

Top 10 Best Paper Awards

BEST PAPER

2010-32-0053 / 20109053

Effect of Injection Pressure on Ignition, Flame Development and Soot Formation Processes of Biodiesel Fuel Spray

- Olawole Abiola Kuti, University of Hiroshima
- Wu Zhang, University of Hiroshima
- Keiya Nishida, University of Hiroshima
- Xiangang Wang, University of Xian Jiantong
- Zuohua Huang, University of Xian Jiantong

2010-32-0015 / 20109015

Reed Valve CFD Simulation of a 2-Stroke Engine Using a 2D Model Including the Complete Engine Geometry

- Dalibor Jajcevic, Graz University of Technology
- Raimund Almbauer, Graz University of Technology
- Stephan Schmidt, Graz University of Technology
- Karl Glinsner, BRP Powertrain
- Matthias Fitl, BRP Powertrain

2010-32-0004 / 20109004

Prediction Technology of Engine Power and Intake/Exhaust Noise Using 1D-Simulation for Small-Displacement Motorcycles

- Hiroshi Horikawa, Honda R&D Co. Ltd.
- Hideki Kido, Honda R&D Co. Ltd.
- Satoshi Iijima, Honda R&D Co. Ltd.
- Yasuo Murakami, Honda R&D Co. Ltd.

2010-32-0029 / 20109029

Establishment of Prediction Technology of Fatigue Strength in Roots of Internal Thread for Crankcase Assembly and Analysis of Cracking Mechanism in Roots of Internal Thread

- Hiroshi Kuribara, Honda R&D Co. Ltd.
- Junya Saito, Honda R&D Co. Ltd.
- Hideki Saito, Honda R&D Co. Ltd.
- Daisuke Sekiya, Honda R&D Co. Ltd.

2010-32-0064 / 20109064

Analysis of Port Injected Fuel Spray under Strong Cross Wind Using 2-D and Point Measurement Techniques

- Yasuo Moriyoshi, Chiba University
- Minoru Iida, Yamaha Motor Company Ltd.

2010-32-0087 / 20109087

A Further Approach to the Controlled Auto-Ignition Using a Chain of the Low-Temperature Combustion-Cycle

- Hideaki Morikawa, Honda R&D Co. Ltd.
- Yoichi Ishibashi, Honda R&D Co. Ltd.

2010-32-0088 / 20109088

Ignition Energy Development for a Spark Initiated Combustion System Capable of High Load, High Efficiency and Near Zero NOx Emissions

- William Attard, MAHLE Powertrain
- Jacob Kohn, MAHLE Powertrain
- Patrick Parsons, MAHLE Powertrain

2010-32-0093 / 20109093

Combustion System Development and Analysis of a Downsized Highly Turbocharged PFI Small Engine

- William Attard, University of Melbourne
- Elisa Toulson, University of Melbourne
- Ferenc Hamori, University of Melbourne
- Harry Watson, University of Melbourne

2010-32-0098 / 20109098

A Study on Controlling Ignition Characteristics of an HCCI Engine using a Two-component Fuel

- Kenji Saitou, Nihon University
- Akira Iijima, Nihon University
- Yasuhiro Otagiri, Nihon University
- Hideo Shoji, Nihon University
- Koji Yoshida, Nihon University
- Yusuke Takahashi, Nihon University

2010-32-0110 / 20109110

Rolling Friction of Low Resistance Tires

- Martin Egger, FH-OOE

Top 5 Best Presentation Award

BEST PRESENTATION

2010-32-0035 / 20109035

Exhaust System Simulation of a 2-Cylinder 2-Stroke Engine Including Heat Transfer Effects

- Dalibor Jajcevic, Graz University of Technology

2010-32-0014 / 20109014

CFD Study of Spray Design for a GDI High Performance 2-Stroke Engine

- Dalibor Jajcevic, Graz University of Technology

2010-32-0015 / 20109015

Reed Valve CFD Simulation of a 2-Stroke Engine Using a 2D Model Including the Complete Engine Geometry

- Dalibor Jajcevic, Graz University of Technology

2010-32-0030 / 20109030

Basic Investigations on the Prediction of Spray-Wall and Spray-Fluid Interaction for a GDI Combustion Process

- Martin Abart, Graz University of Technology

2010-32-0031 / 20109031

Prediction of Fatigue Failure in Multiaxial Stress States for Motorcycle Engines

- Kenji Nishio, Kawasaki Heavy Industries Ltd.