

Schedule of ICTACEM-2025, 15-17 Dec, 2025 at IIT Kharagpur

Vikramshila Foyer				
	8:00	Registration		
	8:00	BREAKFAST		
Venue	Kalidas Auditorium			
15 December	Inauguration Of The Conference -- ICTACEM 2025			
	9:00	Welcome Address By Convenor		
	9:05	Address By Director, IIT Kharagpur		
	9:20	Address By Chief Guest : Prof. Joseph Mathew		
	9:35	Inaugural Talk : Turbulent Jets Prof. Joseph Mathew, Department of Aerospace Engineering, Indian Institute of Science Session Chair: Prof. Kalyan Prasad Sinhamahapatra		
	10:20	Inaugural Talk : Digital Technologies in Aerospace Dr. Kallappa Pattada, Executive Director — Boeing Technology & Innovation and Chief Engineer — Boeing Defense India Session Chair: Prof. Kalyan Prasad Sinhamahapatra		
	11:05	Tea Break		
Venue	Gargi Auditorium (A1)	Maitrayee Auditorium (S1)	Kalidas Auditorium (C1)	
15 December	Session	Aerodynamics and Fluid Mechanics	Solid Mechanics and Dynamics	Flight Mechanics, Control and Navigation
	11:30	Session Chair Prof. Somnath Ghosh		
	11:45	Session Chair Prof. D K Maiti		
	12:00	Session Chair Prof. Alok Kanti Deb		
	12:15			
	12:30			
	12:45			
	13:00	LUNCH BREAK		
				1:00

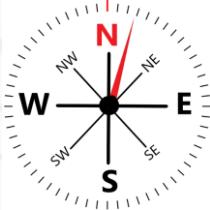
Kalidas Auditorium				
15 December	14:00	Plenary Session -1: Vertical takeoff of aircrafts: Some new possibilities Prof. P. A. Ramakrishna, Department of Aerospace Engineering, IIT Madras Session Chair: Prof. Amardip Ghosh		
	14:45	Plenary Session -2 : Wave Technologies in SHM of Built Facilities - Theory, Experiments and Practice Prof. Abhijit Mukherjee, School of Civil and Mechanical Engineering, Curtin University, Australia Session Chair: Prof. P K Datta		
Venue	Gargi Auditorium (P1)		Maitrayee Auditorium (S2)	Kalidas Auditorium (S3)
Session	Propulsion		Solid Mechanics and Dynamics	Solid Mechanics and Dynamics
	Session Chair Prof. Srinibas Karmakar		Session Chair Prof. Vikranth Racherla	Session Chair: Prof. Kiran Vijayan
15 December	15:30	Bluff Body Induced Regression Rate Enhancement in Hybrid Motor : ICTACEM2025P797	The assessment to study the free vibration of edge cracked bi-directional SFGM plate with modified inverse hyperbolic shear deformation theory (m-IHHS DT): ICTACEM2025P284	Axially-Loaded Column under Earthquake Loading : ICTACEM2025P664 0:15
	15:45	Ankush Vilas Khnadare ; Aditya Sanjay Patil ; Jogi Binit Patel ; Sachin Chandrakant Sonage ; Nagendra Kumar ; Narendra Deore	Rahul Sudam Kamble; Achchhe Lal; Bhrigu Nath Singh	Mahendra Gattu
15 December	16:00	Correlation of Tulip Flame Formation and CH Chemiluminescence Bursts in Confined Propane-Air Combustion : ICTACEM2025P329	ANN-based prediction of the deflection and free vibration characteristics of functionally graded plates for various boundary conditions: ICTACEM2025P996	Comparative Ballistic Impact Simulation of NiTi SMA-Reinforced and Conventional GFRP Composites : ICTACEM2025P571 0:15
	16:15	Abhishek kumar : Ratan Joarder	Dabeer Anwer Danish; Sukanta Chakraborty	Sibaram Patro ; Prof. Chandra Sekher Yerramalli ; Prof. Krishnendu Haldar
Tea Break				
Venue	Gargi Auditorium (A2)		Maitrayee Auditorium (S4)	Kalidas Auditorium (C2)
Session	Aerodynamics and Fluid Mechanics		Solid Mechanics and Dynamics	Flight Mechanics, Control and Navigation
	Session Chair Prof. Chandan Bose		Session Chair: Dr. Ganesh Soni	Session Chair Prof. Suman Maiti
15 December	16:30	Direct Simulation Monte Carlo Study of Thruster Plume Impingement on Planetary Surface : ICTACEM2025P067	Comparative bending response of imperfect variable-angle tow and straight fiber laminates with integrated PZT layers: ICTACEM2025P016	Mobile Anti-Drone System: A SDR Approach for Defensive Disruption of UAVs : ICTACEM2025P630 0:15
	16:45	Malakkannan G ; Suman Chakraborty	Ansh Kapoor; Vanshika Anand; Narayan Sharma; Pawan Kumar; Rakesha Chandra Dash	Ajit Kumar ; Namra Patel ; Jagat Rath
15 December	17:00	Effect of Flight velocity on Mean Flow of an Ideally Expanded Supersonic Jet – a CFD study : ICTACEM2025P990	Deflection Characteristics of Piezoelectric Composite Plates under UDL and SSL Using Refined Second Shear Deformation Theory: ICTACEM2025P690	Model-Less Feedback Control of Space-based Continuum Manipulators using Backbone Tension Optimization : ICTACEM2025P254 0:15
	17:15	Sanjoy Kumar Saha ; Manoj T Nair	Raju Sidhu Pawar; Achchhe Lal	Shreya Rajneesh ; Nikita Pavle ; Rakesh Sahoo ; Manoranjan Sinha
15 December	17:30	On the Dynamic Mode Decomposition of Supersonic Cavity Flow : ICTACEM2025P439	Deformation Behavior of Soft Electroelastic Membranes Subjected to Large Electric Fields: ICTACEM2025P886	Wind-Aware Dubins-Inspired L1 Guidance for Faster Convergence with Bounded Continuous Curvature and Sliding Mode Tracking for UAVs : ICTACEM2025P678 0:15
	17:45	Saty Prakash ; Ram Kumar Yadav ; Avijit Chatterjee ; Aniruddha Sinha	Yadwinder Singh Joshan; Sushma Santapuri; Debasish Khan	Pradyumn Mahajan ; Sayantan Pal ; Sikha Hota
15 December	17:45	Effect of Pivot Point Location on the Propulsive Performance of Rear Airfoil in Tandem Configuration : ICTACEM2025P440	Design and Development of a Hybrid Model for Impact Analysis on Underwater Vehicles: ICTACEM2025P600	Obstacle Avoidance of UAV in Dynamic Environments Using Direction and Velocity-Adaptive Artificial Potential Field : ICTACEM2025P943 0:15
	17:45	Adeetya Uppal ; Rahul Ranjan ; Sunil Manohar Dash	Pankaj Meena; Rajiv Sharma	Nikita Vaibhav Pavle ; Shreya Rajneesh ; Rakesh Kumar Sahoo ; Manoranjan Sinha
15 December	17:45	Effect of ply-orientation angle on flutter behaviour of laminated composite plates : ICTACEM2025P264	Reliability analysis of uncertain vibration response in bidirectional sandwich structures using a direct probability integral approach : ICTACEM2025P735	Parameter Estimation of BLDC Motor Using Nonlinear Least Square Method : ICTACEM2025P974 0:15
	17:45	Shashank K S ; Subrata Barman ; Rajeev Nayan Gupta ; Saikat Ranjan Maiti ; Dipak Kumar Maiti ; Sudip Dey	Narayan Sharma ; Pawan Kumar ; Prateek Chandrakar ; Dipak Kumar Maiti	Rajib Mandi ; N.K. Peyada
Tea Break				
Panel Discussion on : Opportunities and Challenges of AI implementation in Aerospace				
18:00				

	Venue	Vikramshila Foyer			
	8:00	BREAKFAST			
	Venue	Kalidas Auditorium			
16 December	9:00	Plenary Session -3: SPC-I and DPSM – two new developments in the field of NDE and SHM Prof. Tribikram Kundu, Department of Civil and Architectural Engineering and Mechanics, University of Arizona, USA Session Chair: Prof. Arghya Deb			0:45
	9:45	Hijli Detention camp to IIT-An Untold Saga			0:45
	Venue	Gargi Auditorium (A3)	Maitrayee Auditorium (S5)	Kalidas Auditorium (C3)	
	Session	Aerodynamics and Fluid Mechanics	Solid Mechanics and Dynamics	Flight Mechanics, Control and Navigation	
		Session Chair Prof. S M Dash	Session Chair Prof. Vikrant Racherla	Session Chair Prof. Sourav Patra	
16 December	10:30	Empirical expression to predict the first-mode resonant frequency of a pitching flexible panel : ICTACEM2025P467	Effect of Localized Elastic Supports Representing Ribs and Mounts on the Flutter Behavior of Tailored Composite Panels: ICTACEM2025P427	Real-Time Obstacle Avoidance for Waypoint Following of UAVs : ICTACEM2025P146	0:15
		Abhinav Kumar KSN ; Parag Deshpande ; Ravi Dodamani	Abdul Sadiq; Aayush Gupta; Dipak Kumar Maiti	Heavenly Dadala ; Sayantan Pal ; Sikha Hota	
	10:45	Estimation of Flight Measured Pressure using CFD for a Typical Launch Vehicle : ICTACEM2025P287	Effects of random orientation of bluff body on the onset speed of galloping-based piezoelectric energy harvester: ICTACEM2025P101	Real-Time Tiny Object Detection and Tracking for High-Altitude UAVs Using Customized YOLO Architectures : ICTACEM2025P536	0:15
		Sreenivasulu Juluri ; Sanjoy Kumar Saha ; Vidya G	Rakesha Chandra Dash	Vishnubhatla Aditya Shankar ; Devshree Kumar	
	11:00	Feature-Alignment Model Order Reduction (FAMOR) for Nonlinear Convective and Shock-Dominated Flows : ICTACEM2025P358	Evaluation of anisotropy via non-destructive indentation in LPBF processed Co-Cr-Mo alloy: The role of scanning strategy: ICTACEM2025P892	Moving Target Interception using Variable L1 guidance : ICTACEM2025P519	0:15
		Aritro Ghosh ; Aniruddha Sinha ;Sanjay R.	Vinod Kumar Jat; R. U. Patil	Machavolu Venkata Sushanth ; Sayantan Pal ; Sikha Hota	
	11:15	Tea Break			0:15
	Venue	Gargi Auditorium (A4)	Maitrayee Auditorium (S6)	Kalidas Auditorium (B1)	
	Session	Aerodynamics and Fluid Mechanics	Solid Mechanics and Dynamics	Bio-Inspired FSI	
		Session Chair Prof. K P Sinhamahapatra	Session Chair Prof. P K Datta	Session Chair: Prof. Sandeep Saha	
16 December	11:30	Harnessing wind energy within the conduit-style tall building through the use of wind turbines : ICTACEM2025P104	AI in Finite Element Analysis	Analysis of Temporal Oscillations of a Deflected Wake in a Plunging Foil Using Proper Orthogonal Decomposition : ICTACEM2025P007	0:15
		Amlan Kumar Bairagi	Ganesh Soni	Mohamed Aniffa S : Sunetra Sarkar	
	11:45	Impact of Preheated Central Jet on Intermixing of Confined Multi-Annular Swirling Jets : ICTACEM2025P035		Flow-Induced Vibrations of a Circular Cylinder and an Upstream D-Cylinder of various Elliptical Ratios : ICTACEM2025P036	0:15
		Ritesh Srivastava ; Vivek Kumar Patel		Sachin S B ; Atul Sharma	
	12:00	Integrating CFD, Experiments, and Bayesian Inference for Aerodynamic Analysis of Serrated Delta Wings : ICTACEM2025P832	Experimental Analysis of the Magneto-Viscous Responses of Magneto-Active Polymers: ICTACEM2025P419	Response Dynamics of Bio-Inspired Morphing Aerofoils : ICTACEM2025P505	0:15
		Sarat Kumar Maharanra ; Anand M Raikar ; N. Chikkanna	Rahul Kumar Saini	Chandan Bose ; Hibah Saddal ; Lucky Jayswal	
	12:15	Model Order Reduction for Cerebrovascular Hemodynamics: A POD-Galerkin and Hybrid Physics-Informed Approach : ICTACEM2025P717	Experimental Fabrication and Characterization of E-Glass/Epoxy Composites Using Vacuum-Assisted Resin Infusion: ICTACEM2025P609	Scaling laws for thrust generated from pitching foils : ICTACEM2025P492	0:15
		Rahul Halder ; Arash Hajisarifi ; Kabir Bakhshaei ; Gianluigi Rozza	UMAKANTA MEHER; MOHAMMED RABIUS SUNNY; Praveen Shakya; Iqbal Ahmed	Mahesh K Sawardekar ; Ratnesh K Shukla	
16 December	12:30	Numerical Analysis of Shockwave Boundary Layer Interaction : ICTACEM2025P616	Experimental Static and Fatigue Damage Assessment of Adhesively Bonded CFRP Joints Under Mode II Loading Using AE Technique: ICTACEM2025P138	Wake Modifications arising from a Bio-inspired Flexible Filament placed on NACA0012 Airfoil : ICTACEM2025P643	0:15
		Prahlad V Deshpande ; Suraj J Warang ; Dhruv Bagora ; Pardeep Duneria	Bandaru Bangaraju; Sai Sidhardh; M Ramji	Thangavel Sudeep ; Sachin Yashavant Shinde	
	12:45	Numerical Investigation of a Novel Aerospike–Aero disk–Bleed Channel Configuration for Drag and Thermal Load Reduction in Hypersonic Vehicles : ICTACEM2025P518	FE Modeling of Single Foam-filled Reentrant Unit Cell to Evaluate Deformation Mechanics and Energy Absorption: ICTACEM2025P165	Wave Propagation Mechanisms for Enhanced Jet Impulse in Squid-Inspired Flexible Nozzles : ICTACEM2025P096	0:15
		Sanjay Satish ; Vijay Suresh ; Aswathy K. S. ; A. Abhijith ; Antony J. K. ; Manoj Kumar M.	Viswasarathi N M; Bibhu Prasad Mahapatra; Prasun Jana	Paras Singh ; Daehyun Choi ; Halley Wallace ; Gourav Samal ; Saad Bhamla	
	13:00	LUNCH BREAK			1:00

Kalidas Auditorium				
Venue				
16 December	14:00	Plenary Session -4: Role of Real Fluid Behaviour & Multi-Physics Optimisation in Sustainable Energy System Prof. Jayanta Kapat, Department of Mechanical & Aerospace Engineering, University of Central Florida, USA Session Chair: Prof. C S Mistry		
	14:45	Plenary Session -5: Designing Heavy Payload Unmanned Aerial Systems: The Helicopter Way Prof. Abhishek, Department of Aerospace Engineering, IIT Kanpur Session Chair: Prof. Sikha Hota		
Venue		Gargi Auditorium (A5)	Maitrayee Auditorium (S7)	
Session		Aerodynamics and Fluid Mechanics	Solid Mechanics and Dynamics	
		Session Chair: Prof. Akshay Prakash	Session Chair: Prof. M R Sunny	
16 December	15:30	Numerical Investigation of an Archimedean Spiral Wind Turbine Using Dynamic Mesh CFD in ANSYS Fluent : ICTACEM2025P217	Finite Element Simulation of Magnetocaloric Effect in Gadolinium: ICTACEM2025P187	
		Shivendaraj Godbole ; Krishnendu Haldar	Busi Swathi priya	
	15:45	NUMERICAL INVESTIGATION OF LOW-FREQUENCY OSCILLATIONS IN SEPARATED SHEAR FLOWS ; ICTACEM2025P194	Flexural and ILSS Performance of GFRP Composites under Extreme Temperature Conditions: ICTACEM2025P970	
		Digpriya; Rajesh Ranjan ; Pradeep Moise	Supal Tudu; Velmurugan Ramachandran	
	16:00	Tea Break		
Venue		Gargi Auditorium (A6)	Maitrayee Auditorium (S8)	Lecture Hall V1 (S9)
Session		Aerodynamics and Fluid Mechanics	Solid Mechanics and Dynamics	Solid Mechanics and Dynamics
		Session Chair: Dr. Parag Deshpande	Session Chair: Prof. P K Datta	Session Chair: Prof. Korak Sarkar
16 December	16:15	Numerical Investigation on the Effect of Acoustic Cavity Geometry, Angle of Attack, and Injectant Molecular Weight for Drag and Heat Flux Reduction over a Blunt Body : ICTACEM2025P074	Free Vibration Analysis of Cranked Sandwich Plates with CSCL Facesheets and Honeycomb Core Comparison: ICTACEM2025P654	Machine Learning based approach to predict the life of damaged wind turbine blade : ICTACEM2025P622
		Sanjay Satish ; Arun B. S. ; Ashik Muhammad ; Manoj Kumar M. ; Antony J. K.	Gajavada Sanjeevkumar; Pritam Mondal; Jayant Prakash Varun; Prashanta kr Mahato	Praveen Shakya ; Umakanth Meher : Sachin Kumar ; Danial Arias ; Abdennour C. Seibi ; Mohammad A. S. Masoum
	16:30	Numerical Prediction of Interaction Between Two Flying Robotic Butterflies : ICTACEM2025P288	Investigation of Delamination Progression in Unidirectional Composite Laminates: ICTACEM2025P309	Magneto-Stiffening Effects on Beam Vibrations Supported by Winkler Foundation : ICTACEM2025P296
		Aman Shukla ; Debajyoti Kumar ; Chandan Bose; Somnath Roy	Subhabrata Koley	Lakshita Patil
	16:45	Numerical Study on Drag Reduction of Various Bluff-body Geometries using the Passive Rotation of a NACA0012 Aerofoil : ICTACEM2025P055	Investigation of Flexural Behavior of Functionally Graded Plates through Higher-Order Shear Formulation: ICTACEM2025P045	Micromechanical Homogenization and Electromagnetic Characterization of Radar Absorbing Materials using Multiphysics Simulation : ICTACEM2025P595
		Bibhas Chand ; Prabir Sikdar ; M S Harihara Sudhan ; Sunil Manohar Dash	Smruti Ranjan sahoo; Surendra Verma; Bhrigu Nath Singh	Omkar Bilawar ; Krishnendu Haldar
	17:00	Effect of Mach number on a Compressible Impinging Round Jet: An LES study : ICTACEM2025P072	Investigation of transonic buffet loads on aeroelastic launch vehicle model using coupled CSD-CFD approach: ICTACEM2025P273	Microstretch Continuum Theory Modeling for Nematic Liquid Crystalline Elastomers: Interplay Between Non-Affinity and Director Stretch : ICTACEM2025P192
		Priyakshi Goswami ; Somnath Ghosh	Amit Kumar Onkar; Mutturaj H Medar; Arun Kumar A; Rahul B Choudhary; Shivaprasad M V; Raja S	Aishwarya Kasarla ; Prof. Krishnendu Haldar
	17:15	Predictive Multiphysics Simulation of Fluid-Structure Interaction in Deformable Microchannels for Biomedical Applications : ICTACEM2025P232	Large deformation analysis of magneto-active polymer membranes under varying mechanical loads: ICTACEM2025P064	Semi-analytical estimates for three phase elastomeric self-healing composite systems : ICTACEM2025P815
		Satyabrata Podder ; Tapan Sarkar ; Amit Dhar ; Animesh Das ; Shantanu Dutta	Anuttar Jain; Krishnendu Haldar	Jayram Desai ; Vikrant Racherla
	17:30	Tea Break		
	18:00	Cultural Evening at Kalidas Auditorium followed by Conference Dinner at Vikramshila Foyer		

17 December	Venue	Department of Aerospace Engineering		
	8:00	BREAKFAST		
	Venue	Seminar Room of Aerospace Engineering Annex Building		
	9:00	Plenary Session -6: Modelling and Simulation of Multiphase Flows: A Personal Perspective Prof. J C Mandal, Department of Aerospace Engineering, IIT Bombay Session Chair: Prof. Somnath Ghosh		0:45
	Venue	Seminar Room of Aero Annex Building (A7)	Meeting Room Aero Annex Building (S10)	Seminar Room Aero Old Building (S11)
	Session	Aerodynamics and Fluid Mechanics	Solid Mechanics and Dynamics	Solid Mechanics and Dynamics
		Session Chair: Prof. Ranadev Datta	Session Chair: Prof. Amit Shaw	Session Chair: Prof. Mainak Chakraborty
	9:45	Prediction of Store Trajectory Using Domain-Decomposed Reduced-Order Modelling : ICTACEM2025P722	Parametric study of friction characteristics of IRS rail steel using ball-on-disk experiments: ICTACEM2025P726	Dynamic Response of Variable Fibre Spacing Composites Under Porous Hemispherical Nosed Impactor: ICTACEM2025P969
		Navdeep Pandey ; aysinh Jagdishchandra Patel ; Aniruddha Sinha	Shreedhar Sahoo; D S Kushan; Mayank Kumar; Vikranth Racherla	Aayush gupta; Abdul Sadiq; Dipak Kumar Maiti
	10:00	On the evolution of Lamb vector in pulsating transonic jet flows : ICTACEM2025P040	Random Eigenvalue Characterization for Free-Vibration of Centrifugally Loaded Euler-Bernoulli Beams: ICTACEM2025P599	Role of Particle Shape in Fabric Evolution during Compressive Creep Failure of Concrete : ICTACEM2025P303
17 December	10:15	Subhro Halder ; Debayan Das ; Ribhu Pal ; Satvik Jaiswal ; Arnab Roy	Jammu Sarath; Ravi Prakash Prajapati; Korak Sarkar	Subham Mukherjee ; Kumar Anjneya ; Arghya Deb
		Shock-Tandem Bubble Interaction: The Effect of Inter-Bubble Gap on the Bubble Flow Dynamics : ICTACEM2025P549	RBFN-based reliability analysis of thermally loaded variable fiber spacing composite plates with damage: ICTACEM2025P184	Morphological Effects of Friction Modifiers for Railway Applications: Binder vs Solid Lubricant : ICTACEM2025P568
		Nithin Krishnan S ; Ribhu Pal ; Arnab Roy ; Parthasarathi Ghosh	Prateek Chandrakar; Narayan Sharma; Dipak Kumar Maiti	Kushan D S ; G S P J Ronith ; Shreedhar Sahoo ; Mayank Kumar ; Vikranth Racherla
	10:30	Some Acoustic Measurements on a Thrust-Vectoring Biconical Jet : ICTACEM2025P504	Simulation of Voltage Generation in Thermophovoltaic (TPV) Cells Using FE Analysis: ICTACEM2025P992	Thermo-elastic vibration characteristics of graphene-reinforced composite stiffened spherical panels : ICTACEM2025P751
		Saiphanendra Karuchola ; Deeksha Yadav ; Revathy R K ; Arun Kumar Perumal Ashoke De	Samantha Martis; Krishnendu Haldar	Pabitra Maji ; Poonam Kumari ; Bhrigu Nath Singh
	10:45	Stability characteristics of ORV at Transonic and Supersonic Mach number : ICTACEM2025P161	Strength and Environmental Durability of Epoxy/Graphene Oxide Composites: An AI-Driven Framework for UAV Applications: ICTACEM2025P166	Thermo-Mechanical Analysis of thermally Autofrettaged Functionally Graded Disk : ICTACEM2025P949
		Nalin Singh Sirohi ; M Jathaveda ; Dileep K N ; G Vidy	Santosh Maharana; SK Maharana; R. Vijayakumar	Mohit Rajput ; M. Kamal ; R.U. Patil
	11:00	Thrust Vectoring of an Actively Controlled Supersonic Jet : ICTACEM2025P312	Study of lamb wave propagation for sandwich plates of fiber-reinforced functionally graded transverse isotropic material with an adhesive modelled as linear elastic material with voids using frobenious method: ICTACEM2025P694	Transonic flutter prediction of delta wings using coupled CSD-CFD approach : ICTACEM2025P760
		Mayank Kumar ; Saiphanendra Karuchola ; Arun Kumar Perumal ; Ashoke De	Rokkam Saketh; Tatipaka Anand	Arun Kumar A ; Amit K Onkar ; Rahul B Choudhary ; Arun K ; Raja S
	11:15	Tea Break		
17 December	Venue	Seminar Room of Aero Annex Building (A8)	Meeting Room Aero Annex Building (S12)	Seminar Room Aero Old Building (S13)
	Session	Aerodynamics and Fluid Mechanics	Solid Mechanics and Dynamics	Solid Mechanics and Dynamics
		Session Chair: Prof. Mrinal Kaushik	Session Chair: Prof. Prasun Jana	Session Chair: Prof. M R Sunny
	11:30	Venting analysis of a Typical Launch Vehicle Inter Stage Structure near to strapon nose cone : ICTACEM2025P605	Temperature-Driven Deformation Mechanisms in CNT- and Graphene-Reinforced Al _x CoCrFeNi High-Entropy Alloys: A Molecular Dynamics Approach: ICTACEM2025P827	Vibration-Based Energy Harvesting Using Mass-in-Mass Metamaterial with Piezoelectric Coupling : ICTACEM2025P307
		Darshit Gajera ; Sanjoy Kumar Saha	Subrata Barman; Sudip Dey	Subrata Barman ; Pushpa Pandey ; Hamed Haddad Khodaparast ; Tanmoy Mukhopadhyay ; Hadi Madinei ; Michael Friswell
	11:45	Computational Investigation of Aerodisk Geometries in a Spiked Blunt Body for Hypersonic Heat Reduction : ICTACEM2025P875	Analytical Modelling of Electro-Mechanical Impedance (EMI) in Adhesively Bonded Beams for Multi-Damage Detection: ICTACEM2025P019	XFEM based Free vibration analysis of thin Circular plates using 2DOF on Multiple crack characteristics : ICTACEM2025P653
		Sanjay Satish ; Satheeshkumar S. ; Nivin Francis	Umakanta Meher; Mohammed Rabius Sunny	Babasaheb Kisan Varpe ; Achchhe Lal
	12:00	Validating Combined Vector Field Approach With Full Quadrotor Dynamics ; ICTACEM2025P514	Tailoring Flow-Induced Vibrations of Flexible Plates via Perforation: ICTACEM2025P108	Aerodynamic Performance of a Multi-Element Flapping Foil Inspired from the Feathered Wings of Birds : ICTACEM2025P761
		Dheeraj ; Sikha Hota	Shubham Giri; V. Kartik; Amit Agrawal; Rajneesh Bhardwaj	Avinash Kumar Pandey ; Rajneesh Bhardwaj ; Rajat Mittal
	12:15	Poster Presentation Sessions Will Take Place at the End of Oral Presentations.		
Venue	Seminar Room of Aerospace Engineering Annex Building			
	12:30	Valedictory Session of ICTACEM 2025		
	13:00	LUNCH BREAK		

ICTACEM-2025



A BRH Hall
B Zakhir H. hall

Tech. Guest House
(TGH)

Towards Venue

IIT Kharagpur Main gate

Day 1,2 Venue
Vikramshila Complex

Day 3 Venue
Aerospace Dept.

Route Map

ICTACEM-2025

BUS PICK UP TIMINGS

ICTACEM Venue	BRH hall (A)	Zakhir H. Hall (B)	Technology Guest House (C)
7:35	07:45	07:50	07:55
8:20	08:30	08:35	08:40
10:40	10:50	10:55	11:00
12:35	12:45	12:50	12:55
15:35	15:45	15:50	15:55
17:05	17:15	17:20	17:25
19:00	19:15	19:20	19:25

15
DEC

ICTACEM-2025

BUS PICK UP TIMINGS

ICTACEM Venue	BRH hall (A)	Zakhir H. Hall (B)	Technology Guest House (C)
7:35	07:45	07:50	07:55
8:20	08:30	08:35	08:40
10:50	11:00	11:05	11:10
12:35	12:45	12:50	12:55
15:35	15:45	15:50	15:55
17:05	17:15	17:20	17:25
21:30	21:35	21:40	21:45
22:00	22:10	22:15	22:20

16

DEC

ICTACEM-2025

BUS PICK UP TIMINGS

ICTACEM Venue	BRH hall (A)	Zakhir H. Hall (B)	Technology Guest House (C)
7:35	07:45	07:50	07:55
8:20	08:30	08:35	08:40
10:50	11:00	11:05	11:10
12:35	12:45	12:50	12:55
14:30	14:35	14:40	14:45

17

DEC