



## TFRE-2020

26<sup>th</sup> - 28<sup>th</sup> November 2020, NIT Arunachal Pradesh, India

### Program Schedule

Day 1: 26 <sup>th</sup> November 2020: International Conference (TFRE 2020)					
Sl No	Event/Activity			Schedule	Link
1	Inauguration			9.30 AM- 10:30 AM IST	<a href="https://meet.google.com/jxt-xcwu-phe">https://meet.google.com/jxt-xcwu-phe</a>
2	Tea break			10.30 AM- 11.30 AM IST	
<b>Session begins- Keynote speakers (KS), Track 1 (T1): T1- •Bio Heat Transfer• Computational Fluid Dynamics• Refrigeration and Air Conditioning</b>					
Sl No	Keynote speakers/ Authors/Speakers	Title	Registered authors	Schedule	Link
KS#1	<b>Keynote speaker</b> Prof. Suman Chakraborty	RT-PCR Simplified: A New Approach to COVID 19 Diagnostics		(11.30AM-12.15PM) IST	<a href="https://meet.google.com/vzz-vtqz-vdq">https://meet.google.com/vzz-vtqz-vdq</a>
KS#2	<b>Keynote speaker</b> Prof. Pinakeswar Mahanta	Challenges in drying of cereal grains		(12.15-1.00) PM IST	<a href="https://meet.google.com/iqc-zitm-ziv">https://meet.google.com/iqc-zitm-ziv</a>
3	<b>Lunch break</b>			(1.00-2.30) PM IST	
KS#3	<b>Keynote speaker</b> Prof. Josua Meyer	Recent Trends in Internal Convection in Renewable Energy Heat Exchangers		(2.30-3.15) PM IST (11.00-11.45) AM SA	<a href="https://meet.google.com/yne-ueaa-cfg">https://meet.google.com/yne-ueaa-cfg</a>
KS#4	<b>Keynote speaker</b> Prof. –Ing Tobias Plesing	Recent Trends in Biomass Gasification in Germany		(3.30-4.15) PM IST (11.00AM-11.45AM) GR	<a href="https://meet.google.com/hmc-hqid-fft">https://meet.google.com/hmc-hqid-fft</a>
4	<b>Tea break</b>			(4.15-4.30) PM IST	



1 (T1)	J.C. Umavathi, O. Anwar Béq, B. Vasu and Rama S R Gorla	Perturbation and MAPLE Quadrature Computation of Thermo-Solutal Dissipative Reactive Convective Flow in a Geothermal Duct with Robin Boundary Conditions	B. Vasu	<u>Presentation</u> (4.30-4.40) PM IST <u>Discussion</u> (4.40-4.43) PM IST	<a href="https://meet.google.com/opp-anri-jnf">https://meet.google.com/opp-anri-jnf</a>
2(T1)	Gineesh M Pillai, J S Jayakumar, Ajith Kumar R	Fluid structure interaction analysis in an Atherosclerosis carotid artery	Gineesh M Pillai	<u>Presentation</u> (4.45-4.55) PM IST <u>Discussion</u> (4.55-4.58) PM IST	
KS#5	<b>Keynote speaker Prof. Debapriya Das</b>	Virtual Power Plant (VPP)		(5.00-5.45) PM IST	<a href="https://meet.google.com/nbg-ubti-mza">https://meet.google.com/nbg-ubti-mza</a>
3(T1)	Nilamani Sahoo, Devranjan Samanta, Purbarun Dhar	Effect of substrate inclination on post impact dynamics of droplets	Nilamani Sahoo	<u>Presentation</u> (5.00-5.10) PM IST <u>Discussion</u> (5.10-5.13) PM IST	<a href="https://meet.google.com/opp-anri-jnf">https://meet.google.com/opp-anri-jnf</a>
4(T1)	Rakesh Kumar, Kapil Dev, Ranjan Kumar, Pulak Sen, Dipak Sen	Influence of Pulsating Flow on Thermal Characteristics in a Triangular Sharp Edged Wavy Channel	Ranjan Kumar	<u>Presentation</u> (5.15-5.25) PM IST <u>Discussion</u> (5.25-5.28) PM IST	<a href="https://meet.google.com/opp-anri-jnf">https://meet.google.com/opp-anri-jnf</a>
5(T1)	Debasish Dey, Madhurya Hazarika	ENTROPY GENERATION ANALYSIS AND SLIP EFFECTS ON NANO FLUID FLOW WITH HEAT AND MASS TRANSFER	Madhurya Hazarika	<u>Presentation</u> (5.30-5.40) PM IST <u>Discussion</u> (5.40-5.43) PM IST	
6(T1)	Ashutosh Singh, Prince Kumar, Pulak sen, Dipak Sen	Influence of isothermal cylinders at different shape and separation angle in a rectangular channel on mixed convection flows	Prince Kumar	<u>Presentation</u> (5.45-5.55) PM IST <u>Discussion</u> (5.55-5.58) PM IST	
7(T1)	Abishek Sarkar, Mukesh Mehta, Shubham Gupta, Anup Paul	THERMAL RESPONSE OF NANOPARTICLE INFUSED TISSUE PHANTOMS DURING MICROWAVE HEATING – A COMPARATIVE STUDY	Abishek Sarkar	<u>Presentation</u> (6.00-6.10) PM IST <u>Discussion</u> (6.10-6.13) PM IST	
8(T1)	Abhijit Paul, Anup Paul	Nanoparticle assisted multilayered photo thermal therapy concerning countercurrent blood flow: A numerical study	Abhijit Paul	<u>Presentation</u> (6.15-6.25) PM IST	



				Discussion (6.25-6.28) PM IST	
9(T1)	R. Balamurugan, A. Vanav Kumar	Unsteady Casson fluid flow past a stretching sheet subject to non linear (Quadratic) free convection along with suction	R. Balamurugan	Presentation (6.30-6.40) PM IST Discussion (6.40-6.43) PM IST	<a href="https://meet.google.com/opp-anri-jnf">https://meet.google.com/opp-anri-jnf</a>
KS#6	<b>Keynote speaker Prof. Kunal Mitra</b>	Bio-Heat Transfer Analysis for Laser Based Therapeutic Applications		(8.30-9.15) PM IST (10.00-10.45) AM USA	<a href="https://meet.google.com/gqs-chns-rkg">https://meet.google.com/gqs-chns-rkg</a>

**Day 2: 27<sup>th</sup> November 2020: International Conference (TFRE 2020)**

**Session begins- Keynote speakers (KS), Track 2 (T2) and Track 4 (T4): T2- • Bio Fuel• Combustion• Aerodynamics:::T4- • Control Mechanism for Constant Power Generation• Distributed Generation• Electric Vehicle• Hybrid Power System• Hydro Power System**

SI No	Keynote speakers/ Authors/Speakers	Title	Registered authors	Schedule	Link
1 (T2)	Parag K. Talukdar, Nur Alom, Umang Rathod, Vinayak Kulkarni, Polash Saikia, Devakanta Rabha	Wind Tunnel Experiments to Estimate the Performance of a Novel Arc-elliptical-bladed Savonius Wind Rotor	Parag K. Talukdar	Presentation (10.00-10.10) AM IST Discussion (10.10-10.13) AM IST	<a href="https://meet.google.com/wfp-azcd-gvs">https://meet.google.com/wfp-azcd-gvs</a>
1 (T4)	Mallikarjunaswamy S, Sharmila N, Siddesh G K, Nataraj K R, Komala M	Mallikarjunaswamy S, Sharmila N, Siddesh G K, Nataraj K R, Komala M	Mallikarjunaswamy S	Presentation (10.00 -10.10) AM IST Discussion (10.10-10.13) AM IST	<a href="https://meet.google.com/edb-wnxx-hip">https://meet.google.com/edb-wnxx-hip</a>
2(T2)	Mahendra Kumar Gupta, P.M.V.Subbarao	Design and performance analysis of hydrokinetic turbine with aerodynamic stall model	Mahendra Kumar Gupta	Presentation (10.15-10.25) AM IST Discussion (10.25-10.28) AM IST	<a href="https://meet.google.com/wfp-azcd-gvs">https://meet.google.com/wfp-azcd-gvs</a>
2(T4)	Rajen Pudur, Brajagopal Datta	Speed control of PMBLDC motor using rotor position rotor speed PWM technique	Brajagopal Datta	Presentation (10.15-10.25) AM IST Discussion (10.25-10.28) AM IST	<a href="https://meet.google.com/edb-wnxx-hip">https://meet.google.com/edb-wnxx-hip</a>
3(T2)	Joy Nondy, Tapan Kumar Gogoi	Energy and Exergy analyses of a gas turbine and reheat-regenerative steam turbine integrated combined cycle power plant	J.Nondy	Presentation (10.30-10.40) AM IST Discussion	<a href="https://meet.google.com/wfp-azcd-gvs">https://meet.google.com/wfp-azcd-gvs</a>



				(10.40-10.43) AM IST	
3(T4)	Boni Satya Varun Sai, Sarang A. Khadtare, Debashis Chatterjee	A SENSOR BASED IMPROVED MPPT TECHNIQUE UNDER PARTIAL SHADING CONDITION	Boni Satya Varun Sai	<u>Presentation</u> (10.30-10.40) AM IST <u>Discussion</u> (10.40-10.43) AM IST	<a href="https://meet.google.com/edb-wnxr-hip">https://meet.google.com/edb-wnxr-hip</a>
4(T2)	Thochi Seb Rengma, P.M.V Subbarao	Comparative Analysis of Savonius Type Ultra-Micro Hydrokinetic Turbine of Experimental and Computational Investigation	Thochi Seb Rengma	<u>Presentation</u> (10.45-10.55) AM IST <u>Discussion</u> (10.55-10.58) AM IST	<a href="https://meet.google.com/wfp-azcd-gvs">https://meet.google.com/wfp-azcd-gvs</a>
4(T4)	Mainak Mukherjee, Abhik Banerjee	Application of Fuzzy Based System for Harmonic Minimization of a Hybrid Energy System	Mainak Mukherjee	<u>Presentation</u> (10.45-10.55) AM IST <u>Discussion</u> (10.55-10.58) AM IST	<a href="https://meet.google.com/edb-wnxr-hip">https://meet.google.com/edb-wnxr-hip</a>
5(T2)	Munmi Bhattacharyya, Pinakeswar Mahanta, Kaustubha Mohanty	Effect of Biomass Blending Ratio and Catalysts in the Kinetic Modelling of Coal and Duckweed Co-Pyrolysis	Munmi Bhattacharyya	<u>Presentation</u> (11.00-11.10) AM IST <u>Discussion</u> (11.10-11.13) AM IST	<a href="https://meet.google.com/wfp-azcd-gvs">https://meet.google.com/wfp-azcd-gvs</a>
5(T4)	AngelicaWartina, Shekha Rai	A modified ERA algorithm for mode estimation in Power System	AngelicaWartina	<u>Presentation</u> (11.00-11.10) AM IST <u>Discussion</u> (11.10-11.13) AM IST	<a href="https://meet.google.com/edb-wnxr-hip">https://meet.google.com/edb-wnxr-hip</a>
6(T2)	Vinod J, Bikash Kumar Sarkar	INTEGRAL SLIDING MODE CONTROLLER DESIGN FOR FRANCIS TURBINE ELECTROHYDRAULIC IGV SYSTEM	Vinod J; Bikash Kumar Sarkar	<u>Presentation</u> (11.15-11.25) AM IST <u>Discussion</u> (11.25-11.28) AM IST	<a href="https://meet.google.com/wfp-azcd-gvs">https://meet.google.com/wfp-azcd-gvs</a>
6(T4)	Sarang A. Khadtare, Boni Satya Varun Sai, Debashis Chatterjee	A Wind-PV HYBRID GENERATION SCHEME FOR GRID ISOLATED REMOTE APPLICATION	Sarang A. Khadtare	<u>Presentation</u> (11.15-11.25) AM IST <u>Discussion</u> (11.25-11.28) AM IST	<a href="https://meet.google.com/edb-wnxr-hip">https://meet.google.com/edb-wnxr-hip</a>
7(T2)	Pradip Mondal, Samiran Samanta, Sudip Ghosh, Shambhunath Barman	BIO-WASTE FIRED GAS TURBINE AND TRANSCRITICAL CO2 CYCLE BASED COMBINED POWER PLANT: THERMODYNAMIC, ECONOMIC AND ENVIRONMENTAL PERFORMANCE ASSESSMENT	Pradip Mondal	<u>Presentation</u> (11.30-11.40) AM IST <u>Discussion</u> (11.40-11.43) AM IST	<a href="https://meet.google.com/wfp-azcd-gvs">https://meet.google.com/wfp-azcd-gvs</a>
7 (T4)	Rupali Mohanty, Swati Suman, Debashis Chatterjee	Comparison Analysis of THD Optimization Using PSO and Jaya Algorithm in Reduced H-bridge Multilevel Inverter	Rupali Mohanty	<u>Presentation</u> (11.30-11.40) AM IST <u>Discussion</u> (11.40-11.43) AM IST	<a href="https://meet.google.com/edb-wnxr-hip">https://meet.google.com/edb-wnxr-hip</a>



8(T2)	Biswajyoti Das, P. Mahanta, P. S. Robi	Production of Hydrogen Gas from Al-water Reaction in the presence of aqueous NaOH- An Experimental Approach	Biswajyoti Das	Presentation (11.45-11.55) PM IST Discussion (11.55-11.58) PM IST	<a href="https://meet.google.com/wfp-azcd-gvs">https://meet.google.com/wfp-azcd-gvs</a>
8 (T4)	Gomar Bam, Pabitra Kumar Guchhait, Abhik Banerjee	STABILITY IMPROVEMENT OF RENEWABLE SOURCE INTEGRATED HYBRID SYSTEM USING SVC CONTROLLER AND ALO TECHNIQUE	Gomar Bam	Presentation (11.45-11.55) PM IST Discussion (11.55-11.58) PM IST	<a href="https://meet.google.com/edb-wnxr-hip">https://meet.google.com/edb-wnxr-hip</a>
9(T2)	Awinash Kumar, Vikeshachand Prasad Singh, Pradip Lingfa	Thermal cracking of High-Density Polyethylene Wastes and Production of Liquid Hydrocarbon	Awinash Kumar	Presentation (12.00-12.10) PM IST Discussion (12.10-12.13) PM IST	<a href="https://meet.google.com/wfp-azcd-gvs">https://meet.google.com/wfp-azcd-gvs</a>
9(T4)	Rajen Pudur, Mrinal Kanti Rajak, Shadab Zafar	ANALYSIS OF SAVONIUS ROTOR WITH MULTIPLE BLADES FOR HYDROKINETIC APPLICATION	Mrinal Kanti Rajak	Presentation (12.00-12.10) PM IST Discussion (12.10-12.13) PM IST	<a href="https://meet.google.com/edb-wnxr-hip">https://meet.google.com/edb-wnxr-hip</a>
10(T2)	Nabam Hina Papu and Pradip Lingfa	A REVIEW ON INDIGENOUS FRESHWATER MICROALGAE ISOLATED FROM NATURAL HABITATS OF ARUNACHAL PRADESH, INDIA AS A BIODIESEL SOURCE	Nabam Hina Papu	Presentation (12.15-12.25) PM IST Discussion (12.25-12.28) PM IST	<a href="https://meet.google.com/wfp-azcd-gvs">https://meet.google.com/wfp-azcd-gvs</a>
10(T4)	Swati Suman, Rupali Mohanty and Debashis Chatterjee	COMPARISON OF MULTI-CARRIER MLI, CHB-MLI, SHEPWM AND SPWM INVERTERS FOR PV-GRID INTEGRATION	Swati Suman	Presentation (12.15-12.25) PM IST Discussion (12.25-12.28) PM IST	<a href="https://meet.google.com/edb-wnxr-hip">https://meet.google.com/edb-wnxr-hip</a>
1	<b>Lunch break</b>			12.30 PM-3.30 PM IST	
KS#7	<b>Keynote speaker</b> <b>Prof. Sudipta De</b>	From generation to polygeneration: is decentralization the sustainable energy solution for rural India?		(3.30-4.15) PM IST	<a href="https://meet.google.com/hvv-pzjt-wgt">https://meet.google.com/hvv-pzjt-wgt</a>
2	<b>Tea break</b>			4.15PM-4.30 PM	
KS#8	<b>Keynote speaker</b> <b>Prof. V.S Moholkar</b>	Biobutanol: A potential liquid biofuel		(4.30-5.15) PM IST	<a href="https://meet.google.com/ybk-eaop-fkx">https://meet.google.com/ybk-eaop-fkx</a>



KS#9	<b>Keynote speaker Dr. Richard Blanchard</b>	Global Warming, the Role of Renewable Energy and the Case for Modernising Cooking	(5.30-6.15) PM IST (12.00-12.45) PM UK	<a href="https://meet.google.com/foh-mtrx-and">https://meet.google.com/foh-mtrx-and</a>
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**Day 3: 28<sup>th</sup> November 2020: International Conference (TFRE 2020)**

**Session begins- Keynote speakers (KS), Track 1 (T1), Track 2 (T2) and Track 3 (T3):** T1- •Bio Heat Transfer• Computational Fluid Dynamics• Refrigeration and Air Conditioning:::T2- • Bio Fuel• Combustion• Aerodynamics:::T3- •Solar and Renewable Energy• Energy Storage

SI No	Keynote speakers/ Authors/Speakers	Title	Industry/R&D Lab	Schedule	Link
KS#10	<b>Prof. Sarit Kumar Das</b>			(11 to 11:45) AM IST	<a href="https://meet.google.com/srf-awgg-hms">https://meet.google.com/srf-awgg-hms</a>
KS#11	<b>Prof. Rajat Gupta</b>	Recent Development of Vertical Axis Wind Turbines- An Overview		(12 to 12:45) PM IST	<a href="https://meet.google.com/mdy-etgr-zjp">https://meet.google.com/mdy-etgr-zjp</a>
1	<b>Lunch break</b>			12.45 PM-3.00 PM IST	
1 (T3)	Manikangkan Das, Dr. Deva Kanta Rabha	MATHEMATICAL MODELING AND SIMULATION OF THE DRYING PROCESS OF TEA LEAVES IN A BATCH-TYPE TRAY DRYER	Deva Kanta Rabha; Manikangkan Das	Presentation (3.00-3.10) PM IST Discussion (3.10-3.13) PM IST	<a href="https://meet.google.com/msg-tzxr-yej">https://meet.google.com/msg-tzxr-yej</a>
10(T1)	Biswajit Gorai, Satyabrata Sahoo	Energetic and exergetic analysis of an ejector based green refrigeration system employing evaporative cooling in the gas cooler	Biswajit Gorai	Presentation (3.00-3.10) PM IST Discussion (3.10-3.13) PM IST	<a href="https://meet.google.com/qbx-avvj-yme">https://meet.google.com/qbx-avvj-yme</a>
11(T2)	Animesh Das, Nibedita Das, Manjula Das Ghatak	Experimental investigation of feasibility of using biodiesel produced from nahar, castor and rice bran seeds in CI engine	Animesh Das	Presentation (3.00-3.10) PM IST Discussion (3.10-3.13) PM IST	<a href="https://meet.google.com/mku-ztuj-xjb">https://meet.google.com/mku-ztuj-xjb</a>
2(T3)	Animesh Borgohain , Kaustav Bharadwaz	DESIGN AND DEVELOPMENT OF A BEACH SAND SOLAR COLLECTOR	Animesh Borgohain	Presentation (3.15-3.25) PM IST Discussion (3.25-3.28) PM IST	<a href="https://meet.google.com/msg-tzxr-yej">https://meet.google.com/msg-tzxr-yej</a>
11(T1)	<b>Debasish Dey, Barbie Chutia</b>	<b>Modelling and analysis of dusty fluid flow past a vertical surface with exothermic and endothermic kind of</b>	<b>Barbie Chutia</b>	<b>Presentation (3.15-3.25) PM IST</b>	<a href="https://meet.google.com/qbx-avvj-yme">https://meet.google.com/qbx-avvj-yme</a>





		chemical reactions		Discussion (3.25-3.28) PM IST	
12(T2)	Mridul Deka, Pradeep Kumar Mahanta, Nabajit Dev Choudhury	Effect of EGR on Performance and Emission Characteristics of a Diesel Engine Fueled with Yellow Oleander Seed Oil Biodiesel	Mridul Deka	Presentation (3.15-3.25) PM IST Discussion (3.25-3.28) PM IST	<a href="https://meet.google.com/mku-ztuj-xjb">https://meet.google.com/mku-ztuj-xjb</a>
3(T3)	Tushar Sharma, Prof. Dr. rer. nat. Robert Honke, Prof. Dr.-Ing. Tobias Plesing	Comparison of system performance of different types of Ice-battery for cooling applications in industries	Tushar Sharma	Presentation (3.30-3.40) PM IST (11.00-11.10)AM GR Discussion (3.40-3.43) AM IST (11.10-11.13) AM GR	<a href="https://meet.google.com/msg-tzxr-yej">https://meet.google.com/msg-tzxr-yej</a>
12(T1)	Jino L, A Vanav Kumar, Swapnali Doley, Berlin Mohanadas, Mohanty P. K	Numerical modelling of porous square cavity heated on vertical walls in presence of magnetic field	Jino L	Presentation (3.30-3.40) PM IST Discussion (3.40-3.43) AM IST	<a href="https://meet.google.com/gbx-avvj-yme">https://meet.google.com/gbx-avvj-yme</a>
13(T2)	Deep Bora, Lepakshi Barbora, Pinakeswar Mahanta	Synthesis of a Low Cost, Natural Base Solution for CO2 Scrubbing from Biogas and its Comparison with KOH	Deep Bora	Presentation (3.30-3.40) PM IST Discussion (3.40-3.43) AM IST	<a href="https://meet.google.com/mku-ztuj-xjb">https://meet.google.com/mku-ztuj-xjb</a>
4(T3)	Arup Dutta, Lepakshi Barbora, Aparupa Thakuria, Pranab Goswami, Davard Stom	Duckweed Assisted Sediment Microbial Fuel Cell for Powering Small Scale Devices	Arup Dutta	Presentation (3.45-3.55) PM IST Discussion (3.55-3.58) AM IST	<a href="https://meet.google.com/msg-tzxr-yej">https://meet.google.com/msg-tzxr-yej</a>
13(T1)	Swatilekha Nag, Susanta Maity	Thermal effects of CNT nanofluids during spin coating	Swatilekha Nag	Presentation (3.45-3.55) PM IST Discussion (3.55-3.58) AM IST	<a href="https://meet.google.com/gbx-avvj-yme">https://meet.google.com/gbx-avvj-yme</a>
14(T2)	Siba Shankar Mohapatra, Sasanka Choudhury, Binayak Pattanayak	VEGETABLE OIL AS FUEL IN CI ENGINE WITH AND WITHOUT EXHAUST GAS RECIRCULATION—A REVIEW	Binayak Pattanayak	Presentation (3.45-3.55) PM IST Discussion (3.55-3.58) AM IST	<a href="https://meet.google.com/mku-ztuj-xjb">https://meet.google.com/mku-ztuj-xjb</a>
5(T3)	Shubhajit Das, Sangeeta Das, Kakoli Roy	Investigation and modelling for energy consumption during conventional machining: A case study	Dr Shubhajit Das	Presentation (4.00-4.10) PM IST Discussion (4.10-4.13) AM IST	<a href="https://meet.google.com/msg-tzxr-yej">https://meet.google.com/msg-tzxr-yej</a>



14(T1)	Berihu Geberyohannes Abreha, Pinakeswar Mahanta and Gaurav Trivedi	PERFORMANCE IMPROVEMENT TECHNIQUES IN SHELL-AND-TUBE TYPE OF LHS UNIT	Berihu Geberyohannes Abreha	Presentation (4.00-4.10) PM IST Discussion (4.10-4.13) AM IST	<a href="https://meet.google.com/qbx-avvj-yme">https://meet.google.com/qbx-avvj-yme</a>
15(T2)	Rajaram Mohanty, Shantanu Kumar Mishra, Siba Shankar Mohapatra, Sasanka Choudhury, Binayak Pattanayak	Extraction of Silica(Sio <sub>2</sub> )from Coal fly ash by leaching and sintering technology	Rajaram Mohanty	Presentation (4.00-4.10) PM IST Discussion (4.10-4.13) AM IST	<a href="https://meet.google.com/mku-ztuj-xjb">https://meet.google.com/mku-ztuj-xjb</a>
6(T3)	Jagmeet Singh, Ashutosh Sharma, Ranchan Chauhan	Investigation of Thermo-Hydraulic Performance for Different arrangements of Ribs in Rectangular Solar Air Channel	Ashutosh Sharma	Presentation (4.15-4.25) PM IST Discussion (4.25-4.28) AM IST	<a href="https://meet.google.com/msq-tzxr-yej">https://meet.google.com/msq-tzxr-yej</a>
15(T1)	Debasish Dey and Bhagyashree Mahanta	RHEOLOGY OF POWER- LAW NANO-FLUID FLOW PAST A STRETCHING SHEET	Bhagyashree Mahanta	Presentation (4.15-4.25) PM IST Discussion (4.25-4.28) AM IST	<a href="https://meet.google.com/qbx-avvj-yme">https://meet.google.com/qbx-avvj-yme</a>
16(T2)	Suryaranjan Samantaray, Shantanu Kumar Mishra, Siba Shankar Mohapatra, Binayak Pattanayak	EXTRACTION OF SIO <sub>2</sub> FROM COAL FLY ASH BY USING SODIUM META SILICATE LEACHING AND SINTERING TECHNOLOGY	Suryaranjan Samantaray	Presentation (4.15-4.25) PM IST Discussion (4.25-4.28) AM IST	<a href="https://meet.google.com/mku-ztuj-xjb">https://meet.google.com/mku-ztuj-xjb</a>
2	<b>Tea break</b>			(4.30-4.45) PM IST	
7(T3)	Suriti Kumari, K. Boopathi, Nabin Sarmah	REPOWERING OF WIND FARM AND ITS ECONOMIC FEASIBILITY : A CASE STUDY	Suriti Kumari	Presentation (4.45-4.55) PM IST Discussion (4.55-4.58) AM IST	<a href="https://meet.google.com/msq-tzxr-yej">https://meet.google.com/msq-tzxr-yej</a>
16(T1)	Raj Sarath and J.S Jayakumar	STUDY OF BUBBLE DYNAMICS IN AERATED LIQUID STORAGE TANKS OPENED TO ATMOSPHERE	Raj Sarath	Presentation (4.45-4.55) PM IST Discussion (4.55-4.58) AM IST	<a href="https://meet.google.com/qbx-avvj-yme">https://meet.google.com/qbx-avvj-yme</a>
17(T2)	Arees Qamareen, Shah Shahood Alam and Mubashshir Ahmad Ansari	Effect of Obstruction Blockage ratio in a Suddenly Expanded Micro-combustor	Arees Qamareen	Presentation (4.45-4.55) PM IST Discussion	<a href="https://meet.google.com/mku-ztuj-xjb">https://meet.google.com/mku-ztuj-xjb</a>





				(4.55-4.58) AM IST	
8(T3)	Partha P Dutta, Priyom Goswami, A. Sharma, Polash P Dutta, Mrinmoy Gouom Baruah	COMPUTATIONAL PERFORMANCE ANALYSIS OF THE PERFORATED AND FLAT PLATES DOUBLE PASS SOLAR AIR HEATERS	Anindita Sharma	Presentation (5.00-5.10) PM IST Discussion (5.10-5.13) AM IST	<a href="https://meet.google.com/msq-tzxr-yej">https://meet.google.com/msq-tzxr-yej</a>
18(T2)	Amit Kanaujiya, Onkar Singh	Thermodynamic study for performance enhancement of supercritical carbon dioxide cycle	Amit Kanaujiya	Presentation (5.00-5.10) PM IST Discussion (5.10-5.13) AM IST	<a href="https://meet.google.com/mku-ztuj-xjb">https://meet.google.com/mku-ztuj-xjb</a>
9(T3)	Sanjeev K Vishwakarma, Sukumar Pati, Siddhartha Kosti	NUMERICAL ANALYSIS AND PERFORMANCE EVALUATION OF CAST STEEL BASED SENSIBLE HEAT ENERGY STORAGE SYSTEM	Sanjeev K Vishwakarma	Presentation (5.15-5.25) PM IST Discussion (5.25-5.28) PM IST	<a href="https://meet.google.com/msq-tzxr-yej">https://meet.google.com/msq-tzxr-yej</a>
19(T2)	Alok Kumar, Navarshi Mahanta, Abinash Mahapatro	THE INFLUENCE OF PRESSURE AND BED INVENTORY IN HYDRODYNAMICS OF FLUIDIZED BED UNIT	Alok Kumar	Presentation (5.15-5.25) PM IST Discussion (5.25-5.28) PM IST	<a href="https://meet.google.com/mku-ztuj-xjb">https://meet.google.com/mku-ztuj-xjb</a>
10(T3)	Honey Brahma, Nabin Sarmah	SPECTRUM BASED 3D THERMAL MODELLING OF THE PV MODULE: SIMULATION AND EXPERIMENTAL STUDY	Honey Brahma	Presentation (5.30-5.40) PM IST Discussion (5.40-5.43) AM IST	<a href="https://meet.google.com/msq-tzxr-yej">https://meet.google.com/msq-tzxr-yej</a>
20(T2)	Pavitra Singh , Pankaj Kalita , Pinakeswar Mahanta	STUDY OF AGRICULTURAL PRODUCT DRYING IN A ROTATING FLUIDIZED BED IN STATIC GEOMETRY DRYER WITH AND WITHOUT SLITS	Pavitra Singh	Presentation (5.30-5.40) PM IST Discussion (5.40-5.43) AM IST	<a href="https://meet.google.com/mku-ztuj-xjb">https://meet.google.com/mku-ztuj-xjb</a>
11(T3)	Plabon Tamuly, Pinakeswar Mahanta	STUDY OF HYDRODYNAMIC BEHAVIOUR OF TEA IN A CONICAL BUBBLING FLUIIZED BED DRYER	Plabon Tamuly	Presentation (5.45-5.55) PM IST Discussion (5.55-5.58) AM IST	<a href="https://meet.google.com/msq-tzxr-yej">https://meet.google.com/msq-tzxr-yej</a>
12(T3)	Biswajyoti Das, P. Mahanta, P. S. Robi	An overview of the methods of enhancement of the reaction kinetics of Al-water reaction in an aqueous medium and the prospect of the economic viability	Biswajyoti Das	Presentation (6.00-6.10) PM IST Discussion (6.10-6.13) AM IST	<a href="https://meet.google.com/msq-tzxr-yej">https://meet.google.com/msq-tzxr-yej</a>
3	<b>Valedictory</b>			6.30 PM IST	<a href="https://meet.google.com/mkt-mtex-fsr">https://meet.google.com/mkt-mtex-fsr</a>



### CONTACT DETAILS FOR ANY QUERIES

DATE	Track	TIME	VOLUNTEER	CONTACT DETAILS
26.11.2020	T1	16:30-18:45	RAJARAM MOHANTY	MOBILE NO.- 6033589499 E-mail - <a href="mailto:rajarammohanty567@gmail.com">rajarammohanty567@gmail.com</a>
27.11.2020	T2	10:00-12:30	ARNAB DEB	MOBILE NO.- 9436332252 E-mail - <a href="mailto:arnabdeb93@gmail.com">arnabdeb93@gmail.com</a>
27.11.2020	T4	10:00-12:30	NIHAL SUMAN	MOBILE NO.- 8280269720 E-mail - <a href="mailto:nihalsuman96@gmail.com">nihalsuman96@gmail.com</a>
28.11.2020	T1	15:00-17:00	JYOTIKALPA BORA	MOBILE NO.- 8471846199 E-mail - <a href="mailto:jyotikalpa1994@gmail.com">jyotikalpa1994@gmail.com</a>
28.11.2020	T2	15:00-17:45	SANJIB KALITA	MOBILE NO.- 7638816568 E-mail - <a href="mailto:sanjibkalita.phd@nitap.ac.in">sanjibkalita.phd@nitap.ac.in</a>
28.11.2020	T3	15:00-18:45	ARNAB DEB	MOBILE NO.- 9436332252 E-mail - <a href="mailto:arnabdeb93@gmail.com">arnabdeb93@gmail.com</a>

**Conference Organizing Secretary**  
**TFRE 2020**  
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