

# High Quality Paper Awards



at Taipei Oct 8-10, 2013

Paper No.	Title	Author (Affiliation)
<b><i>The Best Paper Award :</i></b> 20139069 2013-32-9069	<b><i>Closed-Loop Combustion Control of a HCCI Engine with Re-breathing EGR System</i></b>	<b><i>Yusuke Nakamura, Dong-Won Jung, Norimasa Iida (Keio University)</i></b>
20139021 2013-32-9021	Effect of Spray/Wall Interaction on Diesel Combustion and Soot Formation in Two-Dimensional Piston Cavity	Kuichun Li, Masaki Ido, Yoichi Ogata, Keiya Nishida, Baolu Shi (University of Hiroshima), Daisuke Shimo (Mazda Motor Corporation)
20139041 2013-32-9041	Reduced-order Modeling of Intake Air Dynamics in Single-cylinder Four-stroke Engine	Shun-ichi Akama, Yasunori Murayama, and Shigeho Sakoda (Yamaha Motor Co., Ltd.)
20139046 2013-32-9046	The effect of surface morphology of cylinder bore surface on anti-scuffing property made by high pressure die-casting process using hyper-eutectic Al-Si alloy	Takehiro Uhara, Hirotaka Kurita (Yamaha Motor Co., Ltd.)
20139054 2013-32-9054	Influence of Fuel Properties on Operational Range and Thermal Efficiency of Premixed Diesel Combustion	Qian Xiong, Kazuki Inaba, Hideyuki Ogawa, Gen Shibata (Hokkaido University)
20139082 2013-32-9082	Application of Vacuum Assisted Carbide Dispersion Carbonitriding to Connecting Rods	Tsuyoshi Kubota (Yamaha Motor Co., Ltd.)
20139133 2013-32-9133	An Innovative Two-Stroke Twin-Cylinder Engine Layout for Range Extending Application	A. Abis, F. Winkler, C. Schwab, R. Kirchberger, H. Eichseder (Graz University of Technology)
20139166 2013-32-9166	Visualization and Spectroscopic Measurement of Knocking Combustion Accompanied by Cylinder Pressure Oscillations in an HCCI Engine	Akira Iijima, Mitsuaki Tanabe, Koji Yoshida, Hideo Shoji, Naoya Itoh, Akira Terashima, Tomoya Tojo (Nihon University)
20139172 2013-32-9172	Evaluation of the Performance of a Boosted HCCI Gasoline Engine with Blowdown Supercharge System	Shunsuke Gotoh, Tatsuya Kuboyama, Yasuo Moriyoshi (Chiba University), Koichi Hatamura (Hatamura Engine Research Office), Toshio Yamada (IDAJ Co., LTD.), Junichi Takanashi, Yasuhiro Urata (Honda R&D Co., LTD.)
20139173 2013-32-9173	Evaluation of Injury Risks and Benefits of a Crush Protection Device(CPD) for All-Terrain Vehicles(ATVs)	John W. Zellner, Scott A. Keschull, R. Michael Van Auken (Dynamic Research, Inc.)

## High Quality Presentation Awards

Paper No.	Title	Presenter (Affiliation)
20139037 2013-32-9037	Online engine speed based adaptation of air charge for two-wheelers	Christian Steinbrecher (Robert Bosch GmbH)
20139081 2013-32-9081	Numerical Investigations of Overexpanded Cycle and Exhaust Gas Recirculation for a Naturally Aspirated Lean Burn Engine	Denis Neher (University of Applied Sciences Karlsruhe)
20139132 2013-32-9132	Single Cylinder 25kW Range Extender as Alternative to a Rotary Engine Maintaining High Compactness and NVH Performance	Christian Hubmann (AVL List GmbH)
20139169 2013-32-9169	Predictive Simulation of PFI Engine Combustion and Emission	Hisashi Goto (Yamaha Motor Co., Ltd.)
20139172 2013-32-9172	Evaluation of the Performance of a Boosted HCCI Gasoline Engine with Blowdown Supercharge System	Shunsuke Gotoh (Chiba University)

## Taiwanese Special Awards

Paper No.	Title	Author (Affiliation)
20139058 2013-32-9058	Misfire Diagnostic Strategy for Motorcycles	Hsien-Chi Tsai, Bo-Yu Gao, Ming-Hao Chiang, Bo-Chiuan Chen, Yuh-Yih Wu (National Taipei University of Technology)
20139016 2013-32-9016	Design Methodology and Advantages of Centrifugal Type Decompression Device of Engine	Pochun Liu, Chih-Wen Yu and Yuwei Ning (Sanyang Industry Co., Ltd)

## The Best Poster Award

Poster No.	Title	Author (Affiliation)
2	Investigation of a Standard Lawn Mower Engine in Real World Operation	Hermann Edtmayer (Graz University of Technology)

## The Best Collegiate Event Award

Paper No.	Title	Author (Affiliation)
20139176 2013-32-9176	Developing Best Available Technology in a Flex-Fuel Snowmobile by using a Lean-Burn Miller Cycle	Matt Birt (Kettering University)