

The Best Paper Award

20119566 / 2011-32-0566

- Influence of Injection and Flame Propagation on
- **Combustion in Motorcycle Engine**
- Investigation by Visualization Technique –

Miki Yumoto

with Kazuhiro Goto, Shoichi Kato, Minoru Iida

YAMAHA MOTOR CO., LTD.





JSAE	SAE			
Paper #	Paper #	Title	Authors	Affiliation
20119510	2011-32- 0510	Estimation of Indicated Mean Effective Pressure Using Crankshaft Angular Velocity Variation	Kenji Nishida, Tetsuya Kaneko, Yoichi Takahashi, Koji Aoki	Honda R&D Co.,Ltd.
20119521	2011-32- 0521	Analysis of Supercharged HCCI Combustion Using a Blended Fuel Yoshida, Hideo Shoji		Nihon University
20119523	2011-32- 0523	Experimental Study on Mixture Formation and Ignition Processes of Spray Injected by Hole-Type Nozzle for DISI Engine		University of Hiroshima
20119525	2011-32- 0525	CFD investigation of the thermal behavior of a high performance bike engine Massimo Rosso		University of Modena, Ducati Motor Holding spa
20119538	2011-32- 0538	Research on Noise Reduction of Linkage Drive Gear in Extended Expansion Linkage Gaku Naoe, Kota Tokubi Engine		Honda R&D Co., Ltd.
20119559	2011-32- 0559	New Three-dimensional Piston Secondary Motion Analysis Method Coupling Structure Analysis and Multi Body Dynamics Analysis	Hirotaka Murakami, Narutake Nakanishi, Naoto Ono, Tomoharu Kawano	Honda R&D Co., Ltd.
20119564	2011-32- 0564	Development of Intake Air Pressure Sensorless Fuel Injection System for Small Motorcycles	Yuki Takano, Katsuhiro Utsugi, Kazuhiko Sakaguchi, Kenta Onishi	Honda R&D Co., Ltd.
20119566	2011-32- 0566	Influence of Injection and Flame Propagation on Combustion in Motorcycle Engine - Investigation by Visualization Technique -	Miki Yumoto, Kazuhiro Goto, Shoichi Kato, Minoru Iida	YAMAHA MOTOR Co., LTD.
20119570	2011-32- 0570	Research on Clogging Mechanism of Multilayered Fuel Filters and Extension of Filter Life Span in Ethanol Blended Fuel	Atsushi Ito, Hideaki Ando, Keita Kinoshita, Fujio Umebayashi, Tsubasa Ishii	Honda R&D Co., Ltd.
20119596	2011-32- 0596	Novel range extender concepts for 2025 with regard to small engine technologies	Alexander Trattner, Patrick Pertl, Stephan Schmidt, Takaaki Sato	Graz University of Technology, DENSO Automotive Deutschland GmbH





Paper #	Presenter	Title
20119538	Gaku Naoe	Research on Noise Reduction of Linkage Drive
20119550		Gear in Extended Expansion Linkage Engine
	Miki Yumoto	Influence of Injection and Flame Propagation on
20119566		Combustion in Motorcycle Engine – Investigation by
		Visualization Technique –
	Yoshiharu	Study of Methods to Enhance Energy Utilization
20119574	Takita	Efficiency of Micro Combined Heat and Power
	Takila	Generation Unit
20119585	Stephan	Charging and Powersport for Motorcycles: a
20119565	Schmidt	contradiction?
	luorgon	Different speed limiting strategies for 50cm ³ two-
20119587	Juergen Tromayer	wheelers and their impacts on exhaust emissions
		and fuel economy





The Best Collegiate Event Award

20119580 Kohei Izumi, Hiroshi Enomoto, Toshihiko Komatsuzaki

Effect of cylinder diameter of monotube-type MR-damper on the damping force change ratio and the response time

Kanazawa University

