ACES INDIA 2025 CONFERENCE

MR 1.02 (1st Floor)
HICC, Hyderabad

Date	Session	Time	Sub Track	Paper No.	Title
Day 1: 11 September 2025	Session 1	8:30-8:40	ACES 1,2,3	**Welcome Address by Group Chair - Mr Akhil Mehrotra**	
		8:40-9:00		160498	Generation of Green Hydrogen From Wastewater Utilizing Bismuth Vanadate Photocatalyst
		9:00-9:20		161154	Integrity Assessment of Corrosion and Mechanical Damage in Hydrogen Pipelines
		9:20-9:40		161447	State of Charge Estimation of Lithium-Ion Batteries Using Long Short Term Memory Networks: A Data Driven Approach
		9:40-10:00		159989	Challenges Faced in Recovering Energy With the Help of Expansion Turbine
		10:00-10:20		161307	Analysis of Mhd Flow Dynamics in a U-Bent Channel Under the Influence of Different Hartmann and Reynolds Numbers
		10.20-10.40		Session Summary	
	Common Plenary Sessions & Lunch				
	Session 2	2:10-2:30	ACES 1,2,3	161146	Effect of Swirl Ratio and Hydrogen Share on the Performance and Emissions of a Dual-Fuel Heavy-Duty Engine
		2:30-2:50		158498	Influence of a Deflector Plate on the Performance of an Arc-Elliptical Bladed Savonius Wind Turbine Rotor
		2:50-3:10		160996	Performance Analysis of Piezoelectric Energy Harvester Under Different Road Irregularities
		3:10-3:30		161177	Numerical Investigation of Mass Flow Rate and Geometry on Temperatures Within a Pressurized Hydrogen Cylinder During Refueling
		3:30-3:50		160975	Experimental Investigation and Insights Into the Behavior of Partially Immersed Components in Sodium
		3.50-400		Session Summary	
	Coffee Break				

	Session 3	4:40-5:00	ACES 1,2	159422	Hydrogen Penetration in India's Energy Basket- a Vital Step
		5:00-5:20		161387	Integrating Green Hydrogen Production From Wind Energy Into Gas Turbine Systems: An Efficiency and Cost Analysis
		5:20-5:40		160726	Effect of Biomass Fuel on Thermal Efficiency of Four Pan Jaggery Plant
		5:40-6:00		160567	Transient Analysis of Ev Batteries With Effective Thermal Management as per Vehicle Drive Cycles
		6:00-6:20		160736	Comprehensive Evaluation of Oxygenated Fuel in Conventional Ic Engine With Validation of Benefits in Terms of Tail Pipe Emissions and Full-Scale Performance
		6.20-6.30		Session Summary	
Day 2: 12 September 2025	Session 1	8:40-9:00	ACES 2	160712	Performance Investigation and Energy Saving Analysis of Novel Geometry Counter Flow Dew Point Evaporative Cooler
		9:00-9:20		159411	E(a)pu-Noiseless Electric Auxiliary Power Unit for Airplanes
		9:20-9:40		161394	Numerical Study of Vortex Dynamics in the Wake of Vertical Axis Wind Turbines
		9:40-10:00		161251	Quantification of Power From Vortex-Induced Vibration of Elliptical Cylinders Mounted on a Cantilever Beam at Different Aspect Ratios
		10:00-10:20		160105	Prediction of CO2 Absorption Capacity of ZNO and SIO2 Nanofluids by Artificial Neural Network
		10.20-10.30		Session Summary	
	Common Plenary Sessions & Lunch				
	Session 2	11:10-11:30	ACES 2	160884	Innovative Design and Computational Fluid Dynamics Analysis Of Electromagnetically Formed Metallic Bipolar Plates for High Performance Proton Exchange Membrane Fuel Cells
		11:30-11:50		161086	Computational Fluid Dynamics Investigation of Metallic Flow Field Bipolar Fabricated via Electromagnetic Forming for Proton Exchange Membrane Fuel Cells
		11:50-12:10		159370	Green Hydrogen Blending with "LPG" cum PNG for Industrial Heating: Unique Case Study Being "Implemented"
		12:10-12:30		Invited Talk : Clean Energy Technologies & Systems Invited Talk by Mr. Neeraj Tiwari (Honeywell UOP India Pvt Ltd)	
		12:30-12:50			
	Coffee Break				