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Prof. P.K. Jain
Director, IIT(BHU), Varanasi
Patrons
Prof. T. Som
Head, Department of Mathematical Sciences,
IIT (BHU) Varanasi
Convenor
Dr. Lavanya Selvaganesh

Academic Programming Committee:
India:
- ❖ Prof. R. Balakrishnan, Bharathidasan University, Trichy , Tamilnadu
- ❖ Prof. R.B. Bapat, Indian Statistical Institute, Delhi.
- ❖ Dr. Lavanya Selvaganesh, IIT(BHU), Varanasi, Uttar Pradesh
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- ❖ Prof. Ambat Vijayakumar, Cochin University of Science and Technology, Kerala

Taiwan:
- ❖ Prof. Tao Ming Wang, Tunghai University, Taiwan.
- ❖ Professor Chih-Wen Weng, National Chiao Tung University.
- ❖ Professor Wei-Tian Li, National Chung Hsing University.
- ❖ Professor Fei-Huang Chang, National Taiwan Normal University.

Local Organizing Committee
- ➢ Faculty members, Department of Mathematical Sciences, IIT(BHU)

Important Dates
Conference dates   *15–18 November, 2019*
Early Registration Deadline   *01 September, 2019*
Registration Deadline   *15 October, 2019*

About the City
The holy city of Varanasi is known as the city of temples and learning. It is also known as Kashi and Benaras. Being one of the seven holiest cities, Varanasi is the oldest city of the world, ageing more than 3000 years old and is famous as the city of temples and the most popular pilgrimage point for the Hindus. Sarnath is about 10 Km from Varanasi, famous for the museum, excavation sites and its Buddhist temples bear the testimony of amalgamation of Indian culture with the neighboring countries. The city is reputed for silk fabrics, perfumes, artistic brass and copper wares and a variety of handicrafts. This vibrant city with multiple dimensions of knowledge and liberation has a magnetic attraction for people all over the world.

Route to Varanasi
Varanasi is well connected by road, rail and air with all the important places of India. IIT (BHU) is co-located with the famous Banaras Hindu University and is situated at 10 Kilometers from Varanasi railway station, 20Kilometers from Mughalsarai railway station, 5kms from Manduadih station and 35 Kilometers from the airport. Regular flights are available to Varanasi from all major cities in India.

About the Department
The Department of Mathematical Sciences, IIT (BHU) earlier known as Department of Applied Mathematics has been functioning since 1968. Its importance lies in the fact that it caters to the needs of the undergraduate as well as post-graduate students of the Institute. In addition, the Department runs its own 5-year Dual Degree (BTech & MTech) program in Mathematics & Computing. Computing is the glamour of the Department. It annexes several dimensions in terms of new and growing areas of research and further facilitates simulation of mathematical models in interdisciplinary areas.

Sixth India – Taiwan Conference on Discrete Mathematics (6th - ITCDM - 2019)

November 15-18, 2019

Organized by

Department of Mathematical Sciences Indian Institute of Technology (BHU) Varanasi

Convenor
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Indian Institute of Technology (BHU)
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Purpose and History

ITCDM is a forum for discrete mathematics researchers from Taiwan and India to showcase the recent advances in their respective fields of study. Through this conference we also aim to give to the registered participants an exposure to new avenues of research and a chance to interact with subject experts and to stimulate joint research work among researchers from both India and Taiwan.

The ITCDM takes place once every two years hosted alternately in Taiwan and in India since 2009.

➢ First ITCDM was held at the Department of Mathematics, Taiwan University, Taiwan (9 – 12 September 2009)

➢ Second ITCDM was held at the Department of Mathematics, Amrita University, Coimbatore, India. (8 – 11 September 2011)

➢ Third ITCDM was held at the Department of Applied Mathematics, National Chiao-Tung University, Taiwan (19 – 22 November 2013)

➢ Fourth ITCDM was held at the Department of Mathematics, Indian Institute of Technology Madras, India (10 – 13 July 2015)

➢ Fifth ITCDM was held at the Department of Mathematics, Tamkang University, New Taipei city, Taiwan (18 – 21 July 2017)

Invited Speakers:

There will be around 40 Invited/Contributed talks by eminent and top researchers in the field from both India and Taiwan. For latest updates, please visit the website.

Topics to be covered:

The conference will have talks in the following major streams:

➢ Algebraic and Spectral Graph theory
➢ Graph Algorithms
➢ Graph Coloring / Labelling
➢ Combinatorics
➢ Coding and Design Theory
➢ Network Sciences
➢ General Topics on Discrete Mathematics

Registration:

Scanned copy of the filled in application form should be sent by email to itcdm2019@gmail.com on or before 15th October 2019 as per the format given in this brochure (the same can also be downloaded from the website.) Registration Fees must be paid either by electronic transfer/Demand draft. **DD** to be drawn in favor of "**Registrar, IIT(BHU), Varanasi**". Registration fees is non-refundable. Bank details for electronic transfer will be updated shortly in the website.

Final year M.Sc./M.Tech. students and Ph.D. scholars	Rs. 3540
Faculty/Scientist/Researchers from academic/technical institutions	Rs. 5900
Participants from industries	Rs. 9440

On or before September 1, 2019, interested participants shall register for the conference by paying a discounted price (as mentioned in the website). The details of the payment should be enclosed with the application form. Selected participants may be provided accommodation subject to availability at the Institute Guest house/ Hostels for nominal charges and on sharing basis. Request for accommodation has to be sent in advance. Otherwise, participants will have to make their own stay arrangement.