

ABOUT THE DEPARTMENT

The Department of Mathematics came into existence in July 1998 as a part of the Central Hindu College, Varanasi and was later transferred to the Banaras Hindu University when it was established in 1916. A number of illustrious alumni of the department, such as Prof. V.K. Patodi, have made their marks nationally and internationally.

Some of the present research areas in the department are the following: Analysis, Topology, Algebra, Differential Geometry, Summability and Approximation Theory, Differentiable Manifolds, Fluid Mechanics, Magneto-hydrodynamics, Dispersion through Porous Media, Mathematical Modelling, Numerical Analysis, Optimization, Operations Research, Neuro-fuzzy Computing, Relativity, Gravitation and Cosmology.

ACCOMMODATION

Accommodation and hospitality will be provided to outstation participants in University Guest Houses (if required by them). Participants are urged to make their own arrangements towards their travel expenses.

REGISTRATION FEE

Research scholars: Rs. 1500.00
Others: Rs. 2500.00
Foreigners: US \$ 200.00

The registration fee, as Demand Draft, in favour of "ICOIA-BHU-2010", payable at the State Bank of India, BHU Branch (Branch code-0211), is to be paid along with the submission of the extended abstract (to be presented at the conference), latest by December 30, 2009.



CALL FOR PAPERS

Original, unpublished papers are invited for presentation in the conference. Selected and peer reviewed articles will be published in the special issue of Journal of Global Optimization and Numerical Functional Analysis and Optimization. Efforts will also be made to publish the Proceedings of the Conference, which will include a selection of the submitted and properly reviewed papers. The abstract of the paper to be presented in the conference should be sent (only by e-mail) by December 30, 2009 to

PLENARY SPEAKERS

Prof. Suresh Chandra (IIT, Delhi, India)
Prof. Pierre Hanson (Montreal, Canada)
Prof. Zuhair Nashed (Orlando, USA)
Prof. T. Parthasarathy (Chennai, India)
Prof. Michel Thera (Limoges, France)
Prof. Yinyu Ye (Stanford, USA)
Prof. Pham Dinh Tao (NIAS, France)



INVITED SPEAKERS

Prof. Suliman Al-Homidan (Saudi Arabia)
Prof. Le Thi An (University of Metz, France)
Prof. D. Bhatia (DU, India)
Prof. Fabian Flores-Bazan (Chile)
Prof. Pierre Cartigny (Marseille, France)
Prof. T. R. Gulati (IIT Roorkee, India)
Prof. Sy-Ming Gau (Taiwan)
Prof. Nicolas Hadjisavvas (Greece)
Prof. Abdelouahed Hamdi (Kuwait)
Prof. Alexander Ioffe (Israel)
Prof. P. Q. Khanh (Vietnam)
Prof. Do Sang Kim (South Korea)
Prof. H. C. Lai (Taiwan)
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Prof. Duan Li (Chinese University of Hong Kong)
Prof. L. J. Lin (Taiwan)
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Prof. Pierre Maréchal (France)
Prof. J. E. Martinez-Legaz (Spain)
Prof. G. Mastroianni (Italy)
Prof. R. N. Mahapatra (USA)
Prof. S. Nanda (IIT Kharagpur, India)
Prof. C. Nahak (IIT Kharagpur, India)
Prof. Gianni Di Pillo (Italy)
Prof. S. Schahle (Taiwan and USA)
Prof. Hirayuki Shiroyo (Muroran Japan)
Prof. W. Takahashi Tokio (Japan)
Prof. Maxim Todorov (Mexico)
Prof. Gong Yun Zhao (NUS, Singapore)
Prof. N. D. Yen (Vietnam)

Dr. S.K. Mishra (Convener)
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Varanasi - (U.P.)
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INTERNATIONAL CONFERENCE

ON
OPTIMIZATION AND ITS APPLICATIONS

(ICOIA-BHU-2010)

February 16-18, 2010



ORGANIZED BY

Department of Mathematics
Faculty of Science
Banaras Hindu University,
Varanasi - 221005, INDIA

OBJECTIVES

Optimization is a multi-disciplinary research field that deals with the characterization and computation of minima and/or maxima (local/global) of nonlinear, nonconvex, nonsmooth and discrete functions. Optimization problems are frequently encountered in modeling of complex real world systems for a very broad range of applications including industrial and systems engineering, management science, operational research, mathematical economics, seismic optimization, production planning and scheduling, transportation and logistics and many other applied areas of science and engineering.

Due to rapid development and deployment of practical optimization methodologies in the last three decades, scientists around the globe in diverse disciplines have been using optimization techniques and algorithms to solve their respective problems. Optimization is playing a pivotal role in the development of modern science and engineering. The main aim of this conference is to provide impetus and motivation for further research work in all areas of optimization and its applications by providing a forum for the academic exchange of ideas and recent research works, both by senior and young active researchers from around the globe.



TOPICS TO BE COVERED

All topics related to optimization theory, methods and applications, including, but not limited to:

Linear Programming; Nonlinear Programming; Stochastic Programming; Parametric Program-ming; Convex Programming; Nonsmooth Programming; Fractional Programming; Multi-objective Programming; Variational Problem; Variational Inequalities; Game Theory; Complementary problems; Fuzzy optimization; Global optimization; Nonlinear Dynamic Systems; Theoretical Development of Optimization; Computational and Numerical Experiments; New Algorithmic Approaches to Optimization; Applications related to Optimization on Engineering, Management, Art and Sciences, including some interdisciplinary subjects such as Mathematical Economics, Mathematical Physics and Biology, Financial Optimization, Portfolio Optimization and other related subjects.

CHIEF PATRON

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(Patron and V.C., BHU)

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(Rector, BHU)
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(Dean, Faculty of Science, BHU)

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REGISTRATION FORM

Interested persons should send the following information by 30.12.2009 along with an extended abstract of about 300 words to the Convener by e-mail

- Name and present position
- a) Age..... b) Sex : M.....F.....
- Affiliation and address for correspondence
- E-mail and Phone / Mobil.....
- Area (s) of interest
- Whether contributing paper :
Yes No
- If yes, title of the paper
- Details of registration fee: DD No.....
Date..... & Bank.....
- Accommodation required :
Yes.....No.....
- a) Date and Time of arrival.....
b) Date & Time of Departure.....