

Papers accepted in SAE Journals

12th International Conference on Engines & Vehicles

Product Code	Magazine External Code	Issue Month/Year	Volume	Issue Nbr	Paper/Presentation Title	Lead Author Last Name	Lead Author First Name	Lead Author Employer Name	Lead Author Country
2015-24-2389	SAE International Journal of Engines	November-15	V124-3EJ	5	Comparison between Internal and External EGR Performance on a Heavy Duty Diesel Engine by Means of a Refined 1D Fluid-Dynamic Engine Model	Baratta	Mirko	Politecnico di Torino	Italy
2015-24-2392	SAE International Journal of Engines	November-15	V124-3EJ	5	Knock and Cycle by Cycle Analysis of a High Performance V12 Spark Ignition Engine. Part 1: Experimental Data and Correlations Assessment	De Bellis	Vincenzo	Univ. of Naples Federico II	Italy
2015-24-2393	SAE International Journal of Engines	November-15	V124-3EJ	5	Knock and Cycle by Cycle Analysis of a High Performance V12 Spark Ignition Engine. Part 2: 1D Combustion and Knock Modeling	Bozza	Fabio	University of Naples	Italy
2015-24-2401	SAE International Journal of Engines	November-15	V124-3EJ	5	Investigation on the Potential of Quantitatively Predicting CCV in DI-SI Engines by Using a One-Dimensional CFD Physical Modeling Approach: Focus on Charge Dilution and In-Cylinder Aerodynamics Intensity	Dulbecco	Alessio	IFP Energies Nouvelles	Italy
2015-24-2403	SAE International Journal of Engines	November-15	V124-3EJ	5	LES Modelling of Spark-Ignition Cycle-to-Cycle Variability on a Highly Downsized DISI Engine	d'Adamo	Alessandro	Universita Degli Studi di Modena	Italy
2015-24-2415	SAE International Journal of Engines	November-15	V124-3EJ	5	Capturing Cyclic Variability in SI Engine with Group Independent Component Analysis	Bizon	Katarzyna Danuta	Cracow University of Technology	Poland
2015-24-2416	SAE International Journal of Engines	November-15	V124-3EJ	5	Spray and Soot Formation Analysis by Means of a Quasi-Dimensional Multizone Model in a Single Cylinder Diesel Engine under Euro 4 Operating Conditions	Finesso	Roberto	Politecnico di Torino	Italy
2015-24-2417	SAE International Journal of Engines	November-15	V124-3EJ	5	Soot Quantification of Single-Hole Diesel Sprays by Means of Extinction Imaging	Pastor	Jose V.	Universidad Politecnica de Valencia	Spain
2015-24-2422	SAE International Journal of Engines	November-15	V124-3EJ	5	Assessment of the Influence of GDI Injection System Parameters on Soot Emission and Combustion Stability through a Numerical and Experimental Approach	Cavina	Nicolo	University of Bologna	Italy
2015-24-2424	SAE International Journal of Engines	November-15	V124-3EJ	5	Simultaneous Control of Combustion Timing and Ignition Delay in Multi-Cylinder Partially Premixed Combustion	Ingesson	Gabriel	Lund University	Sweden
2015-24-2426	SAE International Journal of Engines	November-15	V124-3EJ	5	Offline and Real-Time Optimization of EGR Rate and Injection Timing in Diesel Engines	Finesso	Roberto	Politecnico di Torino	Italy
2015-24-2427	SAE International Journal of Engines	November-15	V124-3EJ	5	Turbocharger Control-Oriented Modeling: Twin-Entry Turbine Issues and Possible Solutions	Cavina	Nicolo	University of Bologna	Italy
2015-24-2429	SAE International Journal of Engines	November-15	V124-3EJ	5	Relating Knocking Combustions Effects to Measurable Data	Corti	Enrico	University of Bologna	Italy
2015-24-2435	SAE International Journal of Engines	November-15	V124-3EJ	5	Butanol-Diesel Blend Spray Combustion Investigation by UV-Visible Flame Emission in a Prototype Single Cylinder Compression Ignition Engine	Valentino	Gerardo	Istituto Motori CNR	Italy
2015-24-2436	SAE International Journal of Engines	November-15	V124-3EJ	5	Applying Advanced CFD Analysis Tools to Study Differences between Start-of-Main and Start-of-Post Injection Flow, Temperature and Chemistry Fields Due to Combustion of Main-Injected Fuel	Hessel	Randy	Univ. of Wisconsin	United States
2015-24-2439	SAE International Journal of Engines	November-15	V124-3EJ	5	Experimental Investigation on CNG-Diesel Combustion Modes under Highly Diluted Conditions on a Light Duty Diesel Engine with Focus on Injection Strategy	Garcia	Pablo	Lund University	Sweden
2015-24-2442	SAE International Journal of Engines	November-15	V124-3EJ	5	Lift-Off Length in an Optical Heavy-Duty Diesel Engine: Effects of Swirl and Jet-Jet Interactions	Lequien	Guillaume	Lund Univ.	Sweden
2015-24-2443	SAE International Journal of Engines	November-15	V124-3EJ	5	An Investigation of Radiation Heat Transfer in a Light-Duty Diesel Engine				
2015-24-2444	SAE International Journal of Engines	November-15	V124-3EJ	5	Nanostructure Analysis of In-flame Soot Particles under the Influence of Jet-Jet Interactions in a Light-Duty Diesel Engine	Zhang	YiLong	The University of New South Wales	Australia
2015-24-2451	SAE International Journal of Engines	November-15	V124-3EJ	5	Analysis of Thermal and Chemical Effects on Negative Valve Overlap Period Energy Recovery for Low-Temperature Gasoline Combustion	Ekoto	Isaac	Sandia National Laboratories	United States
2015-24-2458	SAE International Journal of Engines	November-15	V124-3EJ	5	Analysis of Soot Particles in the Cylinder of a Heavy Duty Diesel Engine with High EGR	Shen	Mengqin	Combustion Engines, Lund University	Sweden
2015-24-2460	SAE International Journal of Engines	November-15	V124-3EJ	5	Experimental Evaluation of Compression Ratio Influence on the Performance of a Dual-Fuel Methane-Diesel Light-Duty Engine	Di Blasio	Gabriele	Istituto Motori CNR	Italy
2015-24-2462	SAE International Journal of Engines	November-15	V124-3EJ	5	On the Acoustic Impedance of a Fibreless Sound Absorptive Element	Auriemma	Fabio	Tallinn University of Technology	Estonia
2015-24-2464	SAE International Journal of Fuels & Lubricants	November-15	V124-4EJ	3	Analysis of Averaging Methods for Large Eddy Simulations of Diesel Sprays	Farrace	Daniele	ETH Zurich	Switzerland

2015-24-2465	SAE International Journal of Engines	November-15	V124-3EJ	5	An Erosion Aggressiveness Index (EAI) Based on Pressure Load Estimation Due to Bubble Collapse in Cavitating Flows Within the RANS Solvers	Bergeles	George	City University	United Kingdom
2015-24-2472	SAE International Journal of Engines	November-15	V124-3EJ	5	Numerical Modelling of the In-Nozzle Flow of a Diesel Injector with Moving Needle during and after the End of a Full Injection Event	Papadopoulos	Nikolaos	University College London	United Kingdom
2015-24-2479	SAE International Journal of Fuels & Lubricants	November-15	V124-4EJ	3	Soot Investigation on Fish Oil Spray Combustion in a Constant Volume Cell	Malin	Maximilian		Norway
2015-24-2489	SAE International Journal of Fuels & Lubricants	November-15	V124-4EJ	3	A Comparative Analysis on Engine Performance of a Conventional Diesel Fuel and 10% Biodiesel Blends Produced from Coconut Oils	Woo	Changhwan	The University of New South Wales	Australia
2015-24-2491	SAE International Journal of Fuels & Lubricants	November-15	V124-4EJ	3	An Experimental Study on the Use of Butanol or Octanol Blends in a Heavy Duty Diesel Engine	Zhang	Tankai	Chalmers Univ of Technology	Sweden
2015-24-2502	SAE International Journal of Engines	November-15	V124-3EJ	5	Fluid Dynamic Comparison of AdBlue Injectors for SCR Applications	Liao	Yujun	EMPA	Switzerland
2015-24-2508	SAE International Journal of Engines	November-15	V124-3EJ	5	Cylinder Pressure Based Fuel Path Control for Non-Conventional Combustion Modes	Schaub	Joschka	FEV GmbH	Germany
2015-24-2512	SAE International Journal of Engines	November-15	V124-3EJ	5	Particle Emission Measurements from L-Category Vehicles	Giechaskiel	Barouch	Joint Research Centre, EC	Italy
2015-24-2513	SAE International Journal of Engines	November-15	V124-3EJ	5	Effects of n-Butanol and Isobutanol on Particulate Matter Emissions from a Euro 6 Direct-injection Spark Ignition Engine During Laboratory and on-Road Tests	Vojtisek-Lom	Michal	Czech Technical University	Czech Republic
2015-24-2520	SAE International Journal of Engines	November-15	V124-3EJ	5	Experimental Evaluation of an Advanced Ignition System for GDI Engines	Merola	Simona Silvia	Istituto Motori CNR	Italy
2015-24-2527	SAE International Journal of Engines	November-15	V124-3EJ	5	Experimental and Numerical Comparison of the Acoustic Performance of the Air Filter Box of a SI-ICE	Siano	Daniela	Istituto Motori CNR	Italy
2015-24-2532	SAE International Journal of Engines	November-15	V124-3EJ	5	Evaluation of Valve Train Variability in Diesel Engines	Ratzberger	Reinhard	Graz University of	Austria
2015-24-2536	SAE International Journal of Engines	November-15	V124-3EJ	5	Evaluation of Fuel Economy Potential of an Active Grille Shutter by the Means of Model Based Development Including Vehicle Heat Management	Bouilly	Julien	Toyota Motor Europe	Belgium
2015-24-2548	SAE International Journal of Alternative Powertrains	*2016 issue			Optimal Energy and Emission Management of a Diesel Hybrid Electric Vehicle Equipped with a Selective Catalytic Reduction System	Tschopp	Florian	ETH Zürich	Switzerland