



M&MT 2026

Materials & Manufacturing Technology



“ASM International Pune Chapter in association with
ASM India National Council is organizing a two days
International Conference & Exhibition on

Materials & Manufacturing Technology 2026

With a focus on

Applications of AI in Materials & Manufacturing

AI

Sponsors



BHARAT FORGE



ELCA



NDT Technology
IBG, Germany

Dates

Thu. 8th - Fri. 9th October 2026

Venue

Hotel Pride, Ganeshkhind Road,
Shivajinagar, Pune-411004.

For the conference M & MT 2026 Email : mnmt26.asm.pune@gmail.com Mob. : 9272490741
www.asmpunechapter.org

“Artificial Intelligence (AI) and Machine Learning (ML) are transforming the very foundation of modern manufacturing, redefining how materials are designed, produced, and optimized. In today’s rapidly evolving technological environment, industries that embrace AI gain unprecedented advantages like higher precision, faster decision-making, maintenance capabilities, and significant cost and energy efficiency. This conference seeks to deepen the understanding of AI and ML applications specifically within material manufacturing and metallurgical processes, drawing insights from organizations that have already integrated these technologies. By showcasing real industrial case studies, we aim to highlight how AI is no longer optional but essential for staying relevant and competitive.

This Conference will bring together pioneering users who have successfully implemented AI, along with industry experts who are shaping the next wave of AI-driven innovation. Their experiences covering implementation journeys, challenges faced, and success stories will offer valuable guidance to industries aspiring to adopt these transformative technologies. By uniting experienced practitioners, solution providers, and new adopters, the conference aspires to accelerate AI adoption across Indian industry, strengthening its global competitiveness and preparing it for the future of intelligent manufacturing.”

List of Confirmed Papers

- Plenary session: Speaker by DR Satyam Sahay
- Plenary session: speaker by Dr Pallaraju Sivprasad
- Plenary session : speaker by Dr R K P Singh
- Deep Reinforcement Learning Enabled Predictive Thermal Management and Cyber Resilience in Advanced Energy Storage Materials
- Influences of Artificial Intelligence in the Electrochemical Discharge Machining Processes
- Digital Twin Technologies and Machine Learning for Real-Time Performance Characterization of Architected Lattices
- Artificial Intelligence in Metallurgical Failure Analysis: Applications, Limitations, and Engineering Responsibility
- From Scrap Variability to Consistent Castings: A Robust Charge Mix Optimization Framework
- AI-Powered Eddy Current Testing (NDT) for Surface Layer Characterization of induction hardened parts – From Laboratory to Inline/
- Data-Driven Framework for Screening and Ranking Composite Coating Compositions for High-Temperature Metallurgical Dies Using Machine Learning
- Artificial Intelligence and Data Analytics in Forging
- Artificial Intelligence in Materials Engineering and Manufacturing : High impact Applications for Intelligent and Sustainable Productions
- Integrating AI –ML and its role in helping applications by predicting the process outcomes/Sponsorship with Industry talk
- AI-Assisted Welding Applications
- Dr Satyam Sahay
- Dr Pallaraju Sivprasad
- Dr R KP Singh & Dr Raju Kadam
- Mr Aditya Bansal, Dr Ramya K
- Dr Maneetkumar R. Dhanvijay, Dr B. B. Ahuja,
- Dr Kamalkishore Uke
- Mr Swapnil Vyavahare,
- Dr. Sudarshan Sanap
- Mr V. S. Galphade
- Mr Anirudh Chowdhary, Rahul V
- Anil Tathawadekar-Sponsorship with Industry talk
- Dr Pravin , Dr Shailesh
- Mr Vishwas Kale
- Dr Manisha Nene
- Dr Anand Tadas-Sponsorship with Industry talk
- Mr Binoy Shaw, General Manager, Operations

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M&MT 2026

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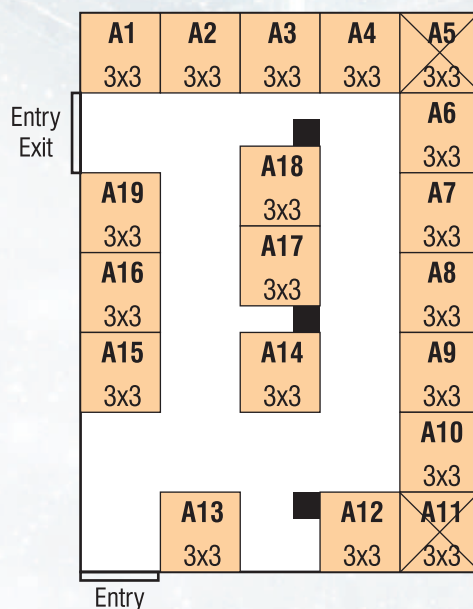
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For details please contact :
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Academia		6000/-

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Convenor of the Conference

Dr R K P Singh, Senior Director,
Kalyani Centre for Technology and Innovation,
R&D of Bharat Forge Ltd

Convenor of Poster Competition

Prof. Yogesh Dandekar
MA Chapter Coordinator for MKSSS' CCEW, Nagpur

Convenor of the Exhibition

Mr Y S Gowaikar
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