

1<sup>st</sup> International Conference on  
**Materials, Design and Manufacturing for Sustainable Environment**  
**(ICMDMSE 2020)**  
 March 13–14, 2020

**PROGRAM SCHEDULE**

<b>Day 1 (13.03.2020)</b>	
8:30 am – 9:30 am	Registration
9:30 am – 10:15 am	Inauguration <b>Dr Swati Murthy</b> <i>'Digital Solutions for sustainability'</i>
10:15 am – 10:45 am	Group Photo / High Tea
10:45 am – 11:30 am	<b>Keynote Lecture 1</b> <b>Dr. RamaGopal V Sarepaka</b> Senior Vice President – SPDT & IR Optics OPTICS & ALLIED ENGG.PVT.LTD., (OPTICA), Bangalore <i>'Ultra-Precision Manufacturing &amp; Metrology for strategic applications'</i>
11:30 am – 12:15 pm	<b>Keynote Lecture 2</b> <b>Dr. C Balaji</b> Profesor, IIT Madras <i>'Climate Change – Science and Impacts'</i>
12:15 pm – 12:30 pm	<b>Industry Invited talk</b>
12:30 pm – 1:30 pm	Lunch Break
1:30 pm – 2:15 pm	<b>Keynote Lecture 3</b> <b>Dr.Rajesh Ranganathan</b> Professor, CIT Coimbatore <i>'The potential of additive manufacturing'</i>
2:15 pm – 3:45 pm	<b>Technical Paper Presentation Session – I</b>
	<b>Technical Paper Presentation Session – II</b>
	<b>Technical Paper Presentation Session – III</b>
	<b>Technical Paper Presentation Session – IV</b>
3:45 pm – 4:00 pm	<b>Tea Break</b>
4:00 pm – 5:30 pm	<b>Technical Paper Presentation Session – V</b>
	<b>Technical Paper Presentation Session – VI</b>
	<b>Technical Paper Presentation Session – VII</b>
	<b>Technical Paper Presentation Session – VIII</b>
5:30 pm – 7:00 pm	<b>Campus Tour / Networking</b>
7:00 pm – 9:00 pm	<b>Conference Dinner / Networking</b>

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<b>Day 2 (14.03.2020)</b>	
8:30 am – 9:00 am	<b>Day 1 Group Photograph sharing / Videos / Review / Interaction / Networking</b>
9:00 am – 9:45 am	<b>Keynote Lecture 4</b> <b>Dr.A Senthil Kumar</b> Associate Professor, NUS Singapore <i>‘Ultra-Precision Machining: Challenges and Opportunities’</i>
9:45 am – 10:30 am	<b>Keynote Lecture 5</b> <b>Dr.N.Siva Shanmugam</b> Associate Professor, NIT Trichy <i>‘Wire &amp; Arc Additive manufacturing (WAAM) by Robotic MIG Process’</i>
10:30 am – 10:45 am	Tea Break
10:45 am – 11:30 pm	<b>Keynote Lecture 6</b> <b>Dr. Santhakumar Mohan</b> Associate Professor, IIT Palakkad <i>‘Design and Motion Control of Lower Limb Rehabilitation Robots:An overview’</i>
11:30 am – 12:15 pm	<b>Keynote Lecture 7 (Video Conferencing)</b> <b>Dr. Karthik Balasubramanian</b> Assistant Professor, NIT Warangal <i>‘Microchannel designs for thermal management of electronics’</i>
12:15 pm – 12:30 pm	<b>Industry Invited Talk</b>
12:30 pm – 1:30 pm	Lunch Break
1:30 pm – 3:30 pm	<b>Technical Paper Presentation Session – IX</b>
	<b>Technical Paper Presentation Session – X</b>
	<b>Technical Paper Presentation Session – XI</b>
	<b>Technical Paper Presentation Session – XII</b>
3:30 pm – 3:45 pm	<b>Tea Break</b>
3:45 pm – 4:15 pm	<b>Valedictory function</b> E6 Seminar Hall