



Operations Research (OR) Conference



9th Jan, 2023



Prof. Tsuda hall, TVS IQL

Agenda - OR Conference

	Time	Description
Inauguration	9:30 - 9:35	Lighting the lamp and Invocation
	9:35 - 9:40	Welcome address
	9:40 - 9:50	Evolution of OR Community of Practice (CoP) at TVSM
	9:50 - 10:10	Inaugural address by Chairman Emeritus
	10:10 - 10:30	Key note address by Prof. Abhijit Deshmukh
	10:30 - 10:45	Business impact and way forward for OR CoP by D & CEO
Tea break - 10:45 - 11:00		
Session 1	11:00 - 11:45	Prescriptive analytics in supply chain, Dr.Radhakrishna, Intel Corporation, USA
	11:45 - 12:00	Maximise product contribution by location allocation at various plants
	12:00 - 12:15	Improve right SKU mix and implement auto replenishment billing system at dealerships, Abhay Malik, TVS Motor
	12:15 - 12:30	Development of AI & ML engine for 2W EV Dyno testing to optimise the cost of good quality, Vrushabha, TVS Motor
	12:30 - 13:00	Simulation model to improve throughput of a restaurant, Mr.Amith Kumar, Simwell
Lunch break 13.00 to 13.45		
Session 2	13:45 - 14:15	Simulation model manufacturing capacity planning, Dr.Himagiri, HAL, Bangalore
	14:15 - 15:00	Decision support systems for creating value (Transportation and Logistics), Dr. Siddartha SenGupta, TCS
	Tea break - 15:00 - 15:15	
	15:15 - 15:45	Application of large scale optimisation in manufacturing practices, Prof. Saurabh Chandra, IIM, Indore
	15:45 - 16:00	Reflection and Conclusion
High tea		

Register here



Conference Speakers



Dr. Abhijit Deshmukh

Dr. Abhijit Deshmukh was the James J. Solberg Head and Tompkins Chair of Systems in the School of Industrial Engineering at Purdue University.

Prior to that, he was the Rockwell International Professor in the Department of Industrial & Systems Engineering, and Director of the Institute for Manufacturing Systems at Texas A&M University.

He has also served as a Program Director in the National Science Foundation (NSF)'s Engineering Directorate and the Office of Cyberinfrastructure.

Dr. Deshmukh received a PhD from the School of Industrial Engineering at Purdue University. His research interests are in distributed decision-making, system complexity, mechanism design, healthcare policy and cyberinfrastructure for engineering applications.

He is a fellow of the Institute of Industrial Engineers. He has received the NSF Director's Award for Collaborative Integration, Ralph R. Teetor Educational Award from Society of Automotive Engineers, Milton C. Shaw Outstanding Young Manufacturing Engineer Award from Society of Manufacturing Engineers, and was a Lilly Teaching Fellow at the University of Massachusetts Amherst.



Conference Speakers



Dr. Radha Krishna

Dr. Radha Krishna is the Director of Supply Chain Innovation Lab at Intel Corp. He has 25 years of combined industry and consulting with mix of U.S./ Asia experience (19 @Intel ; 6- IBM/PwC/BEL).

The industry verticals include Hi-Tech, Retail, CPG. His focus areas include Supply Chain Research and Innovation, Digital Transformation. He was on the Board of Directors, Association of Supply Chain Management - ASCM (2017- 2021).

During the 25 years, he has handled varied portfolios across multiple organisations including

- Intel - Various roles - Engineering Manager, Program Management, Lean S/W development, Agile Frameworks across IT, Supply Chain org.
- IBM Storage Tech. Div., San Jose, CA - Sr. Software Engineer
- PricewaterhouseCoopers, San Jose, CA (Principal -Supply Chain/SAP Practice)
 - Client engagement- HP, Cisco, NetApp, Nike, GE and Unilever
- Bharat Electronics, Bangalore, India as Senior Engineer



Conference Speakers



Dr. Siddhartha SenGupta

Dr Siddhartha SenGupta is a Physicist. He has been an investigator from high school, experimenting with things like 'winglets' on model hydrofoils and had been awarded the Jagadish Bose National Science Talent Search scholarship when leaving school.

He completed his PhD on the Dynamics & Composition of the Upper Atmosphere at IIT KGP, involving orthogonal tensor polynomials, the Boltzmann equation and computational fluid dynamics.

Soon after joining 'Tata Burroughs' in 1982, he was sent to MIT, Cambridge to learn Artificial Intelligence and to begin research on the subject.

Dr SenGupta's 40 years of applied research has covered the sciences of AI, Data Mining and Automated Planning in the domains of Transportation & Logistics, Retail and Value Chains. After retiring from Tata Consultancy Services in 2011, he currently is an advisor to the CTO TCS, and and Adjunct Prof, IEOR, IIT Bombay.

Dr SenGupta has been member of the Senate IIT KGP; the IT Academic Council, Govt of West Bengal; the Board, IIIT Kolkata; as well as advisory board member/ PhD guide/ teacher/ examiner at several business schools and IIT Bombay and chairs of Indian and International conferences.

Conference Speakers



Dr. Himagiri Gedela

Dr. Himagiri Gedela, Head of Projects, Hindustan Aeronautics Ltd., is a Doctorate in Management and Post Graduate in Operations & Supply Chain Management from NITIE, Mumbai with Graduation in Electrical and Electronics Engineering. He is a certified Project Management Professional and a certified Independent Director by Ministry of Corporate Affairs.

He began his career with Hindustan Aeronautics Ltd. as a Management Trainee and has around two decades of experience in diverse areas of Aircraft Production, Project Management, Planning & Scheduling, Configuration Management and BPR. He was involved with the Indigenous Aircraft programs of Advanced Light Helicopter (Dhruv), Light Combat Helicopter and Light Combat Aircraft (Tejas), in various capacities, handling diverse portfolios in planning & operations; and was instrumental in achieving production records in the organisation.

Currently posted in HAL Management Academy, he is engaged in projects & internal consultancy for various business units of HAL apart from being involved in strategic training of the officers of HAL.

He is a management professional cum academician with interests in varied areas like micro arts (paintings on seeds), martial arts (Kalari payattu), sports and Karnatic music.

Conference Speakers



Prof. Saurabh Chandra

Prof. Saurabh Chandra has done his FPM from IIM Lucknow. His doctoral thesis was in the field of Maritime Logistics. Before joining the Doctoral Programme at IIM Lucknow, he has worked with Mitsui OSK Lines as an Assistant Marine Engineer and as Chief Engineer with Ocean Sparkle Ltd. and COMACOE Ltd.

He is the co-founding member of the Maritime Logistics Research Group at IIM Indore and does extensive research and consulting on various areas of logistics management. His core strengths are strategic and tactical analysis of planning and scheduling problems in logistics industry using mathematical programming and simulation. Transportation policy analysis is another related area where he is actively pursuing his research interest.

His current research interests include maritime logistics and mathematical optimisation, analysing supply chain policies and performance of Indian retail firms through financial data, and automotive logistics in India. His teaching interests include Operations Management, Supply Chain Management, Operations Research, Service Operations Management and Business Statistics.



Conference Speakers



Amith Kumar

Amith Kumar works as a Principal Engineer and Head of India Office at Simwell. He has a BTech in Electronics Engineering from NIT Rourkela and MBA from NITIE, Mumbai.

He has more than a decade of experience in solving business problems using optimisation and simulation modelling techniques.

