

PROGRAMME SCHEDULE-MECHANICAL TRACK

DAY 1 - 28TH APRIL 2023

8:30 am to 9:30 am	Registration at Main Building, UCE, OU
9.15 am to 10.15 am	Inauguration at Assembly Hall, UCE, OU
10.15 am to 11.00 am	Tea Break
11.00 am to 11.45 am	<p>KEYNOTE ADDRESS - 1</p> <p>FROM THERMOSTATS TO INTELLIGENT SYSTEMS: MY LIFE IN CONTROL</p> <p>Dr. Kumpati S Narendra</p> <p>Harold W Cheel Professor Emeritus, Engineering, Yale University, USA</p> <p>Venue: Assembly Hall, UCEOU</p>
<p>TECHNICAL PAPER PRESENTATIONS-1</p> <p>12.00 pm to 1.00 pm Venue: E-classroom, MED Department</p> <p>Session Chairs: Prof.G.Narendar (<i>Osmania University, Hyderabad</i>)</p> <p style="text-align: center;">Prof.V.Uma Maheshwar (<i>Osmania University, Hyderabad</i>)</p>	
ICETE_MED_5585	<p>Design and Performance Analysis of a Producer Gas Cleaning System for a Downdraft Gasifier Processing Segregated Dry Municipal Solid Waste and Biomass</p> <p><i>Ravi Kumar Rachamala (MVSr Engineering College, Hyderabad), Narsimhulu Sanke (Osmania University, Hyderabad) and Seshu Kumar A (IICT, Hyderabad)</i></p>
ICETE_MED_6788	<p>Study On Electronic Properties Of Nano Structures</p> <p><i>Anabathula Udaya Sri, Dr D.Vinay Kumar (Vignan University, Guntur) and Dr B.Hadya (Osmania University, Hyderabad)</i></p>
ICETE_MED_2481	<p>Study of Combustion characteristics for R1234yf/R134a Refrigerant Leakage from VCRS Cycle: an Experimental Approach</p> <p><i>Madhu B and Dr.Hadya Nayak (Osmania University, Hyderabad)</i></p>
ICETE_MED_7016	<p>Impact Analysis of the CI Engine Emission and Performance Characteristics for Biodiesel from Calotropis Root Oil</p> <p><i>Bhukya Balu (Osmania University, Hyderabad), Dr.G.Venkakta Subbaiah (Andhra University, Visakhapatnam) and Dr.Narsimhulu Sanke (Osmania University, Hyderabad)</i></p>
1:00 pm to 2:00 pm	Lunch Break
<p>TECHNICAL PAPER PRESENTATIONS-2</p> <p>2.00 pm to 2.45 pm Venue: E-classroom, MED Department</p> <p>Session Chairs: Prof.K.Saraswathamma (<i>Osmania University, Hyderabad</i>)</p> <p style="text-align: center;">Prof.Gajanana (<i>MVSr EC, Hyderabad</i>)</p>	
ICETE_MED_3590	<p>Study of wear analysis of chitosan epoxy polymer composites</p> <p><i>Om Prakash, Harshavardhan Rebelly, Raviteja Shivakoti, Kirti Gorremuchu and Deepika Nalla (Kakatiya Institute of Technology and Science, Warangal)</i></p>
ICETE_MED_9282	<p>Mathematical Modelling and Optimization of Tool Geometry to Machine Hard Metals using PCBN Inserts</p> <p><i>Adil Syed (Muffakham Jah College of Engineering and Technology, Hyderabad), Dr.Krishnaiah Arkanti (Osmania University, Hyderabad) and Srinivas Rao Dongoor (Muffakham Jah College of Engineering and Technology, Hyderabad)</i></p>
ICETE_MED_1267	<p>Multi-objective optimization of EDM process on ZE41 Magnesium alloy with Copper, Brass and EN8 electrodes using AHP-TOPSIS method</p> <p><i>Uyala Shrinivas Balraj, Jannu Sunny, Chodavarapu Rajeev, Kota Pavan Krishna and Burugugadda Chanakya (Kakatiya Institute of Technology and Science, Warangal)</i></p>
2.45 pm to 3.30 pm	<p>INVITED TALK -1</p> <p>SEEING SPEECH USING NOVEL HIGH SPEED MAGNETIC RESONANCE IMAGING (MRI)</p> <p>Er. Pravin Swaminathan</p> <p>Head of Software Business and Product-IAP, Stellantis, India</p>

	Venue: Seminar Hall, Mechanical Department
3.30 pm to 3.45 pm	Tea Break
3:45 pm to 4.30 pm	<p style="text-align: center;">INVITED TALK- 2 LOW/NO CODE PLATFORMS: IMPACT ON MANUFACTURING AND ENGINEERING COMPANIES Er. Ramana Mallysetty CEO, DigiFyde, Florida, USA Venue: Seminar Hall, Mechanical Department</p>
4.30 pm to 5.30 pm	<p style="text-align: center;">TECHNICAL PAPER PRESENTATIONS-3</p> <p style="text-align: right;">Venue: E-classroom, MED Department</p> <p>Session Chairs: Prof.J.V.Subramanyam (<i>Osmania University, Hyderabad</i>), Prof.Ramesh Babu (<i>Osmania University, Hyderabad</i>)</p>
ICETE_MED_3647	<p>Investigation of the effect of tuned mass-damper system on the external vibrations endured by a vehicle <i>Syed Mohammed Yasin, Musaab Zaheeruddin, Syed Sufyaan Mukarram and Madhusudan Raju Ettaboina (Osmania University, Hyderabad)</i></p>
ICETE_MED_8211	<p>Additive Manufactured continuous fiber composites in tooling <i>Komati Raghunath Rao and Rasale Rohit Shivaji (Advanced Technology Group, Advanced Systems Laboratory, Hyderabad)</i></p>
ICETE_MED_4291	<p>Modal Analysis of Simply supported Aluminium Plate structure with and without Damping Layer <i>Rama Rao Thatigiri and Dr. Meera Saheb Koppanati (Jawaharlal Nehru Technological University, Kakinada)</i></p>
ICETE_MED_7358	<p>Design and Analysis of Wall-Climbing Robot <i>Nishant Vangala, Chittin Varunav, Jatoth Aravind, Syed Mohammed Yasin and Madhusudan Raju Ettaboina (Osmania University, Hyderabad)</i></p>
	<p style="text-align: center;">TECHNICAL PAPER PRESENTATIONS-4</p> <p style="text-align: right;">Venue: Seminar Hall, MED Department</p> <p>Session Chairs: Prof.M.C.S Reddy (<i>Osmania University, Hyderabad</i>), Prof.N.V.Srinivasulu (<i>CBITEC, Hyderabad</i>)</p>
ICETE_MED_8025	<p>Analysis of Delamination Studies in FRP Composites Using 3-D Finite Element Simulation <i>Rentala Mohan (Osmania University, Hyderabad), Dr.Mohd. Mohinoddin (Muffakhm Jah College of Engineering & Technology, Hyderabad) and Dr.Sriram Venkatesh (Osmania University, Hyderabad)</i></p>
ICETE_MED_6579	<p>Stress Analysis Of Adhesively Bonded Hybrid Tubular Lap Joints In Laminated FRP Composites <i>Kattula Susheela and P Ramesh Babu (Osmania University, Hyderabad)</i></p>
ICETE_MED_9948	<p>Embedded Based Automated Conveyor System for Food Processing <i>Bhanu Teja Prakash Parise, Dr.Rambabu Kalathiripi, Vamshi Pillutla and Mamatha Nallabelli (Jawaharlal Nehru Technological University, Hyderabad)</i></p>
ICETE_MED_5796	<p>Experimental study on the behaviour of different point angled drill bit on Functionalised nano tubes reinforced carbon/epoxy composites <i>Bhanu Murthy Soppari (Osmania University, Hyderabad), Dr Kishore Nath Nayani (Advanced Systems Laboratory,DRDO, Hyderabad), Dr.Ramesh Babu P (Osmania University, Hyderabad) and Hema Priya P (VNR Vignana Jyothi Institute of Engineering and Technology Hyderabad)</i></p>
DAY 2 - 29TH APRIL 2023	
8:30 am to 9:30 am	Registration at Main Building, UCE, OU
9.30 am to 10.15 am	<p style="text-align: center;">KEYNOTE ADDRESS – 2 THE FUTURE WITH GENERATIVE AI Er. Veena Gundavelli Founder & CEO,Emagia, USA</p>

	Venue: Assembly Hall, UCEOU
10.15 am to 11.00 am	<p style="text-align: center;">KEYNOTE ADDRESS – 3</p> <p style="text-align: center;">PRIVACY AND SECURITY ISSUES IN SPEECH PROCESSING</p> <p style="text-align: center;">Dr. Bhiksha Raj</p> <p style="text-align: center;">School of Computer Science, Carnegie Mellon University, Pittsburgh, Pennsylvania, USA & Mohamed bin Zayed University of Artificial Intelligence, Masdar City, Abu Dhabi</p> <p style="text-align: center;">Venue: Assembly Hall, UCEOU</p>
11.00 am to 11.30 am	Tea Break
11.30 am to 12.15 pm	<p style="text-align: center;">INVITED TALK 3</p> <p style="text-align: center;">DEVELOPMENT OF ADVANCED COMPOSITE PRODUCTS FOR AEROSPACE APPLICATIONS</p> <p style="text-align: center;">Dr. N. Kishore Nath</p> <p style="text-align: center;">Technology Director of Space Systems, Advanced Systems Laboratory, DRDO, Hyderabad.</p> <p style="text-align: center;">Venue: Seminar Hall, Mechanical Department</p>
12.15 pm to 1.00 pm	<p style="text-align: center;">TECHNICAL PAPER PRESENTATIONS- 5</p> <p style="text-align: right;">Venue: E-classroom, MED Department</p> <p>Session Chairs: Prof.A.Krishnaiah (<i>Osmania University, Hyderabad</i>), Prof.J.Kandasamy (<i>MVSR EC, Hyderabad</i>)</p>
ICETE_MED_6168	<p>Optimising cutting parameters for minimizing drilling induced delamination damage in CFRP composites</p> <p><i>Suresh Aadepu (Osmania University, Hyderabad), Dr Lachiram (DLRL, Hyderabad.) and Ramesh Babu P (Osmania University, Hyderabad)</i></p>
ICETE_MED_2395	<p>Enhancing Productivity Using Flow Process Charts And Value Stream Mapping</p> <p><i>Sruthi Shanker Pydimarry and Dr. B V S Rao (Chaitanya Bharathi Institute of Technology, Hyderabad)</i></p>
ICETE_MED_4388	<p>Optimization of processing parameters and mechanical properties of SLM Titanium alloy</p> <p><i>Jammula Praneeth, Sriram Venkatesh and Sivarama Krishna Ledella (Osmania University, Hyderabad)</i></p>
1:00 pm to 2:00 pm	Lunch Break
2.00 pm to 2.45 pm	<p style="text-align: center;">TECHNICAL PAPER PRESENTATIONS -6</p> <p style="text-align: right;">Venue: E-classroom, MED Department</p> <p>Session Chairs: Prof.L.Siva Rama Krishna (<i>Osmania University, Hyderabad</i>), Dr.Qutubuddin (<i>Gulbarga University, Karnataka</i>)</p>
ICETE_MED_7323	<p>Pulsed CMT process improves mechanical properties of Al 6061-T6 and SS 304 lap joints for automotive</p> <p><i>Md Anwar and Rega Rajendra (Osmania University, Hyderabad)</i></p>
ICETE_MED_6203	<p>Optimization of process parameters on forming force for Incremental forming of SS316</p> <p><i>A Chandrakanth (Chaitanya Bharathi Institute of Technology, Hyderabad) and A Krishnaiah (Osmania University, Hyderabad)</i></p>
ICETE_MED_1800	<p>Optimizing Efficiency and Safety in Industry: The Power of Industrial Engineering Techniques for Waste Identification and Productivity Improvement</p> <p><i>Atharwa Kharkar, Varsha Karandikar, Himanshu Kurzekar, Arnav Hardas, Nilay Diwan, Ameya Panshikar and Gajanan Gambhire (Vishwakarma Institute Of Technology, Pune)</i></p>
2.45 pm to 3.30 pm	<p style="text-align: center;">INVITED TALK 4</p> <p style="text-align: center;">PRECISION ENGINEERING AND PRODUCT DEVELOPMENT</p> <p style="text-align: center;">Dr. S. Karunanidhi</p> <p style="text-align: center;">Outstanding Scientist and Associate Director, Research Centre Imarat (RCI), DRDO, Hyderabad, India</p> <p style="text-align: center;">Venue: Seminar Hall, Mechanical Department</p>
3.30 pm to 3.45 pm	Tea Break
	TECHNICAL PAPER PRESENTATIONS - 7

3.45 pm to 5.30 pm

Venue: E-classroom, MED Department

Session Chairs: Prof.B.Hadya (*Osmania University, Hyderabad*)

Prof.N.Sanke (*Osmania University, Hyderabad*)

ICETE_MED_4605	Numerical analysis of external mounted carriage lugs on Aerodynamic performance of air launched glide vehicles <i>Jayaprakash K, Kandasamy S, Deb Kumar Ghosh and Keerthi Sree B (Defence Research & Development Organization, Hyderabad)</i>
ICETE_MED_1994	Study of Entropy Generation in Secondary Flows in the T106A Low Pressure Axial Turbine Cascade <i>Uma Maheshwar Vanamala (Osmania University, Hyderabad) and Aditya Shiva Appalla (Mechademy Engineereing Solutions, New Delhi)</i>
ICETE_MED_6703	Design and Thermodynamic Analysis of Single Loop Thermosyphon <i>Sai Sandeep Kolanu and Narendar Gajula (Osmania University, Hyderabad)</i>
ICETE_MED_6051	Numerical Analysis of Supercritical Fluids in 2D Chamber <i>Rathan Babu Athota, Sai Puravardhan Korani, Polaiah Bojja, Surya Hevanth Nimmala and Prem Kumar Bet (Institute of Aeronautical Engineering, Hyderabad)</i>
ICETE_MED_8670	Thermoelectric cooler failure prevention caused due to CTE mismatch by FEA based solder layer material selection <i>Akshat Sankhere (Continental Autonomous Mobility India Pvt. Ltd, Bangalore.), David Faller (Automotive Distance Control Systems GmbH, Germany) and Kishore Palaparathi (Continental Autonomous Mobility India Pvt. Ltd, Bangalore)</i>
ICETE_MED_5592	Aerodynamic Design and Numerical Analysis of S-Duct Intake <i>Jayaprakash K, Kandasamy S, Deb Kumar Ghosh and Girish Varma (Defence Research & Development Organization, Hyderabad)</i>

DAY 3 - 30TH APRIL 2023

8:30 am to 9:30 am	Registration at Main Building, UCE, OU
9.30 am to 10.15 am	KEYNOTE ADDRESS – 4 LEVERAGING IOT TO ENHANCE WATER USE EFFICIENCY IN AGRICULTURE Dr Srinivasulu Ale Texas A&M University AgriLife Research Center, Vernon, USA Venue: Assembly Hall, UCEOU
10.15 am to 11.00 am	KEYNOTE ADDRESS – 5 CUSTOM MEDICAL DEVICE DESIGN IN HEALTH CARE & MEDICINE Prof. Dominic Eggbeer Prof. of Healthcare Applications of Design Cardiff Metropolitan University, Cardiff, UK Venue: Assembly Hall, UCEOU
10.15 am to 11.00 am	Tea Break
1:00 pm to 2:00 pm	Lunch Break