

Product Code	Titolo	Autori	Magazine External Code	Volume	Issue Nbr
2017-24-0001	Two-Stage Ignition Occurrence in the End Gas and Modeling Its Influence on Engine Knock	Alexander Fandakov; Michael Grill; Michael Bargende; Andre Casal Kulzer	International Journal of Engines	V126-3EJ	4
2017-24-0012	Experimental and Numerical Assessment of Multi-Event Injection Strategies in a Solenoid Common-Rail Injector	Andrea Piano, Giulio Boccardo, Federico Millo; Andrea Cavicchi, Lucio Postrioti; Francesco Concetto Pesce	International Journal of Engines	V126-3EJ	4
2017-24-0014	Extension and Validation of a 1D Model Applied to the Analysis of a Water Injected Turbocharged Spark Ignited Engine at High Loads and over a WLTP Driving Cycle	Fabio Bozza, Vincenzo De Bellis; Pietro Giannattasio; Luigi Teodosio; Luca Marchitto	International Journal of Engines	V126-3EJ	4
2017-24-0021	Numerical Investigation on the Effects of Different Thermal Insulation Strategies for a Passenger Car Diesel Engine	Sabino Caputo, Federico Millo; Giancarlo Cifali, Francesco Concetto Pesce	International Journal of Engines	V126-3EJ	4
2017-24-0041	A 3D CFD Simulation of GDI Sprays Accounting for Heat Transfer Effects on Wallfilm Formation	Daniele Piazzullo; Michela Costa, Luigi Allocca, Alessandro Montanaro, Vittorio Rocco	International Journal of Engines	V126-3EJ	4
2017-24-0043	Generation of Turbulence in a RCEM towards Engine Relevant Conditions for Premixed Combustion Based on CFD and PIV Investigations	Thomas Kammermann; Jann Koch; Yuri M. Wright; Patrik Soltic; Konstantinos Boulouchos	International Journal of Engines	V126-3EJ	4
2017-24-0045	In-Cylinder Temperature Measurements Using Laser Induced Grating Spectroscopy and Two-Colour PLIF	Blane Scott, Christopher Willman, Ben Williams, Paul Ewart, Richard Stone; David Richardson	International Journal of Engines	V126-3EJ	4
2017-24-0051	Real Time Prediction of Particle Sizing at the Exhaust of a Diesel Engine by Using a Neural Network Model	Ferdinando Tagliatalata, Mario Lavorgna; Silvana Di Iorio, Ezio Mancaruso, Bianca Maria Vaglieco	International Journal of Engines	V126-3EJ	4
2017-24-0052	Investigation of Water Injection Effects on Combustion Characteristics of a GDI TC Engine	Nicolo Cavina, Nahuel Rojo, Andrea Businaro, Alessandro Brusa, Enrico Corti; Matteo De Cesare	International Journal of Engines	V126-3EJ	4
2017-24-0055	A Control-Oriented Knock Intensity Estimator	Enrico Corti, Claudio Forte, Gian Marco Bianchi, Lorenzo Zoffoli	International Journal of Engines	V126-3EJ	4
2017-24-0057	Model-Based Control of BMEP and NOx Emissions in a Euro VI 3.0L Diesel Engine	Roberto Finesso, Omar Marello, Ezio Spessa, Yixin Yang; Gilles Hardy	International Journal of Engines	V126-3EJ	5
2017-24-0061	The Reduced Effectiveness of EGR to Mitigate Knock at High Loads in Boosted SI Engines	James P. Szybist; Scott W. Wagnon; Derek Splitter; William J. Pitz and Marco Mehl	International Journal of Engines	V126-3EJ	5
2017-24-0062	Water Injection: a Technology to Improve Performance and Emissions of Downsized Turbocharged Spark Ignited Engines	Cinzia Tornatore, Daniela Siano, Luca Marchitto, Arturo Iacobacci, Gerardo Valentino; Fabio Bozza	International Journal of Engines	V126-3EJ	5
2017-24-0067	Soot Oxidation in Periphery of Diesel Spray Flame via High-Speed Sampling and HR-TEM Observation	Yoshiaki Toyama, Nozomi Takahata, Katsufumi Kondo, Tetsuya Aizawa	International Journal of Engines	V126-3EJ	5
2017-24-0072	Functional Requirements to Exceed the 100 kW/l Milestone for High Power Density Automotive Diesel Engines	Gabriele Di Blasio, Carlo Beatrice, Giacomo Belgiorno; Francesco Concetto Pesce and Alberto Vassallo	International Journal of Engines	V126-3EJ	5
2017-24-0077	A Kinetic Modelling Study of Alcohols Operating Regimes in a HCCI Engine	Matteo Pelucchi, Mattia Bissoli, Cristina Rizzo; Yingjia Zhang, Kieran Somers; Alessio Frassoldati; Henry Curran; Tiziano Faravelli	International Journal of Engines	V126-3EJ	5
2017-24-0079	Combustion Indexes for Innovative Combustion Control	Vittorio Ravaglioli, Fabrizio Ponti; Matteo De Cesare, Federico Stola; Filippo Carra and Enrico Corti	International Journal of Engines	V126-3EJ	5
2017-24-0085	Particulates Size Distribution of Reactivity Controlled Compression Ignition (RCCI) on a Medium-Duty Engine Fueled with Diesel and Gasoline at Different Engine Speeds	Jesus Benajes, Antonio Garcia, Javier Monsalve-Serrano, Vicente Boronat	International Journal of Engines	V126-3EJ	5
2017-24-0088	RCCI Combustion Regime Transitions in a Single-Cylinder Optical Engine and a Multi-Cylinder Metal Engine	Gregory Roberts; Christine Mounaim Rousselle; Mark Musculus; Martin Wissink, Scott Curran; Ethan Eagle	International Journal of Engines	V126-3EJ	5
2017-24-0094	Experimental and Numerical Investigation of the Engine Operational Conditions' Influences on a Small Un-Scavenged Pre-Chamber's Behavior	Guoqing XU; Yuri Martin Wright, Panagiotis Kyrtatos, Konstantinos Bardis; Michele Schiliro; Konstantinos Boulouchos;	International Journal of Engines	V126-3EJ	5
2017-24-0097	Fundamental Aspects of Jet Ignition for Natural Gas Engines	Epaminondas Mastorakos, Patton Allison, Andrea Giusti, Pedro De Oliveira; Sotiris Benekos, Yuri Wright, Christos Frouzakis; Konstantinos Boulouchos	International Journal of Engines	V126-3EJ	5
2017-24-0099	Characterization of Knock Tendency and Onset in a GDI Engine by Means of Conventional Measurements and a Non-Conventional Flame Dynamics Optical Analysis	Francesco Catapano, Paolo Sementa, Bianca Maria Vaglieco	International Journal of Engines	V126-3EJ	5
2017-24-0100	The Effect of Cycle-to-Cycle Variations on the NOx-SFC Tradeoff in Diesel Engines under Long Ignition Delay Conditions	Panagiotis Kyrtatos; Antonio Zivolic, Clemens Brueckner, Konstantinos Boulouchos	International Journal of Engines	V126-3EJ	5
2017-24-0104	Statistical Approach on Visualizing Multi-Variable Interactions in a Hybrid Breakup Model under ECN Spray Conditions	Daniel M. Nsikane; Kenan Mustafa, Andrew Ward; Robert Morgan, David Mason, Morgan Heikal	International Journal of Engines	V126-3EJ	5
2017-24-0109	Instantaneous Flow Rate Testing with Simultaneous Spray Visualization of an SCR Urea Injector at Elevated Fluid Temperatures	Nic Van Vuuren; Lucio Postrioti, Gabriele Brizi, and Federico Picchiotti	International Journal of Engines	V126-3EJ	5
2017-24-0118	Assessment of the Full Thermodynamic Potential of C8-Oxygenates for Clean Diesel Combustion	Marius Zobel; Stefan Pischinger; Benedikt Heuser	International Journal of Engines	V126-4EJ	3
2017-24-0140	Analysis of the Influence of Outdoor Temperature in Vehicle Cold-Start Operation Following EU Real Driving Emission Test Procedure	Roberto Aliandro Varella; Gonçalo Duarte, Patricia Baptista; Pablo Mendoza Villafuerte; Luis Sousa	International Journal of Commercial Vehicles	V126-2EJ	2
2017-24-0147	Development of an Innovative Combustion Process: Spark-Assisted Compression Ignition	Marco Chiodi, Andreas Kaechele; Michael Bargende; Donatus Wichelhaus, Christian Poetsch	International Journal of Engines	V126-3EJ	5
2017-24-0149	Evaluation of the Potential of Water Injection for Gasoline Engines	Fabian Hoppe; Matthias Thewes, Joerg Seibel, Andreas Balazs, Johannes Scharf	International Journal of Engines	V126-3EJ	5

Product Code	Titolo	Autori	Magazine External Code	Volume	Issue Nbr
2017-24-0151	Technology Comparison for Spark Ignition Engines of New Generation	Matteo De Cesare; Nicolo Cavina; Luigi Paiano	International Journal of Engines	V126-3EJ	5
2017-24-0152	Development of a High Performance Natural Gas Engine with Direct Gas Injection and Variable Valve Actuation	Mirko Baratta, Daniela Misul, Jiajie Xu; Alois Fuerhapter, Rene Heindl; Cesare Peletto; Jean Preuhs, Patrick Salemi	International Journal of Engines	V126-3EJ	5
2017-24-0157	In-Situ Measurements of the Piston and Connecting Rod Dynamics Correlated with TEHL-Simulation Techniques	Wolfgang Gross; Ahmad Rabanizada, Konstantin Markstädter; Harald Stoffels; Michael Bargende; Adrian Rienäcker	International Journal of Engines	V126-3EJ	5
2017-24-0159	A Model Approach to the Sizing of an ORC Unit for WHR in Transportation Sector	Davide Di Battista, Marco Di Bartolomeo, Carlo Villante, Roberto Cipollone	International Journal of Commercial Vehicles	V126-2EJ	2
2017-24-0160	A Controllable Engine Cooling Pump Based on a Magnetorheological Fluid Clutch	Mario Marchetti; Riccardo Russo, Salvatore Strano, Mario Terzo	International Journal of Engines	V126-3EJ	5
2017-24-0161	A New Piston Insulation Concept for Heavy-Duty Diesel Engines to Reduce Heat Loss from the Wall	Noboru Uchida and Hideaki Osada	International Journal of Engines	V126-3EJ	5
2017-24-0164	Evaluation of Different Turbocharger Configurations for a Heavy-Duty Partially Premixed Combustion Engine	Erik Svensson, Lianhao Yin, Per Tunestal, Marcus Thern, Martin Tuner	International Journal of Engines	V126-3EJ	5
2017-24-0169	The Recuperated Split Cycle - Experimental Combustion Data from a Single Cylinder Test Rig	Robert E. Morgan; Neville Jackson; Andrew Atkins; Guangyu dong, Morgan Heikal, Christopher Ienartowicz	International Journal of Engines	V126-3EJ	5
2017-24-0178	X-Ray Radiography Measurements of the Thermal Energy in Spark Ignition Plasma at Variable Ambient Conditions	Katarzyna E. Matusik, Daniel J. Duke, Alan L. Kastengren, Christopher F. Powell	International Journal of Engines	V126-3EJ	5

For further information authors can contact the SAE International editorial staff.

