



THE AERONAUTICAL SOCIETY OF INDIA
Promoting Excellence in Aeronautical and Aerospace Profession

NCMDAO-2026

**9th National Conference on
Multidisciplinary Design, Analysis, and Optimization**

28th - 30th October 2026

**Hosted by National Institute of Technology Nagaland
Chumoukedima, Nagaland, India**



About the Conference

The 9th National Conference on Multidisciplinary Design, Analysis, and Optimization (NCMDAO-2026) continues the successful legacy of previous editions and brings together the MDAO community from academia, research laboratories, industries and government organizations. This edition is proudly hosted by the National Institute of Technology Nagaland at Chumoukedima, offering a vibrant platform for invited lectures, technical paper presentations, poster sessions, panel discussions and interdisciplinary research exchange.

Conference Vision

The conference focuses on integrated design thinking, computational analysis, intelligent optimization, AI/ML- enabled engineering, digital twins, advanced manufacturing, communication networks, electronics, energy systems and emerging multidisciplinary applications. NCMDAO-2026 aims to connect domain experts, young researchers and industry practitioners to discuss scientific advances and real-world engineering solutions.



Conference Website

www.ncmdao.org



Contact Email

ncmdao2026@nitnagaland.ac.in



Venue

NIT Nagaland, Chumoukedima,
Nagaland, India

CALL FOR PAPERS

- Authors are invited to submit 2-page extended abstract(s) via the conference website by July 7, 2026
- Accepted and presented papers will be considered for publication in the Scopus-Indexed proceedings

CONFERENCE HIGHLIGHTS

- Keynote lectures by eminent experts
- Technical paper presentations
Poster sessions and student paper awards
- Interdisciplinary research
• exchange
- Academia-industry-government
• interaction
- Emerging trends in MDAO

IMPORTANT DATES

- Extended Abstract Submission (2page)
07 July 2026
- Notification on Abstract Acceptance
15 July 2026
- Full Paper Submission (optional)
07 August 2026
- Notification on Acceptance
30 August 2026
- Camera Ready Submission
15 September 2026

***At least one author of each accepted paper/extended abstract should register for the conference**

NCMDAO-2026

Conference Themes, Participation and Sponsorship

**Hosted by National Institute of Technology Nagaland &
The Aeronautical Society of India**

CONFERENCE THEMES

- 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 modelling
- 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
- Optimization in Communication and Networking
- ML and DL for Signal/Image/Video Processing
- Micro/Nanoelectronics Devices and Circuits
- Artificial Intelligence, Data Science & Computing
- Power System Optimization and Control
- Semiconductor Devices and Material level optimization
- VLSI circuit design and RF front end optimization
- Control and Optimization
- AI, ML and Intelligent Optimization
- Edge, Cloud and Distributed Computing
- Humanitarian Technology & Engineering Education
- Control and Instrumentation
- Green Communication and Sustainable Energy Optimization
- Optimization in Power Electronics and Energy Conversion
- Other emerging topics in MDAO

NCMDAO-2026 provides a national forum to present high-quality research, learn from invited experts, meet collaborators across disciplines, explore optimization-driven solutions for engineering and societal applications, and experience the academic environment of NIT Nagaland amidst the natural beauty of Northeast India. The conference welcomes original methodological contributions, applied case studies, student research, industry practices and emerging ideas.

CONFERENCE COMMITTEE

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REGISTRATION FEE

Category	Fee
Delegates from Industry	INR 12,000
Delegates from Academia	INR 10,000
Students	INR 8,000
Accompanying Delegates	INR 5,000
Student Attendees	INR 5,000

SPONSORSHIP OPPORTUNITIES

Sponsorship Category	Fee
Platinum Sponsor	INR 5,00,000
Gold Sponsor	INR 3,00,000
Silver Sponsor	INR 2,00,000

WHY PARTICIPATE IN NCMDAO-2026?

Sponsors gain visibility among researchers, engineers, students, academic leaders and industry professionals engaged in design, analysis and optimization.

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