

Thursday, 20th July 2017

Time	Session 1	Session 2	Session 3
	Product Design - Engine	Modeling & Analysis	New Metals and Alloys
11:00 - 11:20	The future of the internal combustion engine after "diesel-gate" 2017-28-1933 Boretti Alberto, West Virginia Univ.	Simulation and Validation of Propeller Shaft Mounting Brackets for Heavy Duty Commercial Vehicles 2017-28-1947 Suresh Kumar Kandregula, VE Commercial Vehicles Ltd	Starter Motor Light weighting through use of Alternate Materials 2017-28-1967 Senthil Ram N D, Comstar Automotive Technology Pvt, Ltd.
11:20 - 11:40	Performance Modification of Three Cylinder Diesel Engine Ge-Rotor Oil Pump through Rotor and PRV system 2017-28-1934 Thakur Anil, Mahindra & Mahindra Ltd	Weight Optimization of Fork and Axle of Main Landing Gear for an Unmanned Aerial Vehicle by Finite Element Analysis 2017-28-1949 Johnson Jose, CVRDE	Vibration analysis on magnesium alloy housing and analysis of resonant frequency on the housing between magnesium and aluminium alloy 2017-28-1969 Senthil Ram N D, Comstar Automotive Technology Pvt, Ltd.
11:40 - 12:00	Active Muffler for Single cylinder engine, using Electronic Throttle Control for Formula student Cars 2017-28-1935 V V Praveen, SRM University	Experimental and Numerical study on the Effect of Valve Angle of EGR on Exhaust Gas Flow 2017-28-1950 J Suresh Kumar, UCAL Fuel Systems, Ltd.	Formation of White Etching Area (WEA) using Pin-on-Disc Tribometer Under Dynamic Loading Condition 2017-28-1970 Sreeraj Kodoor, Indian Institute of Technology Madras
12:00 - 12:20	A SIMPLE AND COST EFFECTIVE ELECTRONIC FUEL INJECTION SYSTEM FOR REACTIVITY CONTROLLED COMPRESSION IGNITION (RCCI) ENGINES 2017-28-1940 Sankaralingam Ram kishore,	QUANTITATIVE EVALUATION OF STEERING SYSTEM RATTLE NOISE 2017-28-1952 Utkarsh Sharma, Mahindra & Mahindra Ltd	Enhancing the Tribochemical characteristics of chemically modified joboba oil with the addition of carbon based nanoparticle in Engine oil for Engine lubrication 2017-28-1971 Thirumalai kannan Kandaswamy, Assistant Professor / Mech, REC
12:20 - 12:40	Methodological Approach for Converting Conventional Powertrain Platform into an Electrified One. 2017-28-1943 Jaswal Anil Kumar, Mahindra & Mahindra Ltd	Effect of Injection Timing on Performance, Combustion and Emission Characteristics of a Direct Injection Diesel Engine Numerically using CONVERGE CFD tool 2017-28-1953 Tushar Narendra Puri Ing, VIT University	

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Time	Session 4	Session 5	Session 6
	Product Design - General	Modeling & Analysis	Friction and Wear / Corrosion and Surface Treatments
16:00 - 16:20	Vehicle Interior Space Optimization Through Occupant Seating Layout Apportioning 2017-28-1923 Satish Mudavath, Mahindra & Mahindra Ltd	Computational and Experimental Heat Transfer Investigation of Agricultural Tractors to Improve Comfort Conditions of Driver 2017-28-1929 Jegan Nehemiah, Tractors and Farms Equipments, Ltd. (TAFE)	Theoretical Wear Rate Prediction and Experimental Validation of Repeatedly Operated Solenoid Valve 2017-28-1973 Sakthivel B, UCAL Fuel Systems, Ltd.
16:20-16:40	Novel, Compact and lightweight plenum assembly for automobiles 2017-28-1924 Praveen Kumar, Mahindra & Mahindra Ltd	Parametrical and Tribological Investigation of Ring Parameters Using Ring Dynamics Simulation for Blow-by, LOC and Friction Reduction 2017-28-1954 Premkumarr Santhanamm, India Pistons Ltd.	COMBINED SPATTER AND IMMERSION TYPE OIL COOLING SYSTEM IN TRACTORS WITH MULTI DISC WET CLUTCH 2017-28-1976 Suresh Kumar N, Tractors and Farms Equipments, Ltd. (TAFE)
16:40-17:00	DMADV Approach for Design Optimization and Quality – Application and Adaptability In Indian Automobile Industry 2017-28-1930 Anil Kumar Jaswal, Mahindra & Mahindra Ltd	Experimental Analysis of Surface Morphology of Commercial Fuel Filter with Oxygenated Fuels 2017-28-1957 Anant Parashar, Vellore Institute of Technology	Ni-P Composite Plating on Piston ring for improved wear performance 2017-28-1977 M Malathi, IP Rings Ltd
17:00-17:20	Front Loading In-Vehicle Traffic light Visibility requirements for Driver as per Indian Road Standards 2017-28-1932 Ganesh Dharmar, Mahindra & Mahindra Ltd	PERFORMANCE PREDICTION OF ETHANOL POWERED ENGINE USING 1D THERMODYNAMIC SIMULATION 2017-28-1958 Jyothivel Giridharan, Ashok Leyland Technical Center	EXPERIMENTAL STUDY ON THE EFFECT OF THERMAL BARRIER COATING ON CYLINDER HEAD OF A SEMI-ADIABATIC DIESEL ENGINE 2017-28-1978 Stanley M Jerome, SRM University
17:20-17:40	Multi-objective optimization of two stage spur gearbox using NSGA-II 2017-28-1939 Maruti Patil, Indian Institute of Technology	Methodology to quantitatively evaluate the secondary ride characteristics of a vehicle 2017-28-1959 Abhishek Taluja, Mahindra & Mahindra Ltd	Experimental Analysis of Performance and Emission Characteristics of Tungsten Carbide Coated Piston 2017-28-1981 Sakthinathan Ganapathy, Anna University
17:40-18:00	Low Rolling Resistance Tires and their Impact on Electric Vehicles 2017-28-1941 Anil Kumar Jaswal, Mahindra & Mahindra Ltd	Front Loading of Foot Swing Envelop during egress to Vehicle Architecture 2017-28-1960 Satish Chandra Mudavath, Mahindra & Mahindra Ltd	

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Time	Session 7	Session 8	Session 9
	Product Design - NVH	Manufacturing Processes	Composite Materials
11:00 - 11:20	Analysis and elimination of howling noise in compact utility vehicle 2017-28-1922 S Nataraja Moorthy, Mahindra & Mahindra Ltd	Construction of a low cost cutting tool dynamometer and static calibration for measuring cutting force in a CNC milling machine 2017-28-1931 Shaul Hameed Syed, B S Abdur Rahman Crescent University	Taguchi Based Analysis on Hole Diameter Accuracy of Drilled Glass/Bahunia Racemosa Fiber Polymer Composites 2017-28-1983 J Ronald Aseer, Galgotias University
11:20 - 11:40	NOISE REDUCTION ON AGRICULTURAL TRACTOR BY SHEET METAL OPTIMIZATION 2017-28-1925 Asif Basha Shaik Mohammad, Tractors & Farm Equipment Ltd (TAFE)	Effect of cryogenic treatment of copper electrode on Electro-Discharge Machining 2017-28-1962 Pervaz Ahmed Mouda, B S Abdur Rahman University	Studies on Carbon Fiber Reinforced Aluminum Based Composites 2017-28-1984 Naveed Hussain, Lecturer Ibri College of Technology Oman
11:40 - 12:00	Reduction of Driveline Boom and Vibration of 40 seat Bustthrough Structural Optimization 2017-28-1926 Jos Frank, Mahindra & Mahindra, Ltd.	A study of Emission and Performance Characteristics on HCCI Engine using Methanol Blends 2017-28-1963 Pavan Bharadwaja Bhaskar, VNR VJJET	Fabrication and Experimental Analysis of Epoxy-Glass Fiber Composite Leaf Spring 2017-28-1985 Hemasunder Banka, Jayamukhi Institute of Technological Science
12:00 - 12:20	A Systematic Approach towards Engine Mounting system Vibration Isolation Performance Validation in Commercial Vehicles 2017-28-1928 Rajesh Babu Channamani, Ashok Leyland, Ltd.	Solid Lubricant Assisted Machining to Improve the Surface Quality 2017-28-1964 Rajaganesh Rammamoorthy, Schlumberger	Influence of Nano TiO2 particles on properties and behaviour of A356 2017-28-1986 Dinesh Paulraj, B S Abdur Rahman Crescent University
12:20 - 12:40	Noise source identification and exterior noise reduction of a commercial vehicle 2017-28-1936 Prasad Padavala, Ashok Leyland Technical Center	Implementation of Lean Approaches in Proto Body Build to Improve Productivity and Flexibility 2017-28-1965 Selvam G., Mahindra & Mahindra Ltd	Extraction and characterization of microfibers obtained from banana waste 2017-28-1987 Vigneshwaran K, Rajalakshmi Engineering College
12:40 - 13:00	Structure Borne Noise Optimization of Diesel Engine by Simulation 2017-28-1944 Asif Basha Shaik Mohammad, Tractors & Farm Equipment Ltd (TAFE)	3D Printing technique, an effective solution for robust and reliable engineering of trims 2017-28-1966 Praveen Kumar, Mahindra & Mahindra Ltd	Studies of Wear Behaviour of POM/Graphite and POM/MoS2 Composites 2017-28-1988 G Ramanjaneyulu, B S Abdur Rahman Crescent University