

Day 1: June 6, 20204		
8.00 - 9.00		Registration
9.00 - 10.00		Inauguration
10.00-13.00		SESSION 1A - Convective Heat Transfer - I
10.00-10.45		Keynote Lecture 1 - Dr. Jaap Hoffmann (Stellenbosch University, South Africa) Topic: Internal convection in elliptical tubes with constant heat flux
10.45-11.30		Tea Break and Poster Presentation
11.30-11.50		Invited Talk 1- Dr. Apresh Dutta (NIT Durgapur) Topic: Heat transfer and fluid flow in microchannel
11.50-13.00		Oral Presentations
Paper ID	Author	Title
136	Subham Show	Effect of surface waviness on natural convection straight and wavy walled cavities of CuO–nanofluid in a rectangular enclosure.
273	Nirmalendu Biswas	Magneto-hydrodynamic mixed thermal convection and irreversibility generation in a heated discretely semicircular porous channel
253	Shanta Kalai	An analysis of the novel microsink design numerically to maximize thermal performance.
227	Nayanita Kalita	Analysis of convective heat transfer coefficients in biogas driven hybrid solar dryer for high value ayurvedic products
232	Karthik R	Decoding boiling dynamics for critical heat flux prediction through vibrational analysis
177	Karan Dhuper	Utilizing the conical fin–dimple microstructure to enhance the hydrothermal performance of microchannel heat sink (MCHS)
10.00-13.00		SESSION 1B - Combustion, Heat Transfer
10.00-10.45		Keynote Lecture 2 - Dr. S. Sunil Kumar (ISRO) Topic: Electric propulsion-the way forward
10.45-11.30		Tea Break and Poster Presentation
11.30-11.50		Invited Talk 2 - Dr. S. Vedharaj (NIT Trichy) Topic: Effect of pre-chamber nozzle hole diameter on the combustion and flame characteristics for different hydrogen-based fuels
11.50-13.00		Oral Presentations
Paper ID	Author	Title
206	T J Sarvoththama Jothi	Accoustic instability of methane-air premixed flame is tubular combustor
79	Sourav Sarkar	Determination of hydrogen-ammonia blend composition for a fuel-flexible burner as an alternative to natural gas burners
68	Muddada Srinivasarao	A computational investigation of hydrogen enrichment, preheating, and oxygen concentrations on ammonia flames under a hot co-flow environment
259	Adityabir Singh	Partial gasification model: Adaptation of the complete gasification model to the results of an experimental investigation on rice-straw accoustic instability of methane-air premixed flame is tubular combustor
15	Ganamatayya K Hikkimath	Numerical investigation of methane air combustion in multi regime burner
130	Aman Hira	The effect of EGR and H ₂ as a fuel on the engine vibration, performance, and combustion in dual-fuel mode of a CRDi diesel engine
10.00-13.00		SESSION 1C - Experiments in Fluid and Thermal Systems - I
10.00-10.45		Keynote Lecture 3 - Prof. Saptarshi Basu (IISC Bangalore) Topic: Droplets under extreme conditions: A shocking story
10.45-11.30		Tea Break and Poster Presentation
11.30-11.50		Industry Sponsered Talk 1 - Mr. Jayaraj Balasubramanian, Imaging specialist, Ametek instruments India Pvt Ltd., Bangalore Topic: Recent trends in high speed imaging
11.50-13.00		Oral Presentations
Paper ID	Author	Title
215	Subradip Debnath	Tuning the dynamic wetting characteristics of a sessile droplet on a metallic platform through surfactant additives under ambient cooling
218	Pradeep Kumar Singh	Experimental investigation on local heat transfer analysis of heated surface embedded with metal foam using circular orifice air-jet impingement
56	Ojas Khade	Enclosure design and cooling system for ceramic plate ozone generator
213	Mahesh N Malage	Experimental investigation and correlation development for heated horizontal pipe under spray impingement
159	Kasyap V	Experimental investigations on a potable adsorption based atmospheric water generator
18	Deepak Kumar Mandal	Impact of a kerosene drop on a glass surface
10.00-13.00		SESSION 1D - CFD: Applications and Solutions - I
10.00-10.45		Keynote Lecture 4 - Prof. Bidyut Baran Saha (Kyushu University) Topic: Biomass-derived activated carbons for thermal energy conversion applications
10.45-11.30		Tea Break and Poster Presentation
11.30-11.50		Invited Talk 3 - Dr. Jithin M (NIT Calicut) Topic:Pore-Scale simulation of shear thinning fluid flow using lattice boltzmann method
11.50-13.00		Oral Presentations
Paper ID	Author	Title

241	Vineet Kumar Kundu	Investigative study on the effects of wind-induced natural ventilation in various cross-ventilated opening configurations and their efficiency in an isolated building model using computational fluid dynamics (CFD)
127	Swetha Lakshmi S	Computational study on respiratory airflow dynamics
85	Ranjan Das	Modelling of avalanche flow interaction with an instrumented tower at MSP-10 avalanche site, dhundhi, india
91	Nihal Hegde	Numerical study of skin response and comparative analysis of heat flux applications during hyperthermia therapy
193	Neeraj Ajith	CFD studies of sub-cooling of liquid cryogenic propellants by helium bubbling
59	Nandish R H	Numerical simulation of biomagnetic fluid in a cavity with parallel and antiparallel wall motions
13.00-14.00		Lunch Break
14.00-15.00		Plenary Lecture 1: Prof. Markides Christos (Imperial College London) Topic: Next-generation hybrid PV-X technologies for distributed solar polygeneration
15.00-18.00		SESSION 1E - Energy Systemes - I
15.00-15.45		Keynote Lecture 5 - Dr. Harjit Singh (Brunel University London) Topic: Sustainable energy technologies to resolve india's conundrum of decarbonisation and economic growth
15.45-16.30		Tea Break and Poster Presentation
16.30-16.50		Industry Sponsored Talk 2 - Ms. Rama Wairagkar, Multiphysics Application Engineer, Entuple Technologies Pvt. Ltd.
		Topic: CFD Applications and case studies in sustainable aviation, hydrogen scope of simulation, simulation harnessing solar power fuel cell and renewable energy
16.50-18.00		Oral Presentations
Paper ID	Author	Title
37	Nagendra Prasad Pandey	3E (energy, exergy, and economic) analysis and thermal modeling of a pulsating heat pipe-based pyramid solar still
72	Adityabir Singh	In-field evaluation of a radiant heating system using waste heat recovery
100	Aswathy T	Electrochemical performance of Ni - based porous electrodes for hydrogen evolution reaction in seawater electrolysis
53	Sagnik Pal	Investigating variables influencing frictional pressure drop in flow boiling of R134a and R407c refrigerants within microfin tubes
132	Anil S Karthik	Numerical investigation on the effect of ozone addition on detonation wave structure using detailed fuel chemistry model
257	Rajat Subhra Das	Performance analysis of a solar air heating duct having wavy absorber plate equipped with rectangular fins
15.00-18.00		SESSION 1F - Convective Heat Transfer - II
15.00-15.45		Keynote Lecture 6 - Dr. Sivasankaran Harish (University of Tokyo) Topic: Advancements in thermal transport technology targeting carbon-neutral society
15.45-16.30		Tea Break and Poster Presentation
16.30-16.50		Invited Talk 4 - Dr. Suvanjan Bhattacharyya (BITS Pilani) Topic: Experimental study of heat and fluid flow in transition flow regime
16.50-18.00		Oral Presentations
Paper ID	Author	Title
228	Deepak Kumar Raj	Design of a microchannel heat sink to augment the thermal performance utilising the semi-circular cavity in rectangular microchannel
238	Gururaj	Enhancing heat transfer in microchannel heat exchangers: Assessing the impact of channel geometry and nanofluids.
146	Sanjib Kalita	Augmentation of pool boiling heat transfer on MgO coated copper micro-nano structured surfaces
205	N Shiva	Multiphase mixed convection film condensation of fourth generation refrigerants over an inclined plate
51	Amarendra Kumar Gupta	Heating of air by viscous heating effect in air blowers and use of recycle stream in a compact equipment for microbial killing
65	Amogh Ashwin Thondavadi	Numerical investigations of fluid flow and heat transfer in double forward-facing step channel in the presence of twin obstacles
15.00-18.00		SESSION 1G - Phase Change and Energy Materials - I
15.00-15.45		Keynote Lecture 7 - Dr. S. Suresh (NIT Trichy) Topic:
15.45-16.30		Tea Break and Poster Presentation
16.30-16.50		Invited Talk 5 - Dr. Nirmalendu Biswas (Jadavpur University) Topic: Multifaceted thermal management of lithium-ion batteries: Synergistic integration of phase change materials, nanoparticles, and fin structures
16.50-18.00		Oral Presentations
Paper ID	Author	Title
55	Dhayanithi J	Investigation of thermal performance of the building envelopes of jaipur city using nano-enhanced rubitherm phase change material: A numerical prospective
71	Kasi Raja Rao, Man Mohan	Optimization and contribution investigation of synthesis parameters in nano-enhanced phase change materials: Eliminating the trade-off between thermal conductivity and
105	Bireesh Shil	Enhanced pool boiling heat transfer by superhydrophilic composite nano-coated copper microstructured surfaces
125	Subham Show	Passive Thermal Management of Electronic Devices in a PCM-Filled Semi-circular cavity.
93	Noel Sabu	Development of shape stabilized phase change material composite from biowaste-derived biochar for the thermal management applications
77	Iyyappan J	Charging behaviour of water based micro-particle enhanced phase change material in a different spherical capsule for cool thermal energy storage systems
15.00-18.00		SESSION 1H - Numerical Heat Transfer and Fluid Flow - I

15.00-15.45		Keynote Lecture 8 - Prof. Kirti Chandra Sahu (IIT Hyderabad)
		Topic: Microphysics of Raindrops
15.45-16.30		Tea Break and Poster Presentation
16.30-16.50		Invited Talk 6 - Dr. Hiranya Deka (IIT Dharwad)
		Topic: Coalescence of droplets and bubbles
16.50-18.00		Oral Presentations
Paper ID	Author	Title
58	Bhupendra Kumar Gandhi	Numerical analysis on local impact parameters affecting slurry erosion of pipe bends
86	Mahesh T	Dynamics of a generalized second-grade film down an inclined plane with heat transfer
4	Jammula Manohar	CFD simulation of droplet generation and dynamics in a shear-thinning fluid using flow focusing microchannel
199	Siddhita Yadav	Optimization of geometrical parameters of solar air heater with jet impingement technique
209	Urvesh Parmar	Computational modelling of electroosmotic flow in a channel
104	Sundresh N	Computational study of deformation of an elastic body in a viscous flow environment
19.00-22.00		Cultural Events and Gala Dinner
		Day 2: June 7, 20204
09.00-10.00		Plenary Lecture 2: Prof. Amit Agrawal (IIT Bombay) Topic : Higher Order Transport Equations: Why do we need them?
10.00-13.00		SESSION 2A - Renewable energy
10.00-10.45		Keynote Lecture 9 - Prof. K. Srinivas Reddy (IIT Madras) Topic: Solar energy systems for agricultural process heat applications
10.45-11.30		Tea Break and Poster Presentation
11.30-11.50		Invited Talk 7 - Dr. Rajat Subhra Das (NIT Meghalaya) Topic: A solar-driven thermally activated collector for air and water heating
11.50-13.00		Oral Presentations
Paper ID	Author	Title
261	Milan K John	Performance comparison between conventional and longitudinal fin designs in an optimized solar air heater
102	Sruthi Kalivendi	Characterization and performance evaluation of vertical axis wind turbine
249	Gokulnath R	Experimental studies on single slope solar still with different rotating wick configurations
13	Deepak K	A study on the recycling process of solar PV panels in concrete engineering and a characteristic analysis of the concrete's microparticles
73	Ahammed Kabeer V P	Design, fabrication and analysis of a parabolic trough collector based indirect solar drying system for agro-based items
11	Jay Shankar Prasad	Thermal performance of solar air heater with inclined offset ribs placed near heated wall
10.00-13.00		SESSION 2B - Phase Change and Energy Materials - II
10.00-10.45		Keynote Lecture 10 - Prof. Sandip Kumar Saha (IIT Bombay) Topic: Solid-solid and solid-liquid phase change materials: Scope in evolving non-conventional electronic cooling methods
10.45-11.30		Tea Break and Poster Presentation
11.30-11.50		Invited Talk 8 - Dr Jeetu S Babu (NIT Calicut) Topic: Exploring the mechanical and thermal properties of 2D materials containing defects via molecular simulations
11.50-13.00		Oral Presentations
Paper ID	Author	Title
280	Emlin V	Numerical analysis of heat transfer in minichannel heat sinks using nano-PCM based cooling in the laminar flow regime
113	Sahil Patle	Comparative analysis of even and uneven south roof greenhouses in ludhiana and raipur: A summer simulation study
60	Amiya Raju	Investigations on thermal performance of nitrogen-functionalized graphene - paraffin phase change material in finned heat sink
66	Santhosh Mugil R	Sequential estimation of temperature-dependent thermo-physical properties of materials using inverse technique
210	V Nirupam	Numerical investigation on thermal performance of composite PCM assisted radial heat sink for high-power COB LEDs
265	Sarvesh Agrawal	Numerical investigations of thermal performance of latent heat thermal energy storage system with novel corrugated annular fins
10.00-13.00		SESSION 2C - CFD: Applications and Solutions - II
10.00-10.45		Keynote Lecture 11 - Prof. Narasimha Mangadoddy (IIT Hyderabad) Topic: Development and application of 3D GPU DEM codes for spherical and non-spherical particulate systems.
10.45-11.30		Tea Break and Poster Presentation
11.30-11.50		Invited Talk 9 - Prof. Anupam Dewan (IIT Delhi) Topic: Tackling turbulence in savonius wind turbines using CFD and effects of axisymmetric-omnidirectional deflector on modified bach savonius rotor
11.50-13.00		Oral Presentations
Paper ID	Author	Title

97	Biplab Kumar Debnath	The effect of secondary heating of basin water on the thermo-physical properties of double slope solar still – a CFD study
291	Arjun Sikka	Comparative analysis of euler-euler and euler-lagrangian modelling techniques to investigate air-water mist jet impingement cooling
246	Ajay Kumar P V	Numerical study of a solar cabinet dryer with multi-point air supply
112	Sachin Kumar	Mixing of multiphase flow bioreactor by using CFD tool
135	Sanjay Singh Rawat, Gurrala Srinivasa Rao	Transient CFD analysis of afterburner with standard V-gutter
260	Hrushikesh Jadhav	Comparative study of conventional miniplates & modified Z-plate for immobilization of lower jaw fractures using finite element analysis
10.00-13.00		SESSION 2D - Battery Thermal Management - I
10.00-10.45		Keynote Lecture 12 - Dr. Subramanian S (Samsung R&D)
		Topic: Li ion batteries in electronic devices : Charging & battery health estimation challenges and developments
10.45-11.30		Tea Break and Poster Presentation
11.30-11.50		Invited Talk
11.50-13.00		Oral Presentations
Paper ID	Author	Title
255	Sutheesh P M	Novel aero fin structure for thermal management of lithium-ion battery pack: A numerical study
76	Sneha Patil	Enhancement of heat transfer of nickel manganese cobalt (NMC) lithium-ion battery packs using herringbone fins for electric mobility applications
147	Rajesh Kumar	Enhancing thermal performance of air-cooled lithium-ion batteries using spoilers
244	Puneet Kumar Nema	Investigation of the transient heat generation from high energy density li-ion battery for thermal management using PCM
276	Amjith J S	Novel twisted battery pack design for lithium-ion battery thermal management using air cooling
94	Kealeboga Kebaitse	Cooling performance investigation of an H-type Battery thermal management system (BTMS) with single corrugation and modified cooling channel spaces
13.00-14.00		Lunch Break
14.00-18.30		SESSION 2E - Miscellaneous
14.00-14.45		Keynote Lecture 13 - Prof. Josua Petrus Meyer (University of Pretoria, South Africa)
		Topic: Fundamental differences between the development of internal forced convection flow in a circular tube wall subjected to either a uniform heat flux or a uniform wall temperature
14.45-15.05		Invited Talk 10 - Dr. Md. Qaisar Raza (BITS Pilani)
		Topic: Coalescence-induced passive bubble departure during boiling in shear flow in microgravity
15.05-15.50		Tea Break and Poster Presentation
15.50-17.30		Oral Presentations
Paper ID	Author	Title
155	Raju Ranjan	Mass transfer & hydrodynamic studies of TEHDGA solvent for extraction of valuable radionuclides from radioactive liquid waste by using glass pulse column
172	Prajwal Naik C	Humins-derived activated carbon integrated with acid- and metal-sites as bifunctional heterogeneous catalyst for the efficient preparation of γ -valerolactone starting from
262	Sukanta Roga	Wind resource assessment for small-scale power generation set up in low wind speed regimes
118	Santosh Dabade	Experimental investigation of the novel desiccant mechanism composed of clay balls
99	Manu Mohan	Super hydrophilic degradation study of VUV irradiated PDMS surface exposed to dilute metal oxide nanofluids
165	Diwakar Z Shende	Reactive Separation of Caproic acid from aqueous streams using Tri-n-butyl phosphate (TBP) in natural diluents
21	Abhay Kumar Mahanta	Fluid-structure interactions on the target ship subjected to underwater explosion
70	Devavrat Kashyap	Evolution of pressure and temperature in spherical gas bottles submerged in Cryogenic propellant during de-pressurisation
14.00-18.30		SESSION 2F - Energy Systems - II
14.00-14.45		Keynote Lecture 14 - Prof. P. Muthukumar (IIT Tirupati)
		Topic: Energy efficient and environmental friendly porous radiant burners for cooking and industrial applications
14.45-15.05		Invited Talk 11 - Dr. Nitinkumar D Banker (NIT Calicut)
		Topic: Sustainable power generation through solar photovoltaic system using compressed gas energy storage in India
15.05-15.50		Tea Break and Poster Presentation
15.50-17.30		Oral Presentations
Paper ID	Author	Title
40	Tapan Kumar Gogoi	Study of a supercritical CO ₂ power cycle: Component level design and 3E analysis
92	Sravan Sunil	Synthesis and comparative study of CsSnI ₃ perovskite thin films with polyvinyl alcohol as additive
103	Shubham Rajesh Vaidya	Computational modeling of supercritical CO ₂ based natural circulation loop
74	Deepak Kumar Agarwal	Experimental investigation of flow structure and heat transfer in cryogenic vertical flows
254	Siddharth Ramachandran	Energy and exergy analysis of a stand-alone concentrated solar transcritical CO ₂ power plant
235	Shubham Parashar	Design and performance analysis of novel metal hydride reactor for thermochemical energy storage system applications
163	Ranjay Kumar Singh	Detonation cell size correlation for hydrogen-oxygen mixtures
30	Sambhaji Kadam	On separation of refrigerant from absorbent in generator of combined vapor compression-absorption refrigeration system for cold energy storage application
14.00-18.30		SESSION 2G - Battery Thermal Management - II

14.00-14.45		Keynote Lecture 15 - Prof. E. Anil Kumar (IIT Tirupati)
		Topic: Metal hydrides for hydrogen storage and energy conversion applications
14.45-15.05		Invited Talk
15.05-15.50		Tea Break and Poster Presentation
15.50-17.30		Oral Presentations
Paper ID	Author	Title
223	Pratik Punj	Enhanced remaining useful life prediction of li-ion batteries using denoising auto-encoder integrated LSTM model
101	Manoj Kumar Desu	Analysis of air based thermal management system for lithium-ion battery pack
274	Bandi Nagendra Reddy	Numerical investigation on thermal performance of lithium-ion battery thermal management system based on fish bone shaped bionic channel with nanofluid
16	Ambrish Kumar Tripathi	Thermal modeling of battery electric vehicle and it's behaviour with coolant variation
64	Akshay Kamble	Design and optimisation of cold plate for prismatic battery cell for electric vehicle applications
35	Devendra Singh Dandotiya	Numerical analysis of pouch cell battery thermal management using U-Type liquid cooling channels
9	Digvijay Dadasaheb Rongre	Optimization study of an Air-Cooled Battery pack using Taguchi based Grey Relational Analysis (GRA)
14.00-18.30		SESSION 2H - Heat Exchangers, Heat Transfer & Miscellaneous
14.00-14.45		Keynote Lecture 16 - Prof. Amaresh Dalal (IIT Guwahati)
		Topic: Heat transfer analysis of a fin-tube heat exchanger using shear-thinning fluid and winglet type vortex generators
14.45-15.05		Invited Talk 12 - Dr. Deepak Kumar Mandal (IIT (ISM) Dhanbad)
		Topic: A drop's evaporation under the influence of acoustics: How does the internal circulation behave?
15.05-15.50		Tea Break and Poster Presentation
15.50-17.30		Oral Presentations
Paper ID	Author	Title
141	Rahul Yadav	Fast calculation of radiative heat transfer in rocket nozzles using neural network surrogate to Mie scattering algorithm
175	Alankrit Srivastava	Local mass burning rate correlation for turbulent boundary layer diffusion flames stabilized over a condensed fuel surface
82	Avinash Kumar Yadav	Effect of temperature of pressurant gas on requirement of pressurant mass for expulsion of liquid oxygen in semi-cryogenic stage
6	Amit Kumar Chauhan	Hydraulics Implications of Flow Distribution Device in The Bottom Header of IHX
8	Ganatra Dhruvil	Numerical Estimation of Sodium Hydride Precipitation in Cold Trap of PFBR
196	Kavin Kabilan	Computational modelling of electrohydrodynamic flow in a channel
226	Aditya Thakur	Design and analysis of adsorber in continuous adsorption refrigeration system
108	Shayanton Deb	Thermofluidic interpretation around a swirling heated converging-diverging tube
17.30-18.30		Plenary Lecture 3: Prof. Matteo Bucci (Massachusetts Institute of Technology) Topic: Far away, so close: high resolution investigations of boiling heat transfer, from cryogenic fluids to high-pressure water
		Day 3: June 8, 20204
09.00-10.00		Plenary Lecture 4: Dr. Pradip Dutta (Indian Institute of Science Bangalore) Topic: Sorption based thermal and gas storage systems
10.00-13.20		SESSION 3A - Numerical Heat Transfer and Fluid Flow - II
10.00-10.45		Keynote Lecture 17 - Dr. Arup Kumar Das (IIT Roorkee)
		Topic: Annular flow boiling instabilities: Interfacial structures and redistribution on varying flow conditions
10.45-11.00		Tea Break
11.00-11.20		Invited Talk 13 - Dr. Sambit Majumder (NIT Meghalaya)
		Topic: Unlocking the potential of partially-saturated-cells approach for complex thermo-fluid particle interactions
11.20-13.20		Oral Presentations
Paper ID	Author	Title
54	Sayan Patra	Turbulence model sensitivity analysis for two-phase bubbly flow in vertical large-diameter pipe
153	Prashant Narayan Panday	Coalescence of three liquid droplets at an air-water interface driven by surface waves.
204	Prasad Prabhu Savanur	Numerical modelling of magnetic hyperthermia using finite difference method
95	Nishant Mahamuni	Computational modelling of magnetic hydrodynamics oscillatory flow in a channel
157	Pranav P R	Effects of second throat on converging – diverging supersonic nozzle.
78	Nishith Balagirithar C	Numerical investigations of droplet impact on patterned wettability surfaces
281	Nisarg Solanki, Kush Patel	Advancing turbine blade cooling: integrating porous obstacles for improved efficiency
252	Ajoy Kumar Das	Numerical investigation of heat transfer enhancement in fan shaped cavity micro channel with secondary branch and rib
239	Jaideep Shukla	Comprehensive investigation of a two-pass latent heat thermal energy storage system with different geometric and flow configurations: A numerical and experimental analysis

67	Anil Kumar Patil	Thermal performance enhancement of a heat exchanger tube using double perforated twisted tape with V-winglet
10.00-13.20		SESSION 3B - Numerical Heat Transfer and Fluid Flow - III
10.00-10.45		Keynote Lecture 18 - Prof. Tanmay Basak, (IIT Madras)
		Topic: Microwave assisted material processing; Sustainability and energy efficiency
10.45-11.00		Tea Break
11.30-11.20		Invited Talk 14 - Dr. Shyam Sunder Yadav (BITS Pilani)
		Topic : Multiphase, multiphysics flow simulations with open source software
11.20-13.20		Oral Presentations
Paper ID	Author	Title
19	Arumuga Perumal D	Study of natural and forced convection in heated cavity by lattice boltzmann method
290	Naji Navas Pachayi	Numerical analysis of irreversible elasto-viscoplastic fluid flowing past circular bluff bodies
150	Gaurav G, Sreenand S	Numerical analysis of flow around tandem inline lobbed cylinders at low reynolds number
275	Ankit Singh	Numerical investigation of transverse injection from a dual-strut configuration in a scramjet combustor
160	Unnikrishnan D	Effect of helix angle on high solidity vertical axis wind turbines at low wind speeds
180	Auntara Madhuri Tithi	Numerical approach for carbon monoxide (CO) two-photon laser-induced fluorescence (TP-LIF) at higher temperatures and atmospheric Pressure
188	Aswathy Sathesh	Thin film development on a double layer of fluids over a stretching sheet
86	Anushka Tushar Seth	Flow through an eccentric annulus using bipolar cylindrical coordinate transformation
23	Abhishek Sharma	CFD-based design optimization of swirl coaxial injector for LOx-methane rocket engine
121	Ganesh Sahadeo Meshram	Numerical study of wettability of the triangular micro-pillared surfaces using lattice boltzmann method
10.00-13.20		SESSION 3C - Aerodynamics & Miscellaneous
10.00-10.45		Keynote Lecture 19 - Prof. Lua Kim Boon (National Yang Ming Chiao Tung University)
		Topic: Aerodynamics of two-dimensional flapping wing in a forward flight
10.45-11.00		Tea Break and Poster Presentation
11.00-13.20		Oral Presentations
Paper ID	Author	Title
25	Srikanth T	Design, fabrication and testing of a cooling setup for the vacuum calibration testing of SUIT and VELC instruments of aditya-L1 spacecraft
192	Prasobh J Mechery	Optimization of turn around sortie time of a typical fighter aircraft by enhancement of heat dissipation through forced convection
250	Kalyani Kalavakunta	On the investigation of improved aerodynamic lift characteristics of leading-edge tubercle NACA 0012 airfoil at low reynolds numbers
133	N Govindha Rasu	Investigation of the performance of single-stage and two-stage air ejector system used in combat aircrafts
10	Chandra Shekhar Sharma	Advancements in dynamic modeling and control strategies for aircraft bleed air environmental control systems
19	Arumuga Perumal D	Aerodynamic analysis of rear spoilers in automobiles using CFD
126	Piyush Sharma	Characterization of sensible heat storage materials for high temperature applications
137	Shital Macchindra Pawar	A preliminary investigation of pressure drop characteristics in bulk quantity of onion using Computational Fluid Dynamics
207	Mukul Joseph	Effect of diesel injection timing on engine performance in a diesel-hydrogen dual-fuel RCCI engine
49	Roshan R Bhurse	Model development and thermal analysis of fixed bed pyrolysis process using consol multiphysics
187	Tanu Bhagwant Naik Kurade	Structural conditions of multiple cylinders dictating wind energy harvesting at very low reynolds number
10.00-13.20		SESSION 3D - Experiments in Fluid and Thermal Systems - II
10.00-10.45		Keynote Lecture 20 - Prof. Ming-Chang Lu (NTU)
		Topic: Micro/nanostructures for enhanced phase-change heat transfer
10.45-11.00		Tea Break
11.00-13.20		Oral Presentations
Paper ID	Author	Title
52	Ajoy Kumar Das	Exploring adiabatic flow patterns maps and factors affecting flow boiling heat transfer coefficients of R134a and R513A refrigerants through microfin tube
110	Chetan Kumar	Analysis of heat transfer characteristics of coaxial air jet on a hot surface an experimental study
164	Alankrit Srivastava	Investigating flame streak behavior in turbulent wind-driven fires
236	Akshay Manoj Bhaskaran	Hydrodynamics of liquid lamellae during droplet-jet collisions
62	Abhik Majumder	Study of zinc myristate surface morphology on contact angle and contact angle hysteresis.
200	Neeraj Sunheriya	Performance analysis of modified solar water heater with V trough reflector
123	Santosh Dabade	Experimental investigation of desiccant characteristics of paddy, coconut coir and vetiver at different temperatures and shapes of matrix
173	Alankrit Srivastava	Distribution of local heat fluxes in turbulent wind-driven fires
221	Shirish Kumar Sharma	Cold flow visualization and simulation of gas solid two-phase flow in cyclone reactor for millimeter size particle
142	Ravi Pippal	Cost-effective surface texture for enhancement of boiling heat transfer from superheated substrate
149	Rudresha S	Experimental investigation on heat transfer performance of a pulsating heat pipe by using diethylene glycol
13.20-14.30		Lunch Break

14.30-15.00

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