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Prof. Sanjay Kumar

Acting Vice-Chancellor and Rector, BHU

Patron

Prof. Sanjay Kumar

Honourable Director, Institute of Science, BHU

Prof. S.K. Upadhyay

Honourable Dean, Institute of Science, BHU

Conveners

Prof. Shashi Kant Mishra, BHU, Varanasi, India

Prof. Sorin-Mihai Grad, ENSTA Paris, France

Speakers from France

Prof. Michel Thera, University of Limoges

Prof. Michel De Lara, Institut Polytechnique de Paris

Prof. Pierre Marechal, Toulouse Institute of Mathematics

Prof. Jean-Baptiste Caillaud, Université Côte d'Azur

Prof. Samir Adly, University of Limoges

Prof. Lionel Thibault, Université Montpellier II

Prof. Jerome Malick, University Grenoble Alpes

Prof. Didier Aussel, University of Perpignan

Prof. Dinh The Luc, University of Avignon

Prof. Sorin-Mihai Grad, Polytechnic Institute of Paris

Speakers from India

Prof. S.K. Neogy, ISI Delhi

Prof. C.S. Lalitha, University of Delhi

Prof. Q.H. Ansari, Aligarh Muslim University

Prof. Geetanjali Panda, IIT Kharagpur

Prof. Pankaj Gupta, University of Delhi

Prof. Sabyasachi Pani, IIT Bhubaneswar

Prof. Mallikarjuna Rao, IIT Mumbai

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Prof. Sandeep Juneja, TIFR, Mumbai

Prof. Joydeep Dutta, IIT Kanpur

Prof. Sanjeet Kumar, IIM Lucknow

Prof. Tirupati Rao Padi, Pondicherry University

Prof. Aquil Ahmad, Aligarh Muslim University

Prof. Surajit Borkotokey, Dibrugarh University

Prof. Aparna Mehra, IIT Delhi

Dr. Rajesh Arora, ISRO, Trivendram

Dr. Vinay Singh, NIT Mizoram

Dr. Balendu B. Upadhyay, IIT Patna

Dr. Debidas Ghosh, IIT-BHU

Local Organizing Committee

Faculty Members & Research Scholars, Department of Mathematics, Institute of Science, BHU

About Varanasi

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.

About the Department

The Department of Mathematics was founded in 1898 as a part of the Central Hindu College at Kamachha, Varanasi much before the establishment of the Banaras Hindu University in 1916. Subsequently in 1917, Department of Mathematics along with the Central Hindu College was transferred to the Banaras Hindu University. The Department had the privilege of having had eminent scholars on its faculty. The teachers of the Department have been receiving national and international recognition and financial support for their high quality research.



Indo-French Seminar on “Recent Developments in Nonlinear Optimization Problems and Applications” (RDNOPA 2025)

October 29-31, 2025



Venue

Department of Mathematics, Institute of
Science, Banaras Hindu University, Varanasi
221005, India

Conveners

Prof. S. K. Mishra

Department of Mathematics, Institute of
Science, Banaras Hindu University, India

Prof. Sorin-Mihai Grad

ENSTA, Polytechnic Institute of Paris, France

Aim of the Conference

The main objective of the conference is to initiate interaction and exchange of ideas on the current research and recent developments in nonlinear optimization problems with applications among the mathematicians and their research group of India and France. This will certainly create collaborative research team and research projects in very near future. Further, we aim to bring out special issue of some leading SCI journal on Optimization as a volume of contribution to knowledge. We also aim to encourage and make aware of the state of art of current research on optimization, variational analysis and their applications to the young participants from India. Finally, the interaction among participants from both nations will help to know better the culture of each other's countries which always improves bilateral relation.

Research Topics

Vector Optimization; Set Optimization; Nonlinear Optimization; Global Optimization; Combinatorial Optimization; Dynamic Programming; Calculus of Variations and Extremal Problems; Optimal Control Theory; System Theory; Linear Programming; Nonlinear Programming; Integer Programming; Network Programming; Semi-Definite Programming; Stochastic Programming; Dynamic Programming; Optimal Control; Global Optimization; Nonsmooth Optimization; Semi-Infinite Programming; Multi-Objective Optimization; Variational Inequalities; Complementarity Problems; Mathematical Programs with Equilibrium Constraint

Call for Abstracts

Abstracts are invited in the form of oral and poster presentations. All those desirous of participating and/or presenting in the conference are requested to register for the seminar and submit their abstracts through the Google form to the convener. Abstracts for Oral and Poster presentations should be in Arial Narrow within A4 format. The title should be in bold with a font size of 12 followed by authors name(s) in the next line, and affiliation in the subsequent line(s) as central alignment. This should follow the Email ID of the presenting author. The presenting author should be underlined. The text

should follow as single space with Arial narrow font size of 10. References should be placed at the bottom. References should not be cited in the text.

Registration

Interested participant/delegates are requested to fill in the registration form to the following link
<https://forms.gle/F79rWRcWDaDDScyB9>

Registration Fee

For Research Scholar/Post-doc/Student: **Rs. 2,700/-+GST**

For Faculty Members: **Rs. 3,700/-+GST**

Route to Varanasi

Varanasi is well connected by road, rail and air with all the important places of India. Banaras Hindu University is situated at 7 kms from Varanasi railway station, 20 Kilometers from Pt. D.D. Upadhyaya (Mughalsarai) railway station, 5 kms from Banaras (Manduadih) railway station and 30 kms from the Lal Bahadur Shastri International Airport Varanasi. Regular flights are available to Varanasi from all major cities in India.

Important Dates

Abstract Submission Deadline: **September 15, 2025**

Registration Deadline: **September 20, 2025**

Contact Details

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Application Form for attending

Indo-French Seminar on

“Recent Developments in Nonlinear
Optimization Problems and Applications”

October 29-31, 2025

1. Name (in block letters):

2. Designation:

3. Organization:

4. Date of Birth:

5. Sex:

6. Address:

7. E-mail:

8. Mobile No.:

9. Highest Academic Qualification:

Please register me for participating in the Indo-French Seminar on “Recent Developments in Nonlinear Optimization Problems and Applications” to be held at BHU.

Forwarded by

Supervisor/ Head of the Department