



**International Virtual Conference on
“Frontiers in Manufacturing Technology”(FMT 2020): October 13-14, 2020**

Organized by

**Department of Physics, School of Applied Sciences,
Kalinga Institute of Industrial Technology (KIIT),
Deemed to be University Bhubaneswar-751024, Odisha,India**

Programme Schedule

Slot	Time (IST) GMT+5.30	DAY-1, October 13, 2020 (Tuesday)
		Speakers, Affiliation and Title
	9.30 AM-10.10AM	Inauguration
		Session-1 Chairperson: Prof. Puspalata Patojoshi Dean, School of Applied Sciences, KIIT-DU, India
PL-1	10.10 AM-10.50 AM	Dr. Sandip Chatterjee Director, Electronic Materials & Components Development Division, Ministry of Electronics and Information Technology, Govt. of India Future Electronics Manufacturing and MeitY's Initiatives
PL-2	10.50 AM- 11.30AM	Dr. Bharat B. Kale, Director General Center for Materials for Electronics Technology, (C-MET), India Rechargeable batteries and materials as an energy storage device
PL-3	11.30 AM- 12.10AM	Rajendrakumar Sharma Chairman & Managing Director, Spel Technologies Pvt. Ltd, Pune, India Supercapacitors...an emerging energy storage technology of future
PL-4	12.10 PM-12.50 PM	Prof. Suddhasatwa Basu, Director, CSIR-Institute of Minerals and Materials Technology Bhubaneswar, Odisha, India Recovery of alumina, silica and rare earth values from Indian fly ash
	1.00 PM- 2.00 PM	POSTER SESSION & LUNCH
		Session-2 Chairperson: A. K. Chaubey Principal Scientist, IMMT, Bhubaneswar, India
PL-5	2.00 PM- 2.40PM	Prof. Jürgen Eckert, Director, Erich Schmid Institute (ESI), Materials Science of the Austrian Academy of Sciences Austria. Synthesis and Properties of Complex Metallic Materials with Hierarchical Microstructures
INV-1	2.40 PM-3.10PM	Dr. Prashanth Konda Gokuldoss, Head of the Additive Manufacturing Laboratory, Department of Mechanical and Industrial Engineering, Tallinn, Estonia. Additive Manufacturing of Metals and Alloys.
INV-2	3.10 AM-3.30PM	Subrat Kar General Manager (Research and Development), NALCO, India Modern Manufacturing Technology- with special focus on

		Aluminium
		Session-3 Chairperson: Dr. T. Venugopal Managing Director, Welding Alloys (Far East), Malaysia
INV-3	3.30PM- 3.50 PM	Dr. R.V.S. Prasad, Research and Development Associate (Metal Additive Manufacturing) IISc-Bangalore Metal Additive Manufacturing - Current challenges and Opportunities
INV-4	3.50 PM-4.20 PM	Mr. Sukamal Naskar Regional Product Manager, ESAB, Singapore Practical challenges of corrosion performance in manually welded super-duplex stainless (uns32760) tubes & pipes in oil & gas, offshore industries
INV-5	4.20 PM- 4.50 PM	Dr.M. Srinivas Naval Science & Technological Laboratory, Visakhapatnam, India Nanostructured ultrasoft magnetic materials for power transformers
		Session-4 Chairperson: Dr. Bhavya Bhushan Dept. of Physics, SAS, KIIT-DU, India
INV-6	4.50 PM- 5.20 PM	Dr.Koorella Krishna Senior Manager - Materials Engineering Department, Technical Centre, Ashok Leyland, Chennai, India An overview on Automobile Light weighting
INV-7	5.20 PM-5.50 PM	Dr. T. Venugopal Managing Director, Welding Alloys (Far East), Malaysia Applications of Hardfacing & Cladding in Process Industries
PL-6	5.50 PM- 6.30 PM	Dr. Moni Kanchan Datta University of Pittsburgh, Pittsburgh, Pennsylvania, USA Clean Energy and Energy Storage Pathway for Future Energy Storage Devices: Lithium Ion and Lithium Metal Batteries
Slot	Time (IST) GMT+5.30	DAY-2, October 14, 2020 (Wednesday)
		Speakers , Affiliation and Titles
		Session-5 Chairperson: Prof. Chinmoy Kumar Panigrahi Director, School of Electrical Engineering, KIIT-DU, India
PL-7	9.15 AM- 10.00 AM	Prof. B. S. Murty, Director, Indian Institute of Technology, Hyderabad, India High Entropy Alloys: A new class of advanced materials
INV-8	10.00 AM- 10.30 AM	Dr.Surekha Krishnan, Ichor Systems Fremont, CA, USA. Invasion of orbital welding
INV-9	10.30 AM- 11.00 AM	Prof. Saroj Kumar Nayak School of Basic Science, Indian Institute of Technology, Bhubaneswar, India, Giant enhancement of thermal conductivity of aluminium-graphene composite through electron phonon engineering
INV-10	11.00 AM- 11.30 AM	Sabyasachi Roy Director ANTS Ceramics Pvt. Ltd; ANTS Innovations Pvt Ltd, India Manufacturing Processes of Advance Oxide Ceramics

		<p align="center">Session-6 Chairperson: Dr. Ishan Panigrahi Head, Automobile Engineering, School of Mechanical Engineering, KIIT-DU, India</p>
PL-8	11.30 AM -12.20 PM	<p>Dr. Jean Marie Bonnel Technical Director, Welding Alloys Group, France An overview of cored wires for welding stainless and heat-resisting steels.</p>
INV-11	12.20 PM - 12.40 PM	<p>Darya Sopyryareva, Brandenburg University of Technology Cottbus-Senftenberg; Welding Alloys Group - Intellegens, UK High Cr cast iron welding consumables: a machine learning approach</p>
INV-12	12.40 PM - 1.00 PM	<p>Selvi Ezhenkowan Senior Quality Engineer Welding Alloys Group (Far East); Malaysia Effects of Niobium and Boron addition on the properties of Iron based materials for Hardfacing applications</p>
	1.00 PM - 2.00 PM	POSTER SESSION & LUNCH
		<p align="center">Session-7 International E-Waste Day Chairperson: Dr. Soma Dutta Principal Scientist, CSIR-National Aerospace Laboratories, Bangalore, India</p>
INV-13	2.00 PM - 2.30 PM	<p>Dr. Smita Mohanty Director & Head LARPM, CIPET, Bhubaneswar Resource recovery from Electronic Waste in Today's environment: Challenges and Opportunities</p>
INV-14	2.30 PM - 3.00 PM	<p>Dr. P. Mastanaiah, Head, Special Fabrication Division Directorate of Engineering, Defense Research and Development Laboratory, Hyderabad, India Electron beam welding: Process, techniques and its use in aerospace sector</p>
INV-15	3.00 PM - 3.30 PM	<p>Dr. S. Rajesh Kumar Centre for Materials for Electronics Technology, (C-MET), India E-Waste recycling - key challenges and emerging technologies</p>
PL-9	3.30 PM - 4.10 PM	<p>Dr. Mario Cordero Manager R&D, Welding Alloys Group-France Recent developments in arc spraying consumables for the protection of heat exchangers in waste-to-energy plants</p>
	4.10 PM - 4.30 PM	YOUNG ENTREPRENEURE FORUM
	4.30 PM - 6.00 PM	Panel Discussion & Valedictory, AWARD