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Director, IIT (BHU), Varanasi

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About the City

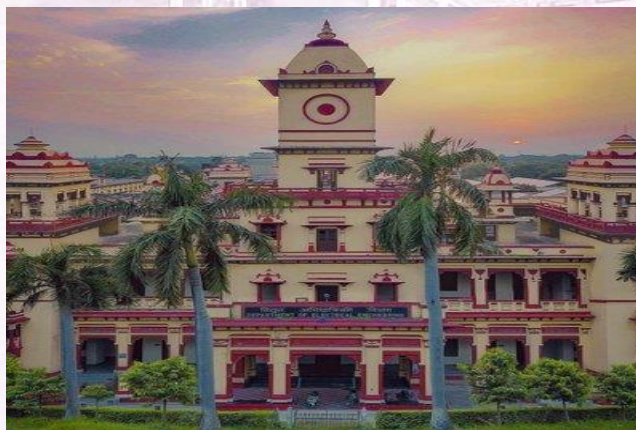


The holy city of Varanasi is known as the city of temples and learning. It is a place of great historical and cultural importance. This religious capital of India is situated on the bank of the holy river Ganga and is

famous for its temples of Lord Shiva, Buddha (at Sarnath) and Sankat Mochan, etc. Varanasi is one of the premier places of oriental learning also. Simultaneously it is keeping pace with modern advanced knowledge. The city is reputed for silk fabrics, perfumes, artistic brass and copper wares, and handicrafts. This vibrant city with multiple dimensions of knowledge and liberation has a magnetic attraction for people worldwide.

IIT(BHU) Varanasi

The Indian Institute of Technology (Banaras Hindu University), Varanasi, owes its existence to the farsighted vision and relentless efforts of the founder Bharat Ratna Mahamana Pt. Madan Mohan Malaviya ji created the first comprehensive residential university in India. Three engineering and technological institutions were established viz the Benaras Engineering College (BENCO) in 1919, the College of Mining and Metallurgy (MINMET) in 1923, and the College of Technology (TECHNO) in 1932 as the constituent units of Banaras Hindu University. The first ever Bachelor's degree course in Electrical, Mechanical, Metallurgy, Mining, Ceramics, and Pharmaceuticals in India was pioneered at BHU, while Pharmaceuticals also being the first in Asia. After the country's independence in 1947, postgraduate and doctoral research programs were also introduced here. These colleges produced outstanding engineers who led various indigenous industries, academic institutions, and R&D laboratories within and outside the country. The three engineering colleges were merged to form the Institute of Technology (BHU) in 1968. The erstwhile IIT(BHU) was converted into IIT(BHU) Varanasi w.e.f. 29th June 2012. Since then, IIT (BHU) has been witnessing the realization of several significant academics, research, and developmental programs and new initiatives in all spheres of the Institute.



NIWC--2023

National Instructional Workshop on Cryptology: Code-based Cryptography

July 05-07, 2023



Organized by
Department of Mathematical Sciences,
Indian Institute of Technology (BHU),
Varanasi-221005

Convenor
Dr. Ashok Ji Gupta
Department of Mathematical Sciences,
Indian Institute of Technology (BHU)
Varanasi-221005
Coordinator
Dr. Bhupendra Singh
Centre for Artificial Intelligence and Robotics
(CAIR), DRDO
Bengaluru-560093

About the Department



The Department of Mathematical Sciences, IIT (BHU), earlier known as the Department of Mathematics/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 (B Tech & M Tech) program in Mathematics & Computing. Department's Ph.D. program offers students an exciting and unique opportunity to pursue research in several areas of Mathematics. It annexes several dimensions in terms of new and growing research areas.

About CRSI

Cryptography Research Society of India (CRSI), formed in 2001, is a scientific assembly of academicians, researchers, specialists, students, and institutions interested in promoting the science and technology of Cryptology, Data Security, and allied disciplines in India. CRSI is promoting to conduct of three reputed events annually in India known as INDOCRYPT (an annual international conference), NWC (National Workshop on Cryptology), and NIWC (National Instructional Workshop on Cryptology).

About NIWC

The subject of cryptology is developing rapidly, and its popularity is increasing day by day in Information Sciences, particularly in network, banking, mail, and information security-related activities. This workshop aims to reach students nationwide and provide them with a platform to explore cryptology and related research opportunities. The objective of this workshop is to systematically expose the students and faculties of engineering and Mathematics to the

basic understanding of Cryptology, network security, and other information security-related issues and applications.

Target Audience

- UG/PG students
- Research Scholars
- Academicians
- Delegates from R&D/Industry
- Other enthusiastic crypto learners.

Topics to be covered

- Basics of Coding Theory,
- Basics of Cryptography,
- Code-based Public-key encryption schemes
- Code-based digital signature schemes
- NIST submissions for Code-based KEM and signatures
- Code-based secret-sharing schemes

Tentative Speakers

Prof. Bimal Roy, ISI Kolkata
Prof. (Rtd.) B.M. Pandeya, IIT(BHU)
Prof. Sudhir Ghorpade, IIT Bombay
Prof. R. K. Sharma, IIT Delhi
Prof. K.K. Shukla, IIT(BHU)
Prof. M. Ashraf, AMU Aligarh
Prof. Om Prakash, IIT Patna
Prof. Maheshanand, IIT Roorkee
Dr. Bhupendra Singh, CAIR Lab DRDO
Dr. Indivar Gupta, SAG Lab DRDO
Dr. Prasanna Mishra, SAG Lab DRDO
Dr. Bhaskar Biswas, IIIT Kalyani
Dr. Debashish Bera, IIIT Kalyani
Dr. A J Gupta, IIT(BHU)

Registration Link:

<https://forms.gle/BarNkDZpewBkafBT9> or scan the following:



Online Registration Fee Payment

Name of Account: **IIT(BHU)-Main Account (Institute Development Fund)**

Account holder name: Registrar, IIT(BHU)

Account No.: **32778803937**

Bank name: **State Bank of India**

Branch: **IT-BHU Branch**, Branch code: **11445**

Account type: **Current**, IFS Code: **SBIN0011445**

Important Dates

Course duration	July 05-07, 2023
Last date of registration	June 11, 2023
Intimation of selection by email	June 15, 2023

Registration Fee

For students and research scholars: Rs. 1180/-

For faculty or attendee from the industry: Rs. 2360/-

NOTE: 1. For CRSI life members, there will be a fee waiver of @50%.

The above fee includes a GST of 18% as per institute norms for participants other than IIT(BHU), Varanasi. The paid fee will not be refunded under any circumstances.

2. Accommodation will be provided to the participants in the hostel.

For more details, visit:

<https://conferences.iitbhu.ac.in/NIWC2023/>

For any query, contact us:

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