



| Smart, In Situ, Wide Range Pressure Sensor for Advanced Engine Controls (2014-01-2167) |
|---|
| Development Trends for Commercial and Industrial Engines (2014-01-2325) |
| Emissions Performance and In-Use Durability of Retrofit After-Treatment Technologies (2014-01-2347) |
| Effects of Charge Motion, Compression Ratio, and Dilution on a Medium Duty Natural Gas Single Cylinder Research Engine (2014-01-2363) Jennifer Wheeler, Joshua Stein, and Gary Hunter |
| Development of a Phenomenological Dual-Fuel Natural Gas Diesel Engine Simulation and Its Use for Analysis of Transient Operations (2014-01-2546) |
| A Numerical Study on Detailed Soot Formation Processes in Diesel Combustion (2014-01-2566) |
| Description and Performance Analysis of a Flow Test Rig to Simulate Altitude Pressure Variation for Internal Combustion Engines Testing (2014-01-2582) |
| An Assessment of CFD Applied to Steady Flow in a Planar Diffuser Upstream of an Automotive Catalyst Monolith (2014-01-2588) |
| The Development of a Superheated Liquid Flash, Boiling (S.L.F.B) Engine for Waste Heat Recovery from Reciprocating Internal Combustion Engines (2014-01-2592) |
| Performance Sensitivity to Exhaust Valves and Turbine Parameters on a Turbocompound Engine with Divided Exhaust Period (2014-01-2597) |
| Stabilization of Highly Diluted Gasoline Direct Injection Engine using Innovative Ignition Systems (2014-01-2598) 1734 Guillaume Pilla and Loic Francqueville |
| Achieving Very Low PN Emissions with an Advanced Multi-Hole Injector Functionality and Adapted Spray Targeting Under High Fuel Pressure Conditions (2014-01-2605) |
| Formulation of a Knock Model for Ethanol and Iso-Octane under Specific Consideration of the Thermal Boundary Layer within the End-Gas (2014-01-2607) |

| Study of High-Compression-Ratio Engine Combined with an Ethanol-Gasoline Fuel Separation System (2014-01-2614) Kohei Kuzuoka, Tadashi Kurotani, Hiroshi Chishima, and Hirotsugu Kudo | 1773 |
|--|------|
| Combined Effects of Multi-Pulse Transient Plasma Ignition and Intake Heating on Lean Limits of Well-Mixed E85 DISI Engine Operation (2014-01-2615) Magnus Sjöberg, Wei Zeng, Daniel Singleton, Jason M. Sanders, and Martin A. Gundersen | 1781 |
| Advanced Ignition Systems Evaluations for High-Dilution SI Engines (2014-01-2625) | 1802 |
| On the Effects of EGR on Spark-Ignited Gasoline Combustion at High Load (2014-01-2628). Loic Francqueville and Jean-Baptiste Michel | 1808 |
| Effect of Relative Positions of Air-Fuel Mixture Distribution and Ignition on Combustion Variation in Gasoline Engine (2014-01-2629) | |
| Extending the NO _x Reduction Potential with Miller Valve Timing Using Pilot Fuel Injection on a Heavy-Duty Diesel Engine (2014-01-2632) | 1838 |
| Clemens Brückner, Panagiotis Kyrtatos, and Konstantinos Boulouchos Influence of EGR on Post-Injection Effectiveness in a Heavy-Duty Diesel | |
| Engine Fuelled with n-Heptane (2014-01-2633) | |
| A Study of HCCI Knocking Accompanied by Pressure Oscillations Based on Visualization of the Entire Bore Area (2014-01-2664) | 1863 |
| Impact of Spark Assistance and Multiple Injections on Gasoline PPC Light Load (2014-01-2669) Jesus Benajes, Bernardo Tormos, Antonio Garcia, and Javier Monsalve-Serrano | 1875 |
| Numerical Study of the Effect of Piston Shapes and Fuel Injection Strategies on In-Cylinder Conditions in a PFI/GDI Gasoline Engine (2014-01-2670) | 1888 |
| Noise and Emissions Reduction by Second Injection in Diesel PCCI Combustion with Split Injection (2014-01-2676) Takayuki Fuyuto, Masahiro Taki, Reiko Ueda, Yoshiaki Hattori, Hiroshi Kuzuyama, and Tsutomu Umehara | 1900 |
| Combustion Stratification with Partially Premixed Combustion, PPC, using NVO and Split Injection in a LD - Diesel Engine (2014-01-2677) | 1911 |
| (Dieseline) in a CI Engine (2014-01-2686) | |
| | |
| Multi-Plane Airflow Measurements in the Cylinder of a Tumble Based Engine (2014-01-2705) Graham Pitcher | |
| The Use of a Partial Flow Filter to Assist the Diesel Particulate Filter and Reduce Active Regeneration Events (2014-01-2806) | 1953 |

| Speciation of Nitrogen Compounds in the Tailpipe Emissions from a SI Car under Real World Driving Conditions (2014-01-2812) Ahmad Khalfan, Hu Li, and Gordon Andrews | 1961 |
|---|------|
| An In-Cycle based NO _x Reduction Strategy using Direct Injection of AdBlue (2014-01-2817) Kenan Muric, Ola Stenlaas, Per Tunestal, and Bengt Johansson | 1984 |
| Methodology for Modelling a Combined DPF and SCR Catalyst with the Porous Medium Approach in CFD (2014-01-2819) | 1997 |
| Numerical Modelling and Experimental Characterization of a Pressure-Assisted Multi-Stream Injector for SCR Exhaust Gas After-Treatment (2014-01-2822) Achinta Varna, Konstantinos Boulouchos, Alexander Spiteri, Panayotis Dimopoulos Eggenschwiler, and Yuri M. Wright | 2012 |
| The Investigation and Application of Variable Tumble Intake System on a GDI Engine (2014-01-2885) | 2022 |
| Numerical Analysis of a Downsized 2-Stroke Uniflow Engine (2014-01-9051) | 2035 |
| Analysis of Diesel Engine In-Cylinder Air-Fuel Mixing with Homogeneity Factor: Combined Effects of Pilot Injection Strategies and Air Motion (2014-01-9052) Pavlos Dimitriou, Weiji Wang, Jun Peng, Li Cheng, Matthias Wellers, and Bo Gao | 2045 |

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.