

# Large Scale Optimization 3rd Summer School and Conference 02-10 April 2023

The third edition of the Large Scale Optimization (LSO) Summer School and Conference will be held during April 2-10, 2023 at the Department of Industrial and Management Engineering, Indian Institute of Technology Kanpur in association with the Brij Disa Centre for Data Science and Artificial Intelligence, Indian Institute of Management Ahmedabad. The last two editions of the summer school, held at the Indian Institute of Management Ahmedabad (2022) and Indian Institute of Management Indore (2019), received encouraging response from both the academic and business communities.



# Coordinator

**Prof. Faiz Hamid** 

Associate Professor, Department of Industrial and Management Engineering

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# **Topics**

Tutorial during the Summer School will be offered on the following topics. Papers for the conference are invited on the following topics; other topics under LSO are also encouraged.

- Modeling Integer Programs and Mixed Integer Programs
- Modeling using AMPL (A Mathematical Programming Language)
- Modeling in C/C++/Python for IBM Cplex/ Gurobi
- Valid Inequalities & Cutting Plane Method
- Benders Decomposition
- Lagrangian Relaxation
- Column Generation
- Dantzig-Wolfe Decomposition
- Robust Optimization
- Multi-level Optimization
- Non-linear Programming
- Mixed Integer Non-linear Programming
- Heuristics for LSO

# **Important Dates**

# **01 February 2023**

Application and Registration opens for Summer School and Conference

# **28 February 2023**

**Application closes** 

### 06 March 2023

Acceptance notification

### 15 March 2023

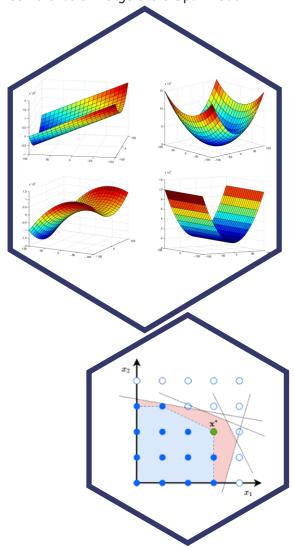
Registration closes

## 02 - 09 April 2023

Summer School on Large Scale Optimization

# **10 April 2023**

Conference on Large Scale Optimization



# In Association with



# **Speakers**

Mr. Abhik Giri Western Digital



- Prof. Ankur Sinha
   Indian Institute of Management Ahmedabad
- Prof. Ashutosh Mahajan
   Indian Institute of Technology Bombay
- Prof. Dennis Huisman
   Erasmus University Rotterdam
- Prof. Divya Padmanabhan
   Indian Institute of Technology Goa
- Prof. Faiz Hamid
   Indian Institute of Technology Kanpur (Co-ordinator)
- Prof. Gautam Dutta (Retd.)
   Indian Institute of Management Ahmedabad
- Prof. Joydeep Dutta
   Indian Institute of Technology Kanpur
- Prof. Jyotirmoy Dalal University of Sheffield
- Prof. Reshma Chirayil Chandrasekharan
   Indian Institute of Management Bangalore
- Prof. Sachin Jayaswal
   Indian Institute of Management Ahmedabad
- Prof. Saurabh Chandra
   Indian Institute of Management Indore
- Prof. Shuvabrata Chakraborty
   Indian Institute of Management Amritsar
- Prof. Yogesh Kumar Agarwal (Retd.)
   Indian Institute of Management Lucknow

