

## Programme Schedule

### One Week Short-Term Course (Hybrid Mode)

on

## ADVANCEMENTS IN MATERIAL PROCESSING AND ADDITIVE MANUFACTURING (AMPAM 2024)

JANUARY 8-12, 2024

### DEPARTMENT OF MECHANICAL ENGINEERING

Sant Longowal Institute of Engineering & Technology

(Deemed-to-be-University under MoE, Govt. of India)

(Accredited by NAAC with 'A' Grade)

Longowal, District - Sangrur (Punjab)



### INAUGURATION - AMPAM 2024

08<sup>th</sup> January 2024 (9.30 am- 10.15 am)

Keynote Address by Prof. Mani Kant Paswan, Director SLIET

Day/Time	11.15 am-12.20 pm	12.25 pm-1.30 pm	2.30 pm-3.35 pm	
<b>Day 1</b> 08-01-2024	<i>Development of Advance Simulation Model for Additive Manufacturing Processes</i> <b>Dr Sagar Nikam</b> Ulster University, Northern Ireland, UK.	<i>Fabrication of Functional Alloys for Machine Tool Applications using Additive Manufacturing</i> <b>Dr Shiva S</b> Indian Institute of Technology, Jammu (J&K).	<i>Advanced Composites and Manufacturing Process Development for Technological Applications</i> <b>Dr Padmanabhan Krishna</b> VIT University, Vellore.	
Day/Time	10.30 am-11.35 am	11.40 am-12.45 pm	2.30 pm-3.35 pm	
<b>Day 2</b> 09-01-2024	<i>Innovative Processing Routes for Synthesis of Lightweight Magnesium Alloys and its Nanocomposites</i> <b>Dr Manoj Gupta</b> National University of Singapore, Singapore.	<i>Direct Pellet Printing: Scope, Challenges and Case Studies</i> <b>Dr Narendra Kumar</b> National Institute of Technology, Jalandhar (Punjab).	<i>Current Advances in Additive Manufacturing</i> <b>Dr Puneet Tandon</b> Indian Institute of Information Technology Design & Manufacturing (IIITDM), Jabalpur (MP).	
<b>Day 3</b> 10-01-2024	<i>Applications of Computational Tools in Metal Additive Manufacturing</i> <b>Dr Tuhin Mukherjee</b> Iowa State University, USA.	<i>Assessment of Additive Manufacturing Parts</i> <b>Dr Leeladhar Nagdeve</b> National Institute of Technology, Delhi.	<i>Micro-machining and Surface Finishing of Additively Manufactured Parts</i> <b>Dr Ajay M. Sidpara</b> Indian Institute of Technology Kharagpur, Kharagpur (WB).	
<b>Day 4</b> 11-01-2024	<i>Abrasive Flow Finishing of Additive Manufactured Complex Internal and External Features</i> <b>Dr Mamilla Ravi Sankar</b> Indian Institute of Technology, Tirupati, Tirupati (AP).	<i>3D printing of Glass Fiber plus Nylon Composite using FFF Process</i> <b>Dr Harshit Dave</b> National Institute of Technology, Surat (Gujrat)	<i>Micromechanical Modelling of Graded Composite Materials</i> <b>Dr Vishesh Ranjan Kar</b> National Institute of Technology Jamshedpur (Jharkhand).	
<b>Day 5</b> 12-01-2024	<b>10.00 am-11.10 am</b> <i>Development of a Laser-based Directed Energy Deposition System</i> <b>Dr Manas Das</b> Indian Institute of Technology Guwahati; Guwahati (Assam).	<b>11.15 am-12.25 pm</b> <i>Developments in Hybrid USM and <math>\mu</math>-ECM Processes: Current Status and Future Trends</i> <b>Dr Ravi Pratap Singh</b> National Institute of Technology, Kurukshetra (Haryana).	<b>12.30 pm -1.35 pm</b> <i>Experimental and Micromechanical Analysis of Hierarchical Nanocomposite Materials</i> <b>Dr Shailesh I Kundalwal</b> Indian Institute of Technology, Indore (MP).	<b>2.30 pm-3.40 pm</b> <b>Industry Expert</b> <i>Influence of Manufacturing Processes on Fatigue Life of Structural Steel Plates used in Automotives.</i> <b>Dr Prabhakar M,</b> Tata Motors Ltd., Jamshedpur (Jharkhand).
<b>VALEDICTORY - AMPAM 2024</b>			<b>12th January 2024 (3.50 pm- 4.45 pm)</b>	

Coordinator, AMPAM 2024