

Best Paper Award:

2016-32-0036 - Establishment of Fuel Economy Estimation Method Focused on Transmission Efficiency of Rubber Belt Type CVT Takamori Shirasuna, Ryoh Hatakeyama, Yukio Sakai, Honda R&D Co., Ltd.



Best Paper Runner Up:

2016-32-0033 - Measurement and Prediction of Heat Transfer Losses on the XMv3 Rotary Engine

Tiago J. Costa, Jorge Martins, Francisco Brito, Universidade do Minho; Mark Nickerson, Daniele Littera, Alexander Shkolnik, Nikolay Shkolnik, LiquidPiston Inc.;



Best Paper Runner Up:

2016-32-0044 - Research on Combustion Noise for Controlled Auto Ignition Engine Fueled with Natural Gas Effect of Stroke Bore Ratio and Ignition Timing Gaku Naoe, Honda R&D Co., Ltd.



Best Paper Runner Up:

2016-32-0045 - Mapping of Fuel Anti-Knock Requirements for a Small Remotely Piloted Aircraft Engine

Joseph K. Ausserer, Marc D. Polanka, Air Force Institute of Technology; Jacob Barnaski, Innovative Scientific Solutions, Inc.; Paul Litke, Air Force Research Laboratory



Best Paper Runner Up:

2016-32-0057 - Research on Severity Class Evaluation Based on Various Crash Situations Involved with Motorcycles for ISO 26262 Yuji Arai, Makoto Hasegawa, Takeshi Harigae, Japan Automobile Research Institute



Best Paper Runner Up:

2016-32-0070 - Improvement of the Thermal Durability of an Exhaust Gas Purifying Catalyst Using Size-Controlled Pt-Hydroxide Clusters Toyofumi Tsuda, Kazuya Miura, Akio Hikasa, Keiji Hosoi, Fumikazu Kimata, Suzuki Motor Corporation



Best Paper Runner Up:

2016-32-0067 - Multiscale, Multiphysics Computational Chemistry Methods Based on Artificial Intelligence Integrated Ultra-Accelerated Quantum Molecular Dynamics for the Application to Automotive Emission Control

Akira Miyamoto, Kenji Inaba, Yukie Ishizawa, Manami Sato, Rei Komuro, Masashi Sato, Ryo Sato, Patrick Bonnaud, Ryuji Miura, Ai Suzuki, Naoto Miyamoto, Nozomu Hatakeyama, Masanori Hariyama, Tohoku Univ.



Best Paper Runner Up:

2016-32-0071 - Development of Base Metal Catalyst and Its Compatibility Study for Motorcycle Applications

Koji Ueno, Hiroyuki Horimura, Akiko Iwasa, Honda R&D Co., Ltd.; Pascaline Tran, Ye Liu, BASF Corp.



Best Paper Runner Up:

2016-32-0093 - The Effect of Cooled Exhaust Gas Recirculation for a Naturally Aspirated Stationary Gas Engine

Denis Neher, Fino Scholl, Maurice Kettner, Karlsruhe University of Applied Sciences; Danny Schwarz, Markus Klaissle, Senertec Kraft-Warme-Energiesysteme GmbH; Blanca Gimenez Olavarria, University of Valladolid



Best Paper Runner Up:

2016-32-0096 - Mass Balancing Measures of a Linkage-Based Extended Expansion Engine Patrick Pertl, Michael Lang, Stephan Schmidt, Roland Kirchberger, Graz University of Technology



Best Presentation Award

Paul W. Rieger, Graz University of Technology 2016-32-0031 Analysis of Conventional Motorcycles with the Focus on Hybridization



Best Presentation Award

Stephan Schneider, German Aerospace Center 2016-32-0046

Development and Experimental Investigation of a Two-Stroke Opposed-Piston Free-Piston Engine



Best Presentation Award

Christian Steinbrecher, Robert Bosch 2016-32-0080 Improved Fuel Metering for Port Fuel Injection by Controlled Valve Operation



Best Presentation Award

Koichi Tanaka, Suzuki Motor Corporation 2016-32-0089 Development of Oil-Cooled Engine for Optimization of Engine Cooling System



Best Presentation Award

Alexander Winkler, University of Applied Sciences Upper Austria 2016-32-0027 Analysis of Low-Cost MEMS Accelerometer and Gyroscope Characteristics for Stochastic Sensor Simulation within Motorcycle Models



Best Poster Award

Patrick Fillips, University of Graz Emission Behaviour of Motorcycles under Real Conditions