

## 9th SAEIndia International Mobility Conference



Feb 8-10, 2016 - India Habitat Center, Lodhi Road, New Delhi.

Tentative Schedule										
Date	8th Feb'16 (MONDAY)	9th Feb'16 (TUESDAY)					10th Feb'16 (WEDNESDAY)			
Venue	STEIN AUDITORIUM	JACARANDA 1	JACARANDA 2	SILVER OAK 1	SILVER OAK 2	MAGNOLIA	STEIN AUDITORIUM	SILVER OAK 1	SILVER OAK 2	CASUARINA
8:30 ~ 9:00							SESSION 17 Advanced Hybrid Systems	SESSION 18 (Chairman : Mr. Sanjay Deshpande) Advanced Vehicle Engineering-1	SESSION 19 (Chairman :Dr. Tapan Sahoo) Advanced Powertrain Engineering	
	Registration for SIIMC 2016/TOPTECH						2015-20-0058 Method for preliminary assessment about lifetime estimation of electronic components in Hybrid and EV applications Prashart Shinde, Omprakash Koto	2015-28-0051 Development and Validation of Mini-Channel Evaporator Model Integrated with TXV for R134a Mobile Air-Conditioning System Saskimar Multusany, Rangarajan Sriniasan, Lipendra Naithan, Senthillumar Pachanushu	2006-28-0015 Thermodynamic study of Turbocharger matching and combustion optimization for better Lo end Torque and high speed Power  Surendonath Mutta, M Sathiya Narayanan, Phýnak Cupta, K Manchakumar, Parag Dabhankar	Low
9:00 ~ 9:30							205-20-000 A Boad Map for Li-on hattery charger based on charging time, Battery life and safety flags? All Massiporalam	2015-28-015 A Halbamatical Model of Truck Tendem Bogis Suspension Bibn Alba Emer Kunskunds, Snette Nanstaguel	205-29-0098 White All approach of the Conduction of a Two Cylinder Naturally Applicated Disease Engine to Turbuchungs the Internative Configuration for Meeting Schiquest Emission Limits Parameter Configuration for Meeting Schiquest Emission Limits Parameter Configuration for Meeting Schiquest Emission Limits Parameter Configuration of Configuration Configuration (Configuration Configuration	
9:30 ~ 10:00	INAUGURAL Function	SESSION 1 (Chairman : Mr. A K Sehgal) Transmission Technologies	SESSION 2 (Chairman : Dr. Reji Mathai) Virtual Vehicle Development	SESSION 3 (Chairman : Mr. Navid Talib) Connect2vehicle	SESSION 4 (Chairman Dr. Madhusudan Joshi) Student session : Safety Enhancement Approach	_	2013-3-055 Experimental study on performance of a parallal deast hybrid which retrofitted with a single planetary gare train as an add-on transmission dips fame Cogit V Codit, P Remandagean 2015-20-075	2005-3-0-03 South Lis Solida  South Lis Solida Salak machine Architecture for Automotive body control South Lis Solidae Salak 2005-3-0-027	2006-3-0022  Consultation of Landaumer Based Diseased Dis	
		2015-28-0092 Influence of gear web and macro geometry on meah misalignment Weru Cand, Yopath Kumar Dewangan, Canasar Subramanian	2016-28-0044 Consideration of Indian Turbans in Vehicle Design Ashah Rawat, Ashninder Shigh, Hardep Singh, Despair Sharma	2055-29-0225 An Integrated Test Suite for Verification and Validation of Advanced Driver Assistance Systems	2016-28-0254 Radesign of Crash-Box for Enhanced Energy Absorption in Low Velocity Impact Altin Telands-Snikar Snikas Vinor Santha Suman Millennari		Design and development of all terrain hybrid vehicle for scientific expedition Rajash Sias, C. Janarthanar, P. Motovel, Gopkumar Kuttlinishnan, Gidugu Ramadass, Malayath Atmanant	Hydraulic Lift Arm Assembly Design for durability and Strain Correlation with the Physical Test  Whod Wirms, V Saranan, Dinash Radiar, Arun Mahajan, R Raja, Paniaj Panar, Ashok Kumar	Evaluation of numerical modeling strategy for prediction of backpressure across various configuration of diesel engine based after treatment system Ambarish Khot, Nibir Tripathi, Daniel Maciojinski, Sachin Sharma	
10:00 ~ 10:30		205-28-0012  Development of Test Method to Validate Synchronizer Ring Design for Torsional Fluctuations in Manual Transmission	2016-28-0178 Evaluation of Handling Characteristics of an Intercity Bus by Multi-Body Dynamic Simulations	Sagar Kitany, Vivoy Kaul, Sushart Rai, Vijender Kumar Saini, Permeet Singh, Resiaj Shyoran 2005-28-02:9 Fuel Quality and Quantity, Estimation of Fuel Adulteration and Fuel Quantity Accuracy	2016-28-0223 Advanced driver assistance systems		2015-28-0166 Functional safety in Inverter Hardware	2015-28-0058 Interior noise reduction in a passenger vehicle through mode modulation of backdoor		
		Maninder Pal Singh, Paramjeet Singh, Krishan Kumar, What Rawla 2006-28-0133 Cost and Weight Efficient Differential Housing for Off-Road Vehicles	Santosh Shankara Murthy, Monish M. H. Gouda, Hima Khan Vienna 2016-28-0226 Simulating Real World Driving: A Case Study on Delhi	Ram Namusie (iliyo Patil  2015-28-0220  Adaptive Algorithm for Effective Traffic Management	Aneesh Paut, Rohan Chauhan; Rituraj Sriusstava; Misjania Baruah  2015-28-0080  Independent Natural fibre composite energy absorber for pedestrian safety		SiRamiChandraMurthy Batchu	Ninad Pimpalihane, Gavan Kumar, Yuso Kishore Vaddi, Chetan Prakash Jain	Sub:	
10:30 ~ 11:00		Brij Mohan, Dinesh Redkar 2016-28-0128	Manish Kumar, Jadoir Singth, Wilson Khanna 2016-28-0340	Rahul Krishnan, Aniruddh Malpani BASE	Jean Rajendran Granaswamy, Kumaraswami Dhas		TEA Break (Exposition Visit)  By:			
		Offset Driveline for Tractors  Navneet Chaudhari, Sovendu Kumar Sethi, Rao Srinivasa	New Virtual Methodology for Analysis of Vehicle Cabin using 1-D Elements Naveen Sukumar, Sayak Mukherjier, Praneeth Kurisetty, Limashanker Gupta	PU solutions for Low VOC and Light weight in the Automotive Industry						Ву:
11:00 ~ 11:30	TEA Break (Exposition Visit)	TEA Break (Exposition Visit)					SESSION 20 (Chairman : Mr. U.D. Bhangale) Advanced Vehicle Engineering-2	SESSION 21 (Chairman : Mr. A V Mannikar) Safety Technologies	SESSION 22 (Chairman :Mr. K K Gandhi) Advanced Combustion Systems	Dr. Joseph Kanianthra
							205-29-0094 Dynamics of an Earthmoving Machine through Outright Articulation Solanto Mahal, Sagar Bhojine	2015-28-0136 Weight and cost effective FUPD design for N3 category vehicles Ajo John, Seethiningsgam Chandraselaran	2005-28-0001 In-Cylinder Air-Flow Characteristics using Tomographic PIV at different Engine Speeds, Intales Air temperatures and Intake Valve Deactivation in a Single Cylinder Optical Research Engine	
		SESSION 5 (Chairman : Mr. S K Mahindroo) Engine Sub System Technological Advancements	SESSION 6 (Chairman : Mr. Hemant Desai) Virtual Engineering Studies	SESSION 7 (Chairman : Mr. Ravishankar) Material & Manufacturing	SESSION 8 (Chairman : Mr. D. Balakrishnan) Student session : Green Technology		2010-20-2022 Effects of Excitation Violage on Piszarenistive and Resistive Sensor Output Characteristics Judislavon Rody, Morg Kuner Stoph, Saru Kuner Stoph	2015-20-000 Optimization of Bumper Beam Structure for Pedestrian Protection and Lew Speed Bumper Dayard.  Advance Struk, Emission Tuckur Rigiting Striph Durana	Albindro Prago Sight, Surah Gudsie, Ankazh Kumer Aparwal, Jindon Joshber of Technology 18th 3-3000. Int Spanninested Study of Microscopic Spray Characteristics of a GOI Injector Uning Phase Dopple Interferencetty 18th Shama, Ankazh Kumer Aparwal	
11:30 ~ 12:00		2055-28-01:00 Experimental and Numerical Study on Automotive Pleated Air Filters Ajlay Kumar Madisineni, Dipayan Das, Ravi Damodaran	2016-29-0072 Plassenger Car Water Wading Evaluation Using CFD Simulation Mohan Makana, Gausav Kumar, Felix Regin	205:52-0211 Challenges in machining Aluminium transmission gearbox housings – a structured solution approach using unconventional means Pracad M. Raq. Shalladi S. Kulkarni	2015-2-0140  In-Cylinder Combustion and Emission Characteristics of an Agricultural Dissel Engine Fuelled with Stends of Dissel and Oxidatively Stabilized Calophyllum Methyl Ester  Chimaya Misho, Navoen Kumar, Purna Misho, Bissa Kar		2015-28-0034 Mathematical model for Kinematic analysis of McPherson strut suspension Acityo Avant Patil	2005-28-004 Active and Passive Safety: An Overview on Establishing Safety Assessment Standards in India Kumanannamy Lidagu, Himanatha Reddy Saddala, Sidhar Lingan	2005-28-0013 A Performance, Combustion and Emission Study on HCCI Engine: Trends and Innovations Kierthikayan Sundharajan, Teaching: Kiehnaraj Janathanan, Vasanthakumar Pandlan, Madhankumar Diandpana, Kiabiyanaan Kanapara	
12:00 ~ 12:30	Keynote Presentations	2055-28-0113 Design Analysis & Parametric Optimization of Gerotor Oil Pump for Improving Volumetric	2016-28-0041 Methodology for establishing damage criteria using probability distribution function on component level tests: A case study	2015-28-0058 Research on source of noise during adjustment of automotive seating head restraint and its	2015-28-0044 Optimization of parameters for the Production of Biodiesel from Jatropha Oil		2015-28-0259 Tactile Sensor Array Design for Triple Seat Detection and Control	2015-28-0250 Design optimization of Hood System for Pedestrian Headform Protection	2016-28-0130 SCR Catalyst Volume Reduction of Vanadium for BSIV Emission Norms	_
	Sustainability (Clean Air Technologies)  KN1- Dr. Peter Heuser (FEV)	Anurag Karal, Kaarthic Kaundabahraman, Hamandkumar Rathi, Alak Muley  2056-2940+10	component level tasa-a casa susay  Ramsai Ramachandran, Ayan Bhattacharysa, Sukhchain Singh  2016-28-05-72	Councemeasure Nishant Katania, Kota Nageowara nao Puli, Pankaj Mahashwari, Sandeep Raina 2016-29.0066.	Autmeth Jain; Vinod S Sherekar, D Y Pall , Kamalkahore Vora  2016-78-0145		Eashan Bashi, Dr. Sanjay patil	Karelisch Yadav, Ruhi Thakur 2014-244051	Jyotimoy Burman, Sumit Arora, Munendra Parashar	
		Optimization of EGR cooler bracket weld line through combined measurement & simulation approach  Amit Chauchari, Pratisto P Ghans, Sachin Mangai, Prachi Lokare	Modeling of fixed displacement swash plate compressor: A mathematical approach towards calculation of shaft torque and volumetric efficiency Paharsh Sniastrus, Kamal Sharms, Raushan Jha	Phenomeno of Corrosion in Chrome Mated ABS Parts Vishad Uttam; Nilin Jain; Kishya Rasi	Experimental investigation to study the effect of properties of Coconut oil bio-diesel and Castor oil bio-diesel and its blending with diesel on the performance in a CI engine  Pathu Cheladural, V. Edwin Geo			205-26 IOS1 Optimization of Seatbelt Anchorage Mount Locations for Occupant Injury Reduction in Frental Crash Kintial Paci, Sina Rudsiy, Nadoem Zafar		
	KN2- Mr. John Roebuck (Horiba) KN3- Dr. Gunter Fraidl (AVL)	2015-28-0009 Analysis of potential of Sailing Functionality in Indian driving conditions Arnab Gloub, Athinhek Bhatis, Srindith Suresh		2015-28-009) Evaluation & Performance Criteria of Monofilament Yarn in Automotive Seating System Praveen Kumar Gupta, Pankaj Mahashwari, Sarita Kumari	2015-28-01-98 Effect of different fuels on the unburned HC emission from SI engine: A theoretical study Garina Kushvalla, Samir Saraonati	ТОРТЕСН				
	KN4- Mr. Sakashita (Denso) KN5- Mr. Murali Arikara (Essential Energy)	205-28-008 Computation and Validation of In-cylinder Flowfield, Swirl and Flow Coefficients for a Naturally Aspirated Single Cylinder Diesel Engine		2005-28-0214 Migration phenomenon in gear teeth of hypoid crown wheels (ring gears) – controlling and eliminating the same in manufacturing	2016-28-0024	Subject:		LUNCH Break		
		Saa triston Balis Discoving, Scriptoropera Standard, Charles Baroling; Charles Runding; Cha				CRASH SAFETY				
13:00 ~ 13:30	LUNCH Break (Exposition Visit)				By: Dr. Joseph Kanianthra					
13:30 ~ 14:00	LUNCH Break					Karnanana	PANEL DISCUSSION			
14:00 ~ 14:30	(Exposition Visit)	SESSION 9 (Chairman : Mr. Prasenjit Khan) Engine Improvement Studies	SESSION 10 Powertrain Simulation	SESSION 11 (Chairman : Mr. Sunil Malhotra) Powertrain NVH-1	SESSION 12 (Chairman : Dr. K C Vora) Student session : Vehicle Engineering - I		CLEAN AIR- 2030			
14:30 ~ 15:00		2015-29-0004 New control strategies to avoid Pre-Ignition in Higher CR engines Thiyagu Raghavan Ranjith Kumar, Ajay Nanayan Yadav	2016-28-0109  3016-28-0109  Amazic and Dynamic study of 4-cylinder Diesel Engine Crankshaft using FEM and Analytical approaches  Sureah Kumar Kandreegula, Sono Paroche, Suyak Mukherjee, Umaahanier Gupta,	20:5-28-0185 Analytical design and development of Automobile powertrain Mounts using Low-Fidelity calculators Automobile powertrain Mounts using Low-Fidelity calculators Autopon Veridachaber, David Neingut, Cordeny Singh Pahwa, Parth Lunia, Albihar Pasad, J	2016-28-0025 Emplementation of Fuzzy Logic Control in Semiactive Suspension for a Vehicle Using HATLAS STANLENK Shoutdhark Rasa(, Jayanth Japannohan, Sohan Apaale, Kiran P Wari		(Stein Auditorium)			
	K	Cylinder Diesel Engine	2015-28-0051 Thermal Radiation Heat Transfer Model and its Application for Automobile Exhaust Components	Ans. mm. 2255-229-02212 2255-229-02212 Improved Powertrain Mounts Position for Four Cylinder Engine Commercial Vehicle with Four Point Mounting Configuration						
	Keynote Presentations	Gopal Singh Rathore, Any Goet, Shara Ram Choudhary  2016-29-0112 Estimation of temperature and velocity uniformity of exhaust gases in heavy commercial velocide exhaust system having SCR after treatment technology	Sandip Sahoo, Alinhaw Kuchhal, Soliharan Vineeth, Vilkram Chauhan  2016-28-0227 Optimization of Engine Efficiency & Diesel Aftertreatment System Architecture using an Integrated System Simulation Approach	Kisan Salkrishna Mudak, Abir Majumdar, Amit Thakur, Chintamani A Mhaskar, Vikas Shardinaj, Rajish Shangala, Mahadev Panar, Rajir Aggarmal	Namare Pastop Single, Public Sagar, Kartikay Singh 2016-28-0056 Switching Algorithm aNd Cell DYnamics (S.A.N.DY), A Novel Approach for Optimum Stochasping Charging of a Libbium-Polymor Battery Pack for Hybrid (Electric Vehicles					
	Synergy (Connected Vehicle Technologies)	Chintamani A. Mhaskar, Neelkanth V. Marathe, Sonthil Kumar Ansmugaen 2015-28-0257	Om Parkach Sharchvaj, Clavid Slanca, Ketan Krishnamurthy, Saolian Holdenbaum 2016-28-0235 A Novel Approach for Flow Simulation and Back Pressure Prediction of Cold End Exhaust		Jainendo Mistro  2015-28-0079  Development of a Low-Fidulity Mathematical Simulation Model of a Series MEV using		VALEDICTORY			
	KN6- Mr. V. Srikrishnan (Bosch) KN7- Mr. James Remfrey (Continental) KN8- Mr. Derek De-Bono (Valeo)	Effect of Intaka Charge Temperature and EGR on MCCI Engine Fuelled with Diesel and Biodiesel Blend Althiendra Protop Single, Asinash Kumar Agarwal 2016-29-0019	A Novel Approach for Flow Simulation and Back Pressure Prediction of Cold End Exhaust System  Manish Diel; V Sundaram, S. Sathish Kumar		Development of a Low-Holdity Midthematrical Simulation Model of a Series HEV using MATLAR for Educational Purpose Paramjest Panuar		(Stein Auditorium)			
		Megatrend Fuel Economy: How to Optimize Viscosity with VI Improvers Frank Lauterwasser, Thorsten Bartels, Donald Smolenski, Michael Seemann								
15:30 ~ 16:00		TEA Break (Exposition Visit)								
16:00 ~ 16:30	TEA Break (Exposition Visit)	SESSION 13 (Chairman: Mr. S K Kalia) Powertrain NVH-2	SESSION 14 (Chairman : Ms. Pamela Tikku) Advanced Green Technologies	SESSION 15 (Chairman : Prof. Anup Chawla) Student session : Powertrain Engineering	SESSION 16 (Chairman: Prof. S Maji) Student session : Vehicle Engineering - II		HIGH TEA			
		2015-28-0143 Sustainable Polyurethane composite with Coconut fiber for NVH applications K. Krishnanocrity; V. Saishanker	2015-28-0152  Effect of Ethanol-Gasoline blends on Combustion and Emissions of a Passenger Car Engine at Part Load Operations  A S Ramadhas, Panit Kumar Singh, P Sakthiel, Raji Mathai, Aþy Kumar Sahgal	205:29.01:9 Downsizing of a Constant mesh Gear Box by introducing power flow technique with an Electronic Control System Ganesh Mishra, Annchal Arosa	2015-28-0:57 Anti-Pinch mechanism for power window Nithin Alex John, Mona Sharki, Sanjay A Patil					
16:30 ~ 17:00	Keynote Presentations	2015-28-0039 High Speed Booming Noise Reduction in Passenger Car By Application Of Cost Optimized NVH Solution	2015-28-015-4 Reformation of Eco-Friendly Automotive Brake Pad by using Natural Fibre Composites Arunkumar Mackenanan, Selakubramanian Naturajakundaran, Shakanakumar Ramanocrity	205-28-0123 Investigations on the effect of Piston Squish Area on Performance and Emission Characteristics of LPG fuelled Lean Burn SI Engine	2016-28-0032 Optimizing and Validating the Engine Performance and EmissionParameters on Engine Dynamometer through 1D Simulation of aMulti-Cylinder CNG Engine					
	Safety (Occupant & Pedestrian)	Vijay Antony John Britits Sudjeto Karmakiar, Madhan Muthuvenraiseamy, Solasubramanian Alatanjalaundaran 2015-29 (2023) Studies on Purge Noise Reduction in Vapor line using 1D Simulation	2016-28-0031 Development of Real Time Mild Hybrid Simulation Model using Battery in Loop	Rani Krishnaish, Perpatham Ekambaram, Pradeep Bhasier Jayapaul 2005-28-0005 Cooling System Optimisation of a Multi - Point Fuel Injection	Virugel Jacflav, Studham Konchan, Sukruf Tripse, Költorkumar Kavothekar, Adhein Discuss, Shallesh Sonskines 2005-39-0122 Optimization of Engine variables for Low Emissions of a 6 Cylinder Heavy Duty Dissel Engine					
	KN9- Dr. Joseph Kaniantra (Ex. NHTSA- US)	Sri Sina Sai Meduri, V Sundanam, S. Sathish Kumar	Ram Kinlan Sharma, Piansay Vierna, Anif Yadan, Mohammad Khan 2015-28-0035 Highrid Controls Comparison on HILs using a modular soft platform	M.A. Vaclivelu, C. Ramesh Kumar, C.D. Naiju	cognice Province Jain, Vinayak Kulkarni, Sachin Kulkarni, Ravindra Mahajian					
	KN10- Mr. Suresh Nandagopal (Autoliv) KN11- Mr. Geoffrey R Draper (GTB- Lighting)		myona Cararosa Companson da niisi salang a modular sone piadorem Rakshit Thukral, Ram Krishan Sharma, Mohammad Khan							
17:30 ~ 18:00										
18:30 ~ 21:00	Cultural Program & Gala Dinner□									