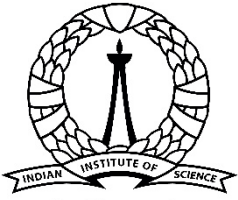




Call for papers: visit ncmdao.org

International and National Conference on Multidisciplinary Design, Analysis, and Optimization (iNCMDAO-2024)



भारतीय विज्ञान संस्थान
www.iisc.ac.in



www.aerosocietyindia.co.in

This international conference follows the six national conferences on the MDAO theme held since 2018 (ncmdao.org). Indian Institute of Science (IISc) and the Aeronautical Society of India (AeSI) are the organizers of iNCMDAO-2024 that aims to bring together international researchers and the growing MDAO community in India from academia, industry, and government laboratories.

Topics

- Structural optimization: size, shape, and topology
- Design and optimization of materials, and metamaterials
- Multi-scale and multiphysics problems
- Metamodeling
- Systems design and optimization
- Optimization for additive manufacturing
- Optimization in biology
- Generative design
- Digital twins
- Evolutionary and Bayesian optimization
- Quantum algorithms for optimization
- Uncertainty modeling
- Reliability and robustness in design
- Impact of large language models in engineering optimization
- Transfer learning and one-shot learning for optimization
- Industry applications and case studies in optimal design
- Other emerging topics in MDAO.

Confirmed Keynote Speakers



Prof. Ole Sigmund
DTU



Prof. Kalyanmoy Deb
Mich. State Univ.



Prof. Prabhat Hajela
RPI



Prof. Sanghamitra Bandyopadhyay
ISI-Kolkata



Prof. Sankaran Mahadevan
Vanderbilt Univ.

Call for participation	April 22nd, 2024
Abstract submission	June 7th, 2024
Acceptance of abstracts	June 17th, 2024
Full paper submission	August 2nd, 2024
Acceptance of full papers	Sep. 13th, 2024
Final manuscripts	October 18, 2024

The conference is held in Bengaluru, a major cosmopolitan city and a hub of science, engineering and technology.

16-18, Dec. 2024

Bengaluru, India

