

	Venue	SL1			Duration	
		Inauguration Of Joint Conference -- ICTACEM 2021, APCATS 2021, AJSAE 2021 and AeSI 2021				
20 December	8:40	Welcome Address By Chairman -- Prof. K. P. Sinhamahapatra			0:05	
	8:45	Opening Address By Secretary -- Prof. R. Joarder, Prof. Anup Ghosh			0:05	
	8:50	Address on behalf of APCATS & AJSAE -- Prof. C. D. Kong, Honorary Chair			0:10	
	9:00	Address by President AeSI -- Shri A.S. Kiran Kumar			0:05	
	9:05	Address By Chief Guest, Director, IIT Kharagpur -- Prof. V. K. Tewari			0:10	
	9:15	Address By Guest of Honour -- Prof. P. K. Dutta			0:10	
	9:25	Vote Of Thanks by Vice Chairman of Conference -- Prof. B. N. Singh			0:05	
	9:30	Plenary Session -1: Fundamental features of perturbation/fluctuation growth in high-speed compressible shear flows Prof. Sharath Girimaji, TAMU, USA			0:45	
Venue	SL1		SL3			
	10:15	Plenary Session -2: Spray-Swirl Interactions: Some Insights Prof. Saptarshi Basu, IISc Bengaluru, India		Plenary Session -3: Thermal control system design and test for APSCO SSS-1 satellite Prof.Shenyan Chen, Beihang University, Beijing, China	0:45	
Venue	SL1	SL2	SL3	SL4		
	11:00	Scaling law for core length in supersonic free jets Arun Kumar Perumal and Ethirajan Rathakrishnan	Dynamic Modelling of a Porous Functionally Graded Rotor-bearing System for Different Temperature Distributions Aneesh Batchu, Bharath Obalareddy and Prabhakar Sathujoda	Design and Numerical Study of Variable Geometry Scramjet Inlet for Mach 5 to Mach 7 Shivashree S	APSCO SSS-1 Communication System Design and Implementation Hao Tian, Jikai Wang and Hai Huang	0:15
	11:15	Parametric study of bio-inspired corrugated airfoil geometry in a forward flight at Reynolds number 80000 Yagya Dutta Dwivedi, N Lakshmi Narasimhan, Jayendra Rajanala and Kameswara Sridhar Vepa	Free Vibration Analysis of a Rotor-bearing System having Corrosion Defect Bharath Obalareddy, Aneesh Batchu and Prabhakar Sathujoda	Unsteady Simulation of Frontal Cavity in Supersonic Flows Jayraj Deshmukh, Dinesh Bajaj, Devabrata Sahoo and Ashish Vashishtha	Development of a Flight Simulator for Low-End Computers Amish Jindal, Manini Mittal, Gandharv Jaggi and Abha Gupta	0:15
	11:30	Break				0:15
	11:45	AERODYNAMIC STUDY ON AIRFOIL WITH U-SHAPE TUBERCLE GEOMETRY B Sudarshan, V Viswanath, S Mukund, J V Sujan and S Suhas	A numerical study of integrity of Z-pinned laminates Arun Kumar, Sourabh Borchate and C.S. Upadhyay	Study of effect of rotational rate of a cylinder on the volume fraction of vapor formed during nucleate boiling phenomenon of water Manjunath S V, Maharana Sarat Kumar and Abdul Sharief	Design and Analysis of Active Phased Array Antenna for 80 kg-Class Micro-Satellite SAR Chan Mi Song, Seung Joo Jo, Chang Hyun Lee, Myeong Jae Lee, Seung Hun Lee, Sung Chan Song and Hyun-Ung Oh	0:15
	12:00	An Improved Unsteady CFD analysis of combined pitching and plunging airfoil using OpenFoam P Srinivasa Murthy	Assessing post impact mechanical characteristics of glass fiber laminates by using beam coupons: A simplistic approach Manoj K. Singh and R. Kitey	LES of a Swirl-Stabilized Turbulent Kerosene Spray Flame in a Model Combustor Kaidi Wan, Yunzhe Huang, Zhenxun Gao, Yong He and Chongwen Jiang	Robust Navigation with NavIC Software Receiver using Vector Delay Lock Loops Ravindar Reddy Dadapur, Chittimalla Srinu and Laxminarayana Parayitam	0:15
	12:15	Numerical Simulation of flow over blunt body with Passive Control Technique M V Nitya, Vineeta Bhat, Sai Swaroop and Snehal U M	Performance Analysis of Circular and Lemon Bore Hydrodynamic Journal Bearing Considering Surface Roughness and Shear Thinning Effect Kuldeep Narwat, Vivek Kumar, Simran Jeet Singh, Abhishek Kumar and Satish C Sharma	Experimental and Numerical Simulation for Residence Time Distribution of Deactivation Tank Prince Kumar Jain, Samiran Sengupta, Vimal Kotak, Kajal Dhole, Nilesh Gohel and Sujay Bhattacharya	Linearized control of an axisymmetric spinning top to a regular precession trajectory Anirudh Chandramouli and Abhijit Sarkar	0:15
	12:30	Near - Wake Flow Structures of a Rectangular Wing at the Onset of Stall Aritras Roy and Rinku Mukherjee	Performance analysis of rough surface multi-recess porous hydro-static thrust bearing Pushpendra K Kushwaha, Vivek Kumar, Vinay Vakharia and Satish C. Sharma	Theoretical & experimental study on a miniature jet pump with low area ratio Vimal Kotak, Samiran Sengupta, Anil Pathrose, Sugilal Gopalkrishnan and Sujay Bhattacharya	Satellite topology and continuous size optimization based on Two-level multi-point approximation method Shuanjun Liu, Hai Huang, Shenyan Chen and Jiayi Fu	0:15
	12:45	Flow modifications & capacity augmentation due to streamwise deployment of longitudinal vortex generators in a finned tube bank Amit Arora	Al/epoxy adhesion strength by a modified butt joint test configuration Madhusudhanan U and Rajesh Kitey	Numerical Performance Studies of a Small Scale Horizontal Axis Wind Turbine Blade with Humpback Whale Tubercles Supreeth R, S K Maharana and Bhaskar K	Connectivity Preserving Multi-Spacecraft Formation Control for Trajectory Tracking with Obstacle Avoidance Zhongyuan Chen, Shitao Wang and Wanchun Chen	0:15
	13:00	LUNCH BREAK				1:00

Venue	SL1				
14:00	Plenary Session -4: Recent Status and Development of Korea Military Airworthiness System Prof. Changduk Kong, Chosun University, South Korea				0:45
Venue	SL1		SL3		
14:45	Plenary Session -5 : Avionics Architecture Solutions and Analysis for Helicopters Prof. Mahir Dursun, Gazi Universit, Turkey		Plenary Session -6: Shock-turbulence interaction: analysis and modelling for aerospace application Prof. Krishnendu Sinha, IIT Bombay, India		0:45
Venue	SL1	SL2	SL3	SL4	
15:30	Shock wave effects on Chitosan bio-polymer for drug delivery applications Pranav H A and B Sudarshan	Comparative study of dampers on a G+26 storey building subjected to lateral loading Ritik Saxena, Divyansh Tewari, Akshit Gupta and Dr M Abdul Akbar	Research on Thrust Measurement System Design and Intelligent Thrust Prediction Method Applied to Micro-electric Propulsion Haibo Wang, Guobiao Cai, Chencong Fu, Wei Liu and Weizong Wang	Optimization Design of Modified Stewart Platforms for Isotropic Force Output Zijian Liu, Weipeng Li, Hai Huang and Bin Ren	0:15
15:45	Effect of oblique shocks interaction on the inlet structure in a hypersonic flow Sanjay A V and B Sudarshan	Effect of graphene nanoplatelets on the thermomechanical behaviour of smart polymer nanocomposites Nilesh Tiwari and A. A. Shaikh	PIC/MCC Simulation of Axial Ring-Cusp Hybrid Discharge in the Micro Ion Thruster Ionization Chamber Wei Liu, Weizong Wang, Guobiao Cai, Shuwen Xue, Yifei Li, Haibo Wang and Guangqing Xia	Performance Analysis of Autonomous Flight Models Based on Reinforcement Learning for Military UAV Hyoju Nam, Haejin Kwon, Keunho Yun, Jia Kim and Kyutae Cho	0:15
16:00	Break				0:15
16:15	Experimental study on two octave Indian flute acoustics Praful K and Sudarshan B	Effects of internal length scale parameter on damage initiation and evolution using gradient enhanced damage mechanics theory Aditya Deshpande and Bhriku Nath Singh	Three-dimensional PIC-MCC Analysis of Ion Thruster Grid Misalignment Yifei Li, Weizong Wang, Guobiao Cai, Chencong Fu, Wei Liu and Guangqing Xia	Agile Turn Guidance Law based on Deep Reinforcement Learning Xiaopeng Gong, Yizhong Fang, Wanchun Chen and Zhongyuan Chen	0:15
16:30	Performance assessment of five probe flow analyser suitable for wind tunnel calibration Akhila Rupesh	Robust flutter analysis of a sweptback wing using μ method A Arun Kumar and Amit Kumar Onkar	Numerical investigation of discharge mechanism and plasma behavior in an external discharge plasma thruster Shuwen Xue, Yuanyuan Gao, Wei Liu, Yifei Li, Guobiao Cai and Weizong Wang	Capture Region of Realistic True Proportional Navigation Based on Closed-form Solutions Xiangxiang Li, Wanchun Chen, Zhongyuan Chen and Yizhong Fang	0:15
16:45	A Numerical Study on the Negative Lift and Point of Non-linearity in Lift Curve of NACA 0012 Airfoil at Low Reynolds Number Gangadhar Venkata Ramana Pinapatruni, Sunil Manohar Dash, Jit Sinha and Kalyan Prasad Sinhamahapatra	Numerical Study of Tilted Multi-Storied RCC Buildings on Shallow Foundations Considering Soil-Structure Interaction Devjit Acharjee, Sriyani Bandyopadhyay and Debasish Bandyopadhyay	Aerothermal Predictions of High-Pressure Turbine Flows Using RANS Methods Pranjal Anand and Rajesh Ranjan	Understanding the Strapon Separation Dynamics in atmospheric phase Ayush Raikwar, Vidya Gurumurthy and Devendra Ghate	0:15
17:00	Experimental Prediction of Wind Flow and Pressure Distributions Around a Low-Rise Building Venugopal Mm, S K Maharana and Mahantayya K Hiremath	A homogenized crystal plasticity model for lamellar transformed β colony of titanium alloys S. Mustafa Kazim, Kartik Prasad and Pritam Chakraborty	RANS modeling for short and long separation bubbles in flow past low-pressure turbine cascades Shruti Rajpara and Rajesh Ranjan	Study of Stability Parameters for Multi-Rotor Aircraft using CFD Analysis and Validation with Theoretical Calculations Manoj S Naik, Sumedha Y D, Anish G P Nand, Yeshas M N Bharadwaj and Promio Charles F	0:15
17:15	Three dimensional computational investigation of the geometric design of delta-type vortex generators deployed in finned tube arrays Amit Arora	Transient Low Velocity Impact Response of Functionally-Graded Rectangular Plates – A Finite Element Approach. Ritwik Mandal, Tanmoy Bandyopadhyay and Amit Karmakar	Mode Transition in Strut Based Parallel Fuel Injection in Scramjet Engine Rajesh Kumar, Pruthvi Name and Amardip Ghosh	A Review of Predictive Control for Autonomous Flight Systems Mahir Dursun	0:15
17:30					

21 December	Venue	SL1				
	9:00	Plenary Session -7: Numerical investigation of shock-turbulence interaction and shock-associated noise for supersonic jets Prof. Zhenxun Gao, Beihang University, Beijing, China				0:45
	Venue	SL1		SL3		
	9:45	Plenary Session -8: New opportunities and challenges for future UAVs Prof. Raktim Battacharya, TAMU, USA		Plenary Session -9: Computational Determination of Detonation Characteristics of Condensed Explosives Prof. A. Kushari, IIT Kanpur, India		0:45
	Venue	SL1	SL2	SL3	SL4	
	10:30	Experimental study of inflight icing conditions on coefficient of pressure distribution around NACA0012 aerofoil	Quadratic Wachspress Shape Functions for Polygonal Finite Element Method	Mixing characteristics of circular and elliptical twin jets	An aircraft wing structural layout and cross-sectional size optimization design	0:15
		Ms. Swetha S, Dr. Sarat Kumar Maharana, Dr. Abdul Sharief and Ms. Steffi Thangachan	Shalvi Singh and Pritam Chakraborty	Ch Narendra Kumar and K P Sinhamahapatra	Hai Huang and Jiayi Fu	
	10:45	An Improved Homotopy Perturbation Method to Study Damped Oscillators.	Effect of carbon black content on quasi-static compression behaviour of filled rubber	A study on Applicability in Super Cavitation with SLBM	Analysis and control of Aeroelastic performance of delaminated composite plate using AFC	0:15
		C F Sagar Zephania and Tapas Sil	Spandan Bandyopadhyaya, Rajesh Kitey and C.S. Upadhyay	Kyungwon Oh and Changduk Kong	Jayant Prakash Varun and Prashanta K. Mahato	
	11:00	Influence of tab blockage on asymmetric under- expanded sonic free jet	Induction Heating of Thermoplastic using Fe3O4	AEROACOUSTIC STUDY ON HVLS FAN BLADE WITH SERRATIONS	Finite element analysis of biaxial cuboid voided slab under one way bending load	0:15
		Lavala Srinivasa Rao, Partha Mondal and Sudip Das	Inseok Baek and Seoksoon Lee	Shashank H K, Rohith J and B Sudarshan	N Nareshnayak and B N Rao	
	11:15	Break				0:15
	11:30	Aerodynamics Analysis of Fighter Aircraft in Formation Flight	Drop Test of an Aircraft Landing Gear Equipped with MR Damper	Design of Propulsion System for Propeller-less UAV	Study on Multiscale Modelling Method for Investigation on Damage of Wind Turbine Composite Blade	0:15
		Jaemuk Kim and Cheolheui Han	Banghyun Jo, Jaihyuk Hwang and Daesung Jang	Rohith J, Shashank H K, Akshay S Prasad, Dheeraj R and B Sudarshan	Haseung Lee, Younggyu Lee, Changduk Kong and Hyunbum Park	
	11:45	Transverse-only VIV of a freely vibrating hybrid cylinder at low Reynolds number	Unsteady Aerodynamic Force Approximation for Flutter Prediction	DESIGN AND PERFORMANCE ANALYSIS OF AXIAL FLOW WIND TURBINE FOR HOUSEHOLD APPLICATIONS	Flutter Investigation of MW Sized Hybrid Composite Wind Turbine Blade	0:15
		Himalaya Sarkar, Pavan Kumar Yadav and Subhankar Sen	Promio Charles F and Vedavathi G A	Dr. Venkatesu Sadu, Dr. Pol Redy Kukutla, Dr. Syamsundar C and Dr. Sivaiah P	Praveen Shakya and Umakanta Meher	
	12:00	Aerodynamic Characterisation of a Re-entry Module in Supersonic Flow Regime	Parametric perturbation studies on the behaviour of bistable unsymmetrical laminates	ICETACM2021-EXPERIMENTAL STUDY OF FLOW BEHAVIOURS OF FLY ASH SLURRY WITH AND WITHOUT CHEMICAL ADDITIVES	Wake Dynamics of a Flexible Flapping Filament at Low Reynolds Number	0:15
		Devashish Bhalla, Vidya Gurumurthy and Manoj T. Nair	K. S. Suraj, P. M. Anilkumar, C. G. Krishnanunni and B. N. Rao	Priyanka Nimar, Kanwarpal Singh and Arvind Kumar	Chhote Lal Shah, Dipanjan Majumdar, Chandan Bose and Sunetra Sarkar	
	12:15	Insight into the mechanism of drag reduction for a spiked blunt body	Finite element modelling and Monte Carlo ray tracing for the solar parabolic trough collector with torque box	Mechanical and microstructural characterization of Incoloy 901 repair by DED for aerospace gas turbine engine parts	New Response Branch for Undamped 2-DOF VIV of a Diamond Oscillator	0:15
		Md Gulam Sarwar, Priyank Kumar and Sudip Das	Natraj H, B. Nageswara Rao and K. Srinivas Reddy	Jongkee Ahn, Dongyeop Lee, Bohee Kim, Chiwon Kim, Hyun-Uk Hong and Je-Hyun Lee	Kumar Sourav and Deepak Kumar	
	12:30	Turbulence model and grid Sensitivity analyses of T-shape tall building using Computational Fluid Dynamics technique	Prediction of Mechanical Properties for 3-D woven composite considering realistic features	Numerical Study on Transient Transverse Jet Effect of the Two-Dimensional Slot Under Supersonic Conditions	FOV-constrained 3D impact angle and impact time control guidance	0:15
		Ajay Pratap and Neelam Rani	Hiyeop Kim, Pyunghwa Kim, Yongun Jun and Jungsun Park	Song Xue, Tianyixing Han and Chongwen Jiang	Peng Wang, Wanchun Chen and Zhongyuan Chen	
	12:45	Numerical study of a square plan shape building with corner modification	Vibroacoustic analysis of simply supported and clamped functionally graded sandwich plates under transient loading	The Spray Characteristics Of Pintle Injector Using Homogeneous Mixture Model And Eulerian To Lagrangian Transformation	Experimental Verification of Stiffness behavior of Multilayer Metal bellows	0:15
		Geetam Saha, Dibya Jyoti Basu, Aritro Roy Mitra and Dipesh Majumdar	Avnish Pandey and K V Nagendra Gopal	Jeongseok Kang, Younglin Yoo, Hong-Gye Sung, Minchan Kwon and Junyoung Heo	Istiyak Khan, Niles Gohel, Samiran Sengupta and Sujay Bhattacharya	
	13:00	LUNCH BREAK				1:00

Venue	SL1				
14:00	Plenary Session -10: Compressive Failure Behaviors of Composites and Composite Sandwich Structures Prof. Jia-Lin Tsai, National Yang Ming Chiao Tung University, Hsinchu, Taiwan				0:45
Venue	SL1		SL3		
14:45	Plenary Session -11: Development Policy of Korea's Space Science & Technology Dr. Chin-Young Hwang, KARI, South Korea		Plenary Session -12: Prof. Accurate measurement of laminar burning velocity of premixed fuel-air mixtures Prof. Sudarshan Kumar, IIT Bombay, India		0:45
Venue	SL1	SL2	SL3	SL4	
15:30	A detailed analysis of improved mathematical models of secondary velocities along perpendicular and transverse directions for steady uniform turbulent flow Titus Chattopadhyay	Structure analysis and optimization of SSS-1 microsatellite Yipeng Zhang, Hai Huang and Shenyang Chen	Numerical Investigation of Cavity Flow Field in Presence of Store Bhaskar K., Rakesh Kumar, Punit N. Gwalani, Anagha Mandayam Bhulokam, Gargi S. Pantoji and Aishvarya D. Joshi	Electro-mechanical Impedance response of delaminated glass-fibre composite beam Umakanta Meher, Praveen Shakya and Mohammed Rabiun Sunny	0:15
15:45	Simulating the impact of ground vortex ingestion on inlet performance Dr. Rajesh Kumar and Pramodkumar Vanam	Effect of Hygrothermal Environment on Dynamic Behavior of Folded Laminated Composite Plate Babu Ranjan Thakur, Surendra Verma, Bhriugu Nath Singh and Dipak Kumar Maiti	Numerical Analysis of Weapon Bay Cavities of Different Configurations Bhaskar K., Rakesh Kumar, Arjun R. Prasad, Akshay M. M., Rahul Ithal H. L. and Siddalingana Gowda M. P.	Numerical Study of the Effect of Shear Connectors in Insulated Sandwich Panel Building System Devjit Acharjee, Dibya Jyoti Basu and Debasish Bandyopadhyay	0:15
16:00	Break				0:15
16:15	NUMERICAL STUDY OF MULTIPLE-IMPINGEMENT JET ARRAYS ON ISO-THERMAL HORIZONTAL FLAT PLATE Dr. Pol Reddy Kukutla, Dr. Venkatesu Sadu, Dr. Syamsundar C, Dr. Maruthi Prasad Yadav G and Dr.Sekhar Babu P	Failure Mechanisms of SMA Reinforced Composites under Impact Loading Vagish Mishra, Ashish Mishra, Luv Verma and Anindya Roy	LES of shock-turbulence interaction in a Bell-shaped Convergent Divergent Nozzle. Agneev Roy and Somnath Ghosh	Based on Natural Frequencies, Crack Analysis of Fixed Support Fibre Glass Composite Beam Vaibhav Suryawanshi, Shailesh Palekar, Prasad Patare, Prasad Bojage and Atul Joshi	0:15
16:30	LES of compressible round jet impinging on a flat isothermal plate Swagatika Pradhan and Somnath Ghosh	A comparative study of recent phase-field implementations for fracture prediction in solids Sidharth Pc and B.N Rao	The Effect of Mole Weight Ratio of Reaction on the Propagation of Cellular Detonations Chun Wang	Probabilistic Mixed Mode Stress Intensity Factors of Single Edge Cracked Laminated Composite Plates Using Stochastic Extended Finite Element Method Shailesh Palekar, Achchhe Lal, Prasad Patare, Atul Joshi and Prasad Bojage	0:15
16:45	Experimental Investigation of Flow characteristics for Natural Circulation Valve Nikhil Pandey, Samiran Sengupta, Vijay K. Veluri, Manoj Tilara and Sujay Bhattacharya	Third-Order Shear Deformation Theory for the Low-Velocity Impact Response of 3D Braided Composite Plates Pabitra Maji and Bhriugu Nath Singh	Heat Treatment of AISI 1045 Specimens using High-Frequency and Simulation Jinkyu Choi and Seoksoon Lee	Dynamic response control of adjacent structures connected by viscous damper using inerter-based isolation systems Sudip Chowdhury	0:15
17:00	Modelling and analysis of winglet morphing for aerial vehicles Nandni Sharma, Gaurav Chhabra and Abha Gupta	Measuring deformation in lightweight structures with revamped DIC system: wind tunnel study Vivek Khare and Sudhir Kamle	Numerical Analyses on Free-Play Nonlinear Aeroelasticity Guowei Yang, Chengde Huang and Guangnan Zheng	Modeling damage evolution of laminated composites under high strain rate loading Bipin Kumar Chaurasia and Deepak Kumar	0:15
17:15	Study of evolving regular water-waves under steady wind forcing Santosh Kumar Singh	Low-Velocity Oblique Impact Response of Pre-twisted Sandwich Conical Shell with CNTRC Facings Tripuresh Deb Singha, Tanmoy Bandyopadhyay and Amit Karmakar	Development of drone-mounted mechanism for multiple fruit harvesting Bohyun Hwang, Kiyoun Joo and Byungkyu Kim	Effects of Column Orientation on Building Structure- Verified Through Pushover Analysis Suchintya Halder and Abhishek Hazra	0:15
17:30					

22 December	Venue	SL1				
	9:00	Plenary Session -13: Prof. Estimation of Aerodynamic Derivatives from Flight Data Prof. A. K. Ghosh, IIT Kanpur, India				0:45
	Venue	SL1				
	9:45	Plenary Session 14: Satellite based Navigation Systems (International and Indian Scenario) Dr. K. S. Parikh, ISRO SAC, Ahmedabad, India				0:45
	Venue	SL1	SL2	SL3	SL4	
	10:30	A modified sharp interface immersed boundary method	Applicability of duffing oscillator on the dynamic analysis of bistable variable stiffness laminates	Comparison of Full-field Solution between Virtual and Experimental Digital Image Correlation for Model Verification.	Porous Scaffold by Additive Manufacturing for Bone Replacement in Biomedical Application	0:15
		Bo Yin, Guowei Yang and Zhanzhou Hao	K. S. Akhil, P. M. Anilkumar and B. N. Rao	Vipin Chandra and Pritam Chakraborty	Apurba Das, Arghya Mondal, Palash Mondal, Masud Rana, Amit Roy Chowdhury and Amit Karmakar	
	10:45	Effects of jet flow on wake of high-speed train	Numerical Analysis of Structural Design Result for UAV applied to Composite Structure considering on Self-Healing Method	Experimental Investigation of Siphon breaker for Small Pipe breaks	A Study on Vibration Characteristics of Cantilever Conical Shell Made of FG Sandwich Material with Porosity and Thermal Effect	0:15
		Guo Dilong, Liu Wen and Yang Guowei	Hyunbum Park and Yonggyu Lee	Samiran Sengupta, Vijay K. Veluri and Sujay Bhattacharya	Apurba Das, Subhendu Pal, Korak Sarkar and Amit Karmakar	
	11:00	A robust fifth-order WENO-Z type scheme with improved accuracy at second-order critical point	Effects of vertical inclinations of square prism on the performance of piezoelectric energy harvester: An experimental study		Application of finite element direct integration method in flutter analysis	0:15
		Yiqing Shen, Shiyao Li and Ke Zhang	Rakesha Chandra Dash, Dipak Kumar Maiti and Bhriugu Nath Singh		Jie Huang, Guannan Zheng, Guowei Yang, Chengde Huang and Yingjie Yu	
	11:15	Break			First-ply failure load prediction of pre-twisted delaminated composite conical shells	0:15
	11:30	Study of influence of vortices on trailing airfoil	Stochastic finite element modelling of the graded cellular arches	A quasi-longitudinal study of the effect of hemodynamical parameters on the biomechanics of rupture in Abdominal Aortic Aneurysms	Suman Karmakar, Tripuresh Deb Singha, Tanmoy Bandyopadhyay and Amit Karmakar	0:15
		Bhaskar K., Mithil K, Pushkar Chaudhary, Sacheet S Amblekar and Sachin Maruti Shet	Mohammad Amir, Mohammad Talha, Sang-Woo Kim and Changduk Kong	Samarth S Bhatt, Amritanshu Dixit, Ahmad Shaikh, Tejas Canchi and Rangavittal Hk		
	11:45	Numerical analyses of re-entry module - Apex cover separation aerodynamics at low subsonic Mach number for various angles of attack	Design and development of a piezoelectric XY micro-displacement scanning stage	Equilibration of Van der Waals liquid drop with vapour in smoothed particle hydrodynamics		0:15
		B Venkateshivaram Jadav, Babu C and Vidya G	Xiaoyan Zhang, Weipeng Li, Jie Liu and Shuo Yang	P. C. Harisankar, C. F. Sagar Zephania and Tapas Sil		
	12:00	Ensemble Machine Learning Methods for Unsteady Aerodynamics Modeling using Flight Test Data	Damage Analysis of Multi-layered Composite Structures	Design and verification of electrical power subsystem for a student small satellite "SSS-1"		0:15
		Ajit Kumar and Ajoy Kanti Ghosh	Kartikeswar Dwibedy and Anup Ghosh	Liu Bohan, Yu Xudong and Huang Hai		
	12:15	CFD Investigation of Geometrical Truncation effect of Typical Winged Re-entry Vehicle on Pressure Coefficient at FADS ports	Sensor/actuator position optimization for large size structure using multi-objective optimization	Wall effect on the Drucker Prager model parameters for pebble beds in nuclear fusion reactor		0:15
		Kunal Garg, Jathaveda M, G Vidya, Babu C, Dr Patil M M and Dr Ashok V	Jianhongyu Li, Hai Huang and Shenyan Chen	Deepak K Pawar, Maulik Panchal, Paritosh Chaudhuri, Ratna Kumar Annabatualla and Narasimhan Swaminathan		
	12:30	Risk assessment of cerebral aneurysms using FSI	Static and free vibration analysis of functionally graded shells using non-polynomial quasi 3D shear deformation theory	Modeling and design of hybrid reluctance actuator for fast steering mirror		0:15
		Shine S R, Shantanu Saha, Harshavardhan E and Jayanand Sudhir B	Sambhaji Lore, Aditya Deshpande and Bhriugu Nath Singh	Weipan Zhang, Weipeng Li and Bin Ren		
	12:45	Stably electrospraying Concentrated aqueous solution with outer ionic liquid	An analytical approach to sense the presence of damage through electro-mechanical impedance (EMI) response for a step-lap joint	Numerical simulation of wind-driven rain on gabled roof buildings		0:15
		Yufeng Cheng, Jinrui Zhang, Guobiao Cai and Weizong Wang	Umakanta Meher and Mohammed Rabius Sunny	Chenhao Xu, Chongwen Jiang, Siyuan Pi, Shuyao Hu and Zhenxun Gao		
	13:00	LUNCH BREAK				1:00
	Venue	SL1				
	14:00	Joint Meeting Of Organisers				1:00
	15:00	Closing Session of ICTACEM2021				1:00
	16:00					
		Corresponding links for the technical sessions are embedded in the name of the sessions; namely SL1, SL2, SL3 and SL4.				