, humanitarian and community development and relief. Many centres of excellence have been started in cutting-edge areas with the support of major national laboratories, industry leaders and agencies.

AMRITA has also bagged / filed fifty major patents and inventions in the past few years. A Memorandum of Understanding (MoU) was signed in 2005 with various US universities, some of them are ranked among the best universities in the world. AMRITA has active tie-ups and collaborations with over 75 universities in USA, Europe, Australia, Japan etc. All these have made AMRITA one of the most sought after universities by top ranking students from all parts of the country and abroad.

Important dates

Full paper to be sent before

15th September, 2015

Announcement of acceptance

15th October, 2015

Registration for Accommodation

30th October, 2015

Conference Dates

16th - 19th December, 2015



AMRITA
VISHWA VIDYAPEETHAM
UNIVERSITY

Established via 3rd UGC Act 1956

(Accredited with A Grade by NAAC)

Amritanagar, Coimbatore - 641 112

Tamil Nadu, INDIA

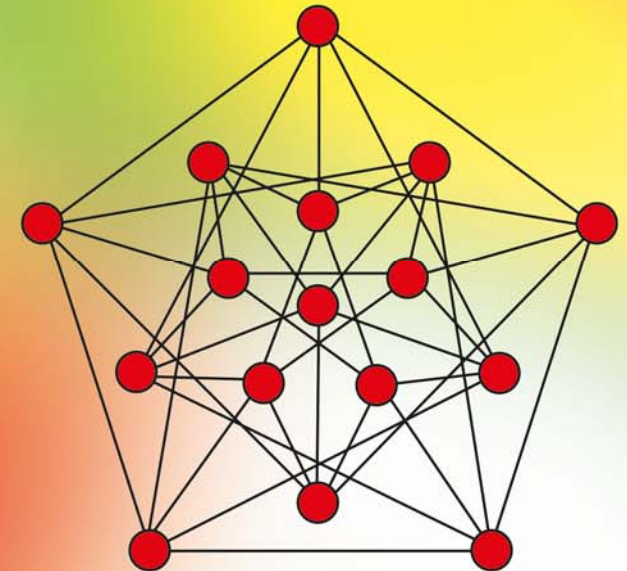


International Conference on

GRAPH THEORY and its APPLICATIONS

(ICGTA 2015)

December 16 - 19, 2015



Organized by

Department of Mathematics
Amrita School of Engineering
Amrita Vishwa Vidyapeetham
Amritanagar, Coimbatore - 641 112, Tamil Nadu, India

About the Department

The Department of Mathematics, Amrita School of Engineering, Coimbatore has been actively engaged in both research and teaching. The department has at present 25 faculty members who are all involved in research activities in the areas like, Network on Chip, Regression Analysis, Fractal Theory, Six Sigma, Fluid Dynamics, Lie Algebra, Graph Theory, Cryptography and Bio-Statistics. The department offers Ph.D Programme and Integrated M.Sc. Programme in Mathematics.

The conference will be held at the Coimbatore Campus of the AMRITA University which is located in a serene village on the foothills of Western Ghats at Amritanagar, Ettimadai, 20km away from Coimbatore.

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 in mathematics itself.

Major Themes of the Conference

The Conference will cover a wide range of topics which include, but are not limited to:

- **Graph Theory**
- **Algorithms and Computing Techniques**
- **Graph Optimization**
- **VLSI Design and Testing**
- **Networks**
- **Communications and Control Theory**

Academic Program Committee

- Prof. R. Balakrishnan, Bharathidasan University, India.
- Prof. S. Arumugam, Kalasalingam University, India.
- Prof. R.B. Bapat, ISI, Delhi, India.
- Prof. Pavol Hell, Simon Fraser University, Canada.
- Prof. Andreas Hinz, University of Munchen, Germany.
- Prof. Bharat Jayaram, University of Buffalo, USA.
- Prof. Andre Raspaud, Universite Bordeaux, France.
- Prof. G.R Vijayakumar, TIFR, Mumbai, India.
- Prof. Xuding Zhu, National Sun Yat-sen University, Taiwan.

Call for papers

The conference will provide an opportunity for interactive discussion with experts on research in the areas of Graph Theory and its Applications. 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 full paper in English not more than 12 pages (preferably in word, 11pt font, Times New Roman formatted for A4 size paper). All the research papers for the conference are to be sent to the conference coordinator through e-mail (icgta15@cb.amrita.edu) along with registration form. Accepted papers are expected to be presented at the conference.

Papers presented in the conference will be thoroughly refereed by the conference editors and will be published in the form of Conference Proceeding.

Selected papers will be published in Electronic Notes in Discrete Mathematics (Elsevier).

Registration

Interested participants should register by sending the filled - in registration form along with the prescribed registration fee (Rs. 2000 /- for Indian participants and USD 250/- for participants from outside India) in the form of demand draft drawn in favor of “**Amrita Technology**” payable at Kochi.

The registration fee covers food, accommodation and proceedings.

Weather during December in Amritanagar, Coimbatore is pleasant.

www.amrita.edu/site/icgta15

Address for communication

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