

Metal Additive Manufacturing Symposium 2022

Advancing the
Indian Metal Additive Manufacturing Ecosystem

27-28 July 2022

Taj Yeshwantpur, Bengaluru

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Metal Additive

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Symposium 2022

Agenda

Advancing the Indian Metal Additive Manufacturing Ecosystem

Day 1 - Wednesday, 27th July 2022

Inaugural and Keynote Session

<u>Time</u>	<u>Speaker/Topic</u>
09:00 - 10:00 hrs	Registration & Networking
10:00 - 10:05 hrs	Welcome Address: Aditya Chandavarkar, Managing Editor, AM Chronicle
10:05 - 10:25 hrs	Inaugural Session
10:25 - 10:50 hrs	Build a comprehensive ecosystem of additive manufacturing in India Keynote Address: Jaspreet Sidhu, CEO NCAM
10:50 - 11:15 hrs	Opportunities for Metal Additive Manufacturing in Aerospace Keynote Address: Dr Kishora Shetty, Lead Engineer, Boeing India
11:15 - 11:40 hrs	Metal Additive Manufacturing in Space Programs Keynote Address: Dr Anil, Scientist SF, VSSC, ISRO
11:40 - 12:05 hrs	Keynote Address: Michel Pereme, Director Global Channel Business - Simufact, Hexagon
12:05 - 13:05 hrs	Roadmap to Scale Metal Additive Manufacturing in India - Industry Roundtable and launch of the Metal AM Industry Workgroup
13:05 - 14:00 hrs	Lunch

Technical Session 1: Standards, Certification and Qualification | Session Chair: Dr Shirish Kale, GD - CEMILAC

<u>Time</u>	<u>Speaker/Topic</u>
14:00 - 14:25 hrs	Navigating the Global AM Standards Landscape Dr Alex Liu, Head of AM Programs, ASTM International
14:25 - 14:50 hrs	Metal Additive Manufacturing Qualification and Airworthiness Certification for Aero - Applications Dr Ram Prabhu, Scientist E, CEMILAC
14:50 - 15:15 hrs	Standards and certification requirements for strategic AM application Dr U Chandrasekar, Program Director, Wipro 3D
15:15 - 15:40 hrs	User Case Study
15:40 - 16:30 hrs	PANEL DISCUSSION: Standards, Qualification and Certification as enablers of Metal Additive Manufacturing in India Panel Moderator: Dr Rafi Khalid, Senior Lead, ASTM International Panelists: Dr Shirish Kale, GD CEMILAC Dr U Chandrasekar, Wipro 3D Dr Dheepa Srinivasan, Pratt and Whitney
16:30 - 17:00 hrs	Evening Tea

Technical Session 2: Modelling Simulation, DfAM, Pre-processing | Session Chair: Vaman Kulkarni

<u>Time</u>	<u>Speaker/Topic</u>
17:00 - 17:25 hrs	Modelling Simulation strategies for Metal Additive Manufacturing Manjunath Adiga, Honeywell Aerospace
17:25 - 17:50 hrs	Design consideration for Energy Application Mihir Patel, Additive Manufacturing Leader, Baker Hughes
17:50 - 18:15 hrs	XFEM simulation of Fatigue behaviour of AM fabricated Ti alloy Dr Jayaganthan, IIT Madras
18:15 - 19:00 hrs	PANEL DISCUSSION: First Time Right with Metal Additive Manufacturing Panel Moderator: Vaman Kulkarni Panelists: Manjunath Adiga, Honeywell Aerospace Dr Amaresh Chakrabarthy, IISc Mihir Patel, Baker Hughes Santhosh Nagaraju, Hexagon Avinash Abraham, Materialise
19:00 hrs onwards	Metal AM Users Networking Dinner Powered by Hexagon Global insights on metal AM - Michel Pereme - Hexagon Industry Chat - A candid discussion with industry leaders - Putting India on the Global Metal AM Map

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Day 2 - Thursday, 28th July 2022

Technical Session 3: Materials for Additive Manufacturing | Session Chair: Dr Satyam Suwas, IISc Bengaluru

<u>Time</u>	<u>Speaker/Topic</u>
08:30 - 09:30 hrs	Networking and Tea
09:30 - 09:55 hrs	Review of Advancements in Metal AM Powders Dr Dheepa Srinivasan, Pratt and Whitney
09:55 - 10:20 hrs	Metal Powders for Tooling Applications Dr Shashi Kumar, Indo MIM
10:20 - 10:45 hrs	User Case Study
10:45 - 11:25 hrs	Future of Metal Additive Manufacturing Materials Moderator: Dr Dheepa Srinivasan Panelists: Dr Satyam Suwas, IISc Bengaluru Dr Sasikumar, Indo MIM Dr Priyanshu Bajaj, M4P

Technical Session 4: AM Process, Technology and Applications | Session Chair: Dr C.P. Paul, RRCAT

<u>Time</u>	<u>Speaker/Topic</u>
11:25 - 11:45 hrs	Application Case Study - Space Srinath R, Agnikul Space
11:45 - 12:05 hrs	Application Case Study - Oil & Gas Rahul Wagh, Senior Engineering Manager, Innovation, Baker Hughes
12:05 - 12:25 hrs	Application Case Study - Aerospace/Aviation Arpit Sahu, Co-Founder, Objectify
12:25 - 12:50 hrs	Application Case Study - Aviation Interiors Sreekanth Rao, Sr. Principal Engineer, Collins Aerospace
12:50 - 13:30 hrs	PANEL DISCUSSION: Driving demand for Metal AM in Industrial Applications Panel Moderator: Dr C.P.Paul Panelists: V.Narasaiah, Shell Arpit Sahu, Co-Founder, Objectify Rahul Wagh, Baker Hughes Sreekanth Rao, Collins Aerospace Shripathi, Hexagon
13:30 - 14:10 hrs	Lunch

Technical Session 5: AM Process, Technology, Applications | Session Chair: Aditya Chandavarkar

<u>Time</u>	<u>Speaker/Topic</u>
14:10 - 14:30 hrs	Application Case Study - Medical 3D Printing Dr Kaushik Chatterjee, IISc
14:30 - 14:50 hrs	Application Case Study - Medical Devices Vishwanath Nayak, Principal Engineer, GE Healthcare
14:50 - 15:10 hrs	Application Case Study - Medical 3D Printing Maltesh Somashekarappa
15:10 - 15:30 hrs	Summary and VoT
15:30 - 17:30 hrs	Networking and Tea

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Keynote Session



Jaspreet Sidhu
CEO
NCAM



Dr Kishora Shetty
Engineering Lead
Boeing India



Michel Pereme
Director Global Channel Business
Simufact



Dr Anil Kumar
Scientist SF, VSSC
ISRO

Expert Speakers



Dr Alex Liu
Head of AM Programs
ASTM International



Dr Ram Prabhu
Scientist E
CEMILAC



Dr U Chandrasekar
Program Director
Wipro 3D



Dr Rafi Khalid
Senior Lead
ASTM International



Dr Jayaganthan R.
Professor, Dept of Engg. Design
IIT Madras



Dr Shirish Kale
Group Director,
CEMILAC, DRDO



Dr Dheepa Srinivasan
Chief Engineer
Pratt & Whitney



Manjunath Adiga
Sr. Engineering Manager
Honeywell Aerospace



Antony Paul
DGM & Hea
AM Centre of Excellence, L&T



Dr Satyam Suwas
Professor & Chair, Dept. of Materials
IISc Bengaluru



Vaman Kulkarni
Industry Expert / Advisor
Ex-Director, Honeywell Solutions



Dr Amaresh Chakrabarthi
Senior Prof & Chairperson,
CPDM, IISc Bengaluru



Ankit Sahu
Co-Founder
Objectify Technologies



Avinash Abhraham
Regional Manager
Materialise India



Prakasam Anand
Country Head - India
EOS GmbH



Dr C.P. Paul
Head, Laser AM Lab
RRCAT



Srinath R
Co-Founder & CEO
Agnikul Space



Rahul Wagh
Senior Engineering Manager
Baker Hughes



Arpit Sahu
Co-Founder
Objectify



Sreekanth Rao
Sr. Principal Engineer
Collins Aerospace



V. Narasaiah
Sr. Materials & Corrosion Engineer
Shell



Shripathi V.
Sr. Manager, Technical & BD, Indo Pacific
Hexagon



Dr Kaushik Chatterjee
Associate Professor
IISc



Vishwanath Nayak
Principal Engineer
GE Healthcare



Maltesh Somashekarappa
CEO & Co-Founder
Supercraft3D



Dr Priyanshu Bajaj
Reg. Manager - APAC
M4P



Mihir Patel
Additive Manufacturing Leader
Baker Hughes



Bhrigu Ahuja
CTO
Objectify Technologies Pvt Ltd



Santhosh Nagaraju
Sr. Technical Specialist
Hexagon

Experts from



GE Healthcare



Aerospace



भारतीय विज्ञान संस्थान



Registration

Join MAMS 2022 and Connect with the entire Metal Additive Manufacturing Ecosystem at one place including Users, Software Providers, Technology and Material Manufacturers, Researchers, Policy Makers, and Standards/Certification/Qualification Bodies

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