



Second International Conference on Future Technologies (ICOFT 2021) in Manufacturing, Automation, Design and Energy

December 16 – 18, 2021

organized by
Department of Mechanical Engineering
National Institute of Technology Puducherry
Karaikal, INDIA.

CONFERENCE SCHEDULE

Day 01 – December 16, 2021 (Thursday)

Date	Session	Time	Event	Description
16.12.2021 (Thursday)	FN	09.00 a.m. to 10.00 a.m. (UTC+05.30)	Inaugural Ceremony	<p>Inaugural Ceremony of ICOFT 2021 presided by Prof. K. Sankaranarayanan, Director, NIT Puducherry.</p> <p>Chief Guest: Prof. Prabhakaran Ramamurthy, Eminent Professor, Department of Mechanical and Aerospace Engineering, Old Dominion University, Norfolk, Virginia, USA</p>
		10.00 a.m. to 11.00 a.m. (UTC+05.30)	Keynote Lecture I	<p>Additive Manufacturing (AM) and applications to Composites</p> <p>Prof. Prabhakaran Ramamurthy Eminent Professor, Department of Mechanical and Aerospace Engineering Old Dominion University, Norfolk, Virginia, USA.</p>
		11.30 a.m. to 12.30 p.m. (UTC+05.30)	Keynote Lecture II	<p>Additive Manufacturing of Metals – Opportunities and Challenges</p> <p>Prof. T.S.N. Sankara Narayanan Professor Emeritus, Department of Analytical Chemistry, University of Madras, Guindy Campus, Chennai, India (Former Research Professor, Chonbuk National University and Ulsan National Institute of Science and Technology, Republic of Korea)</p>

Date	Session	Time	Event	Description
16.12.2021 (Thursday)	AN	02.30 p.m. to 03.45 p.m. (UTC+05.30)	Paper Presentation (M1)	Manufacturing Stream: Paper ID's: 01, 09, 10, 19, 31, 34
			Paper Presentation (D1)	Design Stream: Paper ID's: 13, 26, 29, 30, 32, 33
			Paper Presentation (E1)	Energy Stream: Paper ID's: 16, 20, 21, 23, 37, 38, 168
		04.00 p.m. to 05.15 p.m. (UTC+05.30)	Paper Presentation (M2)	Manufacturing Stream: Paper ID's: 43, 45, 46, 57, 59, 182
			Paper Presentation (D2)	Design Stream: Paper ID's: 39, 44, 47, 53, 54, 58
			Paper Presentation (E2)	Energy Stream: Paper ID's: 42, 55, 56, 76, 81, 103
		05.30 p.m. to 06.45 p.m. (UTC+05.30)	Paper Presentation (M3)	Manufacturing Stream: Paper ID's: 64, 67, 70, 96, 99, 104
			Paper Presentation (D3)	Design Stream: Paper ID's: 52, 65, 73, 74, 75, 84
			Paper Presentation (E3)	Energy Stream: Paper ID's: 108, 123, 131, 136, 143, 144

Day 02 – December 17, 2021 (Friday)

Date	Session	Time	Event	Description
17.12.2021 (Friday)	FN	09.30 a.m. to 10.30 a.m. (UTC+05.30)	Keynote Lecture III	A systematic CFD approach to present the innovative concept of safe in-vessel core debris retention after severe accident in a fast reactor Prof. Anil Kumar Sharma, Professor, Department of Mechanical Engineering, Faculty of Engineering and Technology, Jamia Millia Islamia (A Central University), New Delhi, India
		11.00 a.m. to 12.30 p.m. (UTC+05.30)	Paper Presentation (M4)	Manufacturing Stream: Paper ID's: 105, 109, 110, 111, 113, 116
			Paper Presentation (D4)	Design Stream: Paper ID's: 85, 87, 88, 98, 120, 127
			Paper Presentation (E4)	Energy Stream: Paper ID's: 28, 82, 145, 146, 155, 173

Date	Session	Time	Event	Description
17.12.2021 (Friday)	AN	02.30 p.m. to 03.45 p.m. (UTC+05.30)	Keynote Lecture IV	Novel floating film technique (FTM) for the formation of ordered thin film of organic materials and polymer nano-composites Prof. Rajiv Prakash Professor, School of Materials Science and Technology Dean (Research and Development), Indian Institute of Technology (Banaras Hindu University), Varanasi, India.
		04.00 p.m. to 05.15 p.m. (UTC+05.30)	Paper Presentation (M5)	Manufacturing Stream: Paper ID's: 24, 60, 118, 119, 124, 133, 171
			Paper Presentation (D5)	Design Stream: Paper ID's: 141, 156, 158, 159, 166, 176
			Paper Presentation (A1)	Automation Stream: Paper ID's: 02, 63, 69, 72, 126, 184
		05.30 p.m. to 06.45 p.m. (UTC+05.30)	Paper Presentation (M6)	Manufacturing Stream: Paper ID's: 71, 80, 100, 132, 134, 137, 180
			Paper Presentation (D6)	Design Stream: Paper ID's: 91, 92, 94, 130, 135, 175
			Paper Presentation (A2)	Automation Stream: Paper ID's: 106, 128, 147, 152, 165, 181

Day 03 – December 18, 2021 (Saturday)

Date	Session	Time	Event	Description
18.12.2021 (Saturday)	FN	09.30 a.m. to 10.30 a.m. (UTC+05.30)	Keynote Lecture V	The role of secondary ceramics addition on the microstructure, mechanical properties and thermal stability of TiCN Based Cermets Prof. S.Balasivanandha Prabu Professor and Head, Department of Mechanical Engineering, College of Engineering Guindy, Anna University, Chennai, India.
		11.00 a.m. to 12.30 p.m. (UTC+05.30)	Paper Presentation (M7)	Manufacturing Stream: Paper ID's: 07, 35, 97, 101, 129, 161
			Paper Presentation (D7)	Design Stream: Paper ID's: 03, 15, 183
			Paper Presentation (E5)	Energy Stream: Paper ID's: 66, 79, 83, 125, 151, 185
18.12.2021 (Saturday)	AN	01.30 p.m. to 02.30 p.m. (UTC+05.30)	Keynote Lecture VI	Measurement technologies for future smart manufacturing Prof. Wei Gao Professor, Department of Finemechanics, School of Engineering Tohoku University, Japan.
		03.00 p.m. to 04.00 p.m. (UTC+05.30)	Keynote Lecture VII	Sustainable and Functional Materials: Bridging the Gap between Laboratory and Industrial Applications for a Circular Economy Prof. Vijay Kumar Thakur Professor and Founding Head Biorefining and Advanced Materials Research Centre Scotland's Rural College, Edinburgh, United Kingdom
		04.00 p.m. to 04.30 p.m. (UTC+05.30)	Valedictory Ceremony	Valedictory Ceremony of ICOFT 2021 presided by Prof. K. Sankaranarayananasamy, Director, NIT Puducherry. Chief Guest: Prof. Vijay Kumar Thakur, Professor and Founding Head, Biorefining and Advanced Materials Research Centre, Scotland's Rural College, Edinburgh, United Kingdom.
