

The new MAN D26 marine engine for yachts and workboats

Stefan Löser, Bernd Huneke, Johannes Kleesattel, und Martin Zundel

Development of a new generation of GE's Jenbacher type 6 gas engines

Jürgen Lang, Peter Schäffert, Dr. Robert Böwing, Sandro Rivellini, Fabrizio Nota und Johann Klausner

Lean-burn direct injection natural gas engine control for transient applications

Panagiotis Katranitsas, Andrew Auld, Adam Gurr und Anthony Truscott

Prediction of burn rate, knocking and cycle-to-cycle variations of methane/hydrogen mixtures in stoichiometric and lean engine operation conditions

S. Hann, L. Urban, Dr. M. Grill und Prof. Dr. M. Bargende

Analysis of the influence of different common rail injector concepts on injection and mixture formation in a high-pressure / high-temperature spray chamber and a single cylinder research engine

Martin Drescher, Dr. Fabian Pinkert und Prof. Dr. Bert Buchholz

Enabling Stage III B engines (< 56 kW) for Stage V by SMF[®]-AR

Dominik Lamotte, Klaus Schrewe und Thomas Gornik

PM reduction over vanadium SCR

Alexander Feiling und Prof. Dr. Christian Beidl

Analysis of field-aged and artificially aged SCR catalysts for model development

Dr. Robert Bank, Uwe Etzien, Prof. Dr. Bert Buchholz, Dr. Georg Töpfer, Adrian Troeger und Prof. Dr. Horst Harndorf

Applying CAE technology to the medium-speed four-stroke engine development methodology at Niigata

Toshiyuki Saito und Dr. Satoru Goto

New MAHLE steel piston and pin coating system for reduced TCO of CV engines

Marco Maurizi und Dr. Daniel Hrdina

New ABB turbocharger series for large high-speed diesel engines

Michael Gisiger und Tobias Gwehenberger

Aspects of the development and application of ported fuel injection valves in large engines

Dr. Peter Christiner, Markus Schmitzberger, Claudia Gasselsdorfer, Christoph Kammerer und Michael Köhler

Potential for CO₂ reduction on a heavy-duty diesel engine for on-road applications: experimental investigations

Dr. Jonathan Borg, Dr. Wolfgang Gstrein, Dr. Harald Fessler und Philippe Zimmermann

Optimization of oil mist separation within the complete crankcase ventilation system

Stefan Ruppel, Daniel Schatz, Michael Wöhler, Dr. Alfred Schaadt und Jan Boekelmann

A catalytic evaporation process for in-cylinder soot and NO_x reduction in internal combustion engines

Robert Szolak, Ivica Kraljevic, Florian Rümmele, Dr. Alexander Susdorf, Eric Alexander Morales Wiemer, Dr. Achim Schaadt und Jan Boekelmann

Investigation of a ‘SCR-free’ system to meet the Stage IV and beyond emissions limits

Paolo Gatti, Simon Fagg, Richard Cornwell, Federico Millo, Giulio Boccardo, Daniele Porcu, Stefano Manelli, Christian Capiluppi und Andrea Marinoni

Developing a 55+ BTE Commercial Heavy-Duty Opposed -Piston Engine without a Waste Heat Recovery System

Dr. Gerhard Regner, Dr. Neerav Abani, Michael Chiang, Isaac Thomas, Nishit Nagar und Rodrigo Zermeno

Tagungsbericht

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