

Special Session
on
(“Computational Mathematics & Optimization”)
International Conference on Computational Intelligence and Data Science
(ICCIDS 2018)
<http://iccids2018.ncuindia.edu/>
7-8th April, 2018
at
The NorthCap University, Gurugram

AIM: Mathematical optimization is an aid for better decision-making that is being used enormously across all industries. The main aim of this session is to bring together studies that describe and analyze new computational techniques for solving scientific and engineering problems.

SCOPE: Computational Mathematics and Optimization techniques involves mathematical research areas where computing plays a crucial role, emphasizing algorithms, and numerical methods. The remarkable development of large scale computing in the past few decades has contributed in the solutions to various interdisciplinary application problems. For any design and modeling purpose, the ultimate aim is to gain sufficient insight into the system of interest so as to furnish more precise predictions and better designs. Hence, computational optimization, modeling and simulation forms an integral part of the modern design practice in engineering and industry.

Topics of Interest: The topics of interest include but are not limited to:

- ❖ Numerical Analysis
- ❖ Linear Programming
- ❖ Convex optimization
- ❖ Combinatorial optimization
- ❖ Network algorithms
- ❖ Game Theory
- ❖ Probability Theory and Statistics
- ❖ Modeling and Simulation
- ❖ Computational aspects of geometry and algebra
- ❖ Information Theory
- ❖ Fuzzy/Hazy/Rough Set Theory
- ❖ Expert Systems and Artificial Intelligence
- ❖ Parallel Computing Artificial Neural Net Theory

All accepted papers will be published in Procedia Computer Science Journal, Elsevier.

Write Brief Biography of session Chair with photograph



Dr. Mansi Khurana

Ph.D. (Statistics), M.Sc. (Mathematical Sciences)

Assistant Professor, School of Management

The NorthCap University, Gurgaon

Dr. Mansi Khurana has over seven years of experience in teaching and research with one year of experience in corporate sector. She did her M.Sc. and PhD in Statistics from Banasthali University. Her Ph.D. thesis title is 'Bias Reduction in Shrinkage Estimator using Resampling Methods in Linear Regression Models'. Her areas of interest are linear and non linear models, time series analysis, business analytics and various data mining techniques. She is a recipient of Canada Commonwealth Scholarship, 2011 for a six months research project at Concordia University, Montreal, Canada and she has also worked there as a Research Assistant in 2013. She has published many papers in journals of international/national repute and also won the 'Best Graduate Poster Award' in a conference held at Concordia University, Canada in 2011.