International Webinar on Advances in Optimization Techniques (IWAOT)

October 30th , 31st and 1st November , 2020

Organized by

Department of Mathematics,
School of Applied Sciences,
KIIT Deemed to be University Bhubaneswar, India

Free Registration

A virtual meeting

INVITED SPEAKERS

Prof. Xin-She Yang
Department of Design Engineering and Mathematics, Middlesex University, London, UK

Prof. V Vetrivel
Department of Mathematics, Indian Institute of Technology Madras, India

Prof. A.K. Ojha
Department of Mathematics, Indian Institute of Technology Bhubaneswar, India

Prof. C. Nahak
Department of Mathematics, Indian Institute of Technology Kharagpur, India

Prof. G. Panda
Department of Mathematics, Indian Institute of Technology Kharagpur, India

Prof. J. C. Bansal
Department of Mathematics, South Asian University, New Delhi, India

Prof. Pitam Singh
Department of Mathematics, Motilal Nehru National Institute of Technology Allahabad, India

Prof. Kedar Nath Das
Department of Mathematics, National Institute of Technology Silchar, India

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Inauguration: 30th Oct., 3:30 p.m. (IST)

Details of Lectures

Day-1 (30th Oct. 2020)

Topic-1: "Nature Inspired Optimization Algorithms: Introduction and Open Problems"
Speaker: Prof. Xin-She Yang, **Time: 4:00 p.m. (IST)**
Topic-2: "Ant Colony Optimization"
Speaker: Prof. J. C. Bansal, **Time: 5:10 p.m. (IST)**

Day-2 (31st Oct. 2020)

Topic-1: "Robust Solution to Set valued Optimization Problem"
Speaker: Prof. V Vetrivel, **Time: 4:30 p.m. (IST)**
Topic-2: "Fuzzy Sets and its Applications in Optimization"
Speaker: Prof. Pitam Singh, **Time: 5:40 p.m. (IST)**
Topic-3: "Approximation Techniques for Vector Optimization Problem"
Speaker: Prof. Geetanjali Panda, **Time: 6:50 p.m. (IST)**

Day-3 (1st Nov. 2020)

Topic-1: "Advanced Evolutionary Optimization Technique for solving Sudoku Puzzle"
Speaker: Prof. Kedar Nath Das, **Time: 3:00 p.m. (IST)**
Topic-2: "Portfolio Optimization"
Speaker: Prof. A.K. Ojha, **Time: 4:30 p.m. (IST)**
Topic-3: "Regularized Gap Function as Penalty Term for Constrained Minimization Problems"
Speaker: Prof. C. Nahak, **Time: 5:40 p.m. (IST)**

IWAOT-2020, *Organized by Dept. of Math., KIIT Deemed to be University,*
Convener: Dr. Suvasis Nayak

Streaming platform ZOOM

International Webinar
on
Advances in Optimization Techniques

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Organized by

Department of Mathematics,
School of Applied Sciences,
KIIT Deemed to be University,
Bhubaneswar-751024, Odisha, India

About the Webinar

The major objective of the webinar is to encourage the participation of the researchers, academicians and students working in the field of optimization to exchange and enhance their ideas about the recent developments in the frontier areas of optimization.

About Department of Mathematics

The Department of Mathematics is a part of School of Applied Sciences (SAS), KIIT Deemed to be University. Apart from teaching in various U.G. and P.G. programme of Engineering, the Department is principally engaged in research over various disciplines like Pure, Applied and Industrial Mathematics. In context of research, the Department has a few research projects funded by the agencies like DST, NBHM, UGC and CSIR. The Department has also produced several Ph.D. and some are under progress. In addition, it has recently started Integrated M.Sc.-Ph.D. in Mathematics with Data Science from the current session 2020-2021.

About KIIT Deemed to be University

Kalinga Institute of Industrial Technology (KIIT) was started as a humble college in 1992, has become a multidisciplinary University with 28 constituent schools offering diverse programs. Its commitment to teaching excellence led to the grant of University status under section 3 of UGC Act, 1956 in 2004 and 'A' category university in 2015 by the ministry of Human Resources Development , Government of India. It has also been accredited 'A' Grade by NAAC and Tier '1' (Washington Accord) by NBA and IET (UK). KIIT has been listed in Times of World ranking and is one among the best Universities/Institutions in NIRF ranking by MHRD, Government of India. It has proved itself to be the much sought after higher education center of the country with 30,000 students pursuing both graduation and post graduation studies in Engineering, Computer application, Management, Law, Biotechnology, Medicine, Dentistry, Nursing, Fashion Technology, Mass Media Studies, Language etc. KIIT stand out as a class of its own both in quality and quantity. It has been adjudged as an **Institute of Eminence** in 2019 by MHRD GoI and **1st rank holder** among the private higher education India Universities according to **ARIIA-2020**. Kalinga Institute of Social Sciences (KISS), a sister institute of KIIT provides free education in a residential setting to 30000 tribal children from KG to PG is also a Deemed to be University and has obtained recognition and appreciation world-wide including the UN.

Advisory Committee

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Prof. (Dr.) Achyuta Samanta
Hon'ble Founder, KIIT & KISS

Patron
Prof. Hrushikesha Mohanty
Hon'ble Vice-Chancellor, KIIT Deemed to be University
Prof. Sasmita Samanta
Hon'ble Pro-Vice Chancellor, KIIT Deemed to be University
Prof. Jnyana Ranjan Mohanty
Registrar, KIIT Deemed to be University

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Dr. Suvasis Nayak, KIIT Deemed to be University

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Dr. Saumya Ranjan Jena, KIIT Deemed to be University
Dr. Birupakhya Prasad Padhy, KIIT Deemed to be University

Invited Speakers

Prof. Xin-She Yang, Department of Design Engineering and Mathematics, Middlesex University, London, UK.

Prof. Jagdish Chand Bansal, Department of Mathematics, South Asian University, New Delhi, India

Prof. V Vetrivel, Department of Mathematics, Indian Institute of Technology Madras, India

Prof. Pitam Singh, Department of Mathematics, Motilal Nehru National Institute of Technology Allahabad (MNNIT, Allahabad), Prayagraj, India

Prof. Chandal Nahak, Department of Mathematics, Indian Institute of Technology Kharagpur, India

Prof. Akshay Kumar Ojha, Department of Mathematics, Indian Institute of Technology Bhubaneswar, India

Prof. Kedar Nath Das, Department of Mathematics, National Institute of Technology Silchar, Assam, India

Prof. Geetanjali Panda, Department of Mathematics, Indian Institute of Technology Kharagpur, India

Registration Details: Applicants; students, researchers, academicians, faculties, industry personals can register through the following link to participate in the webinar.

Link: **https://forms.gle/zNB2KY2sNpUE51eX9**

Last Date of registration: 27th Oct. 2020

No Registration Fee

Certificate of Participation:

The registered participants attending the talks will be provided, **e-certificate of participation.**

For more information:
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