

# *The Best Poster Award!!*

**Poster Number #1**

**Yusuke Miyauchi**

**Graduate School, Nihon University**

**Influence of Spatial Distribution of Ozone by  
Local Non-Equilibrium Plasma Discharge on  
Pressure Rise Rate of HCCI**

# *The Best Collegiate Event Award!!*

**20179087 / 2017-32-0087**

**Angela Claudia,**

**with Sangriyadi Setio, Wiranto Arismunandar, Rudy Ong, Adefrid Dwithama, Stefanus Adrian, Nu'man Amri Maliky, Jery Octavianus, Muhammad Alif Mabbrur, Michell Tjhoi**

**(Institut Teknologi Bandung)**

**Clean and Sustainable Energy for Small Urban Car**



# *Best Indonesian Paper Awards*

**20179076 / 2017-32-9076**

**Adyati Yudison (Institut Teknologi Bandung )**

**Motorcycle Emission Profiles in Bandung City,  
Indonesia**



# High Quality Presentation Awards!!

Paper No.	Title	Presenter
20179009 2017-32-0009	A Theoretical Study of Interaction between Platinum and Oxide Support for Exhaust Gas Purification Catalyst	Kazuya Miura (Suzuki Motor Corp.)
20179041 2017-32-0041	Current Findings in Measurement Technology and Measurement Methodology for RDE and Fuel Consumption for Two-Wheeler-Applications	Johannes Hiesmayr (Graz University of Technology)
20179052 2017-32-0052	Research on Misfire Detection Algorithms for Motorcycle Engine Firing at Uneven Intervals	Katsunori Tasaki (Keihin Corporation)
20179065 2017-32-0065	Enhanced Diagnosis for Small Engines	Riccardo Basso (Graz University of Technology)
20179086 2017-32-0086	Development of Low Fuel Consumption Tire for Small Motorcycles	Shinji Takayanagi (Honda R&D Co., Ltd.)

# High Quality Paper Awards!! (1)

Paper No.	Title	Authors
20179118 2017-32-0118	Study on the Suppression of Pressure Wave at Spontaneous Ignition of Gasoline Surrogate Mixture in a Rapid Compression Machine	Kohei Honda (Nihon University)
20179071 2017-32-0071	Simulation based optimization of a motorcycle drive train by the integration of a novel continuously variable planetary transmission	Juergen Tromayer (Graz University of Technology)
20179091 2017-32-0091	The Possibility for Realization of Dual Combustion Cycle for Spark Ignition Engine	Koji Yoshida (Nihon University)

# High Quality Paper Awards!! (2)

Paper No.	Title	Authors
20179041 2017-32-0041	Current findings in measurement technology and measurement methodology for RDE and fuel consumption for two-wheeler-applications	Johannes Hiesmayr, (Graz University of Technology)
20179113 2017-32-0113	Instantaneous Surface Temperature Measurement in Internal Combustion Engine Using Newly Developed Coaxial Type Thin-film Temperature Sensor	Daijiro Ishii, (Tokyo City University)
20179043 2017-32-0043	Practicability and Influencing Factors of a Lean Burn Mode for Two-Stroke Engines in Hand-Held Powertools	Pascal Piecha, (Graz University of Technology),

# High Quality Paper Awards!! (3)

Paper No.	Title	Authors
20179006 2017-32-9006	The Effect of Tempering Conditions on the Delayed Fracture Characteristics of Carburized Steels	Yoichi Inoue (Yamaha Motor Co., Ltd.)
20179092 2017-32-0092	Spectroscopic investigation of initial combustion stages in a SI engine fueled with ethanol and gasoline.	Adrian Irimescu (Istituto Motori-CNR)
20179057 2017-32-0057	ISO 26262 C Class Evaluation Method for Motorcycles by Expert Riders Incorporating Technical Knowledge Obtained from Actual Riding Tests	Maki Kawakoshi (Japan Automobile Research Institute)

# ***The Best Paper Award !!***

**20179119 / 2017-32-9119**

**Akira Iijima**

**with Takuya Izako, Takahiro Ishikawa, Takahiro Yamashita, Shuhei Takahata, Hiroki Kudo, Kento Shimizu, Mitsuaki Tanabe, Hideo Shoji  
(Nihon University)**

**Analysis of Interaction between Autoignition and Strong Pressure Wave Formation during Knock in a Supercharged SI Engine based on High Speed Photography of the End Gas**