

Dec.11 (Wed)

Room A (Cosmos)

Room B ("Lan"(Orchid))

Room C (Conference room1-2)

Room D (Conference Room 5-6)

*Presented in English

*Partly presented in English

9:20	Keynote Speech I 【Room E ("Himawari"(Sunflower))】					
	Moderator : Prof. Keiya Nishida (Univ. of Hiroshima)					
	Dr.Chris Atkinson (United States Department of Energy)					
	「Future Vehicle Powertrains –Employing New Engine Architectures and Connectivity–」					

10:20 Coffee Break (10:20-10:30)

No.	Ignition 1 Chairperson: Jun Hayashi (Kyoto Univ.)	No.	Diesel Spray 2 Chairperson: Yoichi Ogata (Hiroshima Univ.)	No.	Heat Transfer Chairperson: Tatsuya Kuboyama (Chiba Univ.)	No.	Modeling and Simulation Chairperson: Hidefumi Fujimoto (Mazda Motor Corporation)	
10:30	37	Influence of Molecular Structure of Cyclic Hydrocarbons on Low Temperature Oxidation Reaction of n-Heptane Michio Nakano (Nippon Institute of Technology)	46	Infrared high-speed imaging of radiation from combustion chamber wall impinged by diesel spray flame Tomoki Kinoshita (Meiji Univ.)	55	The Effect of Excess Air Ratio and In-Cylinder Water Injection on Wall Heat Transfer in SI Engine Tsuyoshi Nagasawa (Tokyo Institute of Technology)	64	Cancelled
10:55	38	Investigation on evaluation method of anti-knock property of fuel by zero-dimensional modeling Shunki Akasaki (Hiroshima Univ.)	47	Influence of change of diesel spray behavior on time history of heat release rate Masaya Ono (Tokushima Univ.)	56	Cancelled	65	Numerical analysis on particulate matter emissions from a DI gasoline engine at start conditions Ryunosuke Watanabe (Oita Univ.)
11:20	39	Effect of Different Compression Processes on the Auto-ignition Prediction of the PCCI Combustion Kaoru Miyoshi (Hiroshima Institute of Technology)	48	The development characteristics of diesel spray and flame with ultra-high pressure injection Tomohiro Takemura (The Univ. of Shiga Prefecture)	57	Investigation on Wall Heat Loss and Its Parametric Dependency Using Diesel Multi-Hole Nozzle Keiji Takagi (Tokai Univ.)	66	Three-dimensional simulations of fuel adhesion by in-cylinder post injection Kohei Yamaji (Osaka Univ.)
11:45	40	Expansion of the higher load limit of HCCI Combustion by EGR and PFJ using Rapid Compression Expansion Machine Shunichiro Hayashi (Kyushu Univ.)	49	Observations of Inversed-delta Fuel Injection Rate Diesel Combustion Hiroshi Sasaki (Chiba Institute of Technology)	58	Study of thermal efficiency improvement by multi-hole nozzle Kazunori Yoshitomi (Hino Motors, Ltd.)	67	CFD Calculation Accuracy of Diesel Spray Development and Mixture Formation Process Takanori Shimizu (Hiroshima Univ.)

12:10 Lunch Break (12:10-13:10)

No.	SI 2 Chairperson: Yuzuru Nada (Tokushima Univ.)	講演No	CI 2 Chairperson: Hiroshi Nakajima (Hino Motors, Ltd.)	No.	Lubricants 2 Chairperson: Akihiko Azetsu (Tokai Univ.)	No.	Measurement Chairperson: Takehiko Seo (Yamaguchi Univ.)	
13:10	41	Effects of blow-by gas reduction on engine performance Tomoya Takaki (Chiba University)	50	A study of Mixture Formation of a Diesel Engine with Multiple Injectors Combustion System Kazumasa Watanabe (New A.C.E Institute Co., Ltd.)	59	A Study on Consumption of Lubrication Oil Evaporates from Cylinder Liner in Engine Combustion Chamber Daigo Kobayashi (Tokyo City Univ.)	68	Behavior of Fuel Spray Injected by Tailpipe Injector for Post Treatment of Diesel Engine Emissions (7th Report) -Analysis of droplet behavior in the channel of diesel oxidation catalyst- Takumi Saraya (Doshisha Univ.)
13:35	42	Experimental Investigation of Emissions using FID and NDIR in Post-Oxidation Phenomena Kumar Madan (Chiba University)	51	Effect of inter-jet angle on combustion process of diesel spray Taichi Ishikawa (Kyoto Univ.)	60	Construction of Oil Transfer Model for Prediction of Oil Consumption Mechanism (First Report) Shuzo Sanda (Tokyo City Univ.)	69	Three dimensional measurement of near-wall velocity distribution in strong tumble of spark ignition engine Yoko Yamakita (Tokyo Institute of Technology)
14:00	43	An Experimental Analysis on Cycle-by-cycle Combustion Variations in a Gasoline Engine Yoshiya Inoue (Mitsubishi Motors Corporation)	52	Effects of inversed-delta injection using TAIZAC injector on Diesel engine performance Yuki Maruyama (Meiji Univ.)	61	A study on evaporation characteristics of engine oil (Third Report) Keita Tomotsune (Tokyo City Univ.)	70	Effect of the shape of ion probe on flame detection characteristics in 2-stroke gasoline engine Rio Kamei (Hiroshima Institute of Technology)
14:25	44	Study of Cycle-by-Cycle Knocking at High Speed Conditions of Gasoline Engines Takayoshi Kodama (Nissan Motor Co., Ltd.)	53	Development of Suction Air Improvement Technology using Atomization of UFB Water Ikumi Shigematsu (Kurume Institute of Technology)	62	Effect of Sliding Surface Profile of Piston Rings Shaped by Running-in on Friction Loss of Piston-Cylinder System Yuuri Gomi (Tokyo City Univ.)	71	Fuel Adhesion Evaporation of Flat-Wall Impinging Spray under High-Temperature and High-Pressure Conditions Luo Hongliang (Hiroshima Univ.)
14:50	45	Analysis of knocking in high compression ratio gasoline engine and realization of the full load SPPCCI (spark controlled compression ignition) combustion Tomonori Urushihara (Mazda Motor Corporation)	54	Influence of injecting hydrous ethanol into intake or exhaust port on combustion and exhaust of diesel engines Yuya Komatsu (Tokyo Institute of Technology)	63	The effect of DLC coating journal to improve seizure limit and reduce friction under fluid lubrication Hidemi Ogihara (Tokyo City Univ.)	72	High Response Time-series Measurement of Exhaust Gas Temperature History with Two-wavelength Laser Interferometry Kenta Matsumura (Okayama Univ.)

15:15 Coffee Break (15:15-15:30)

15:30	Forum II 【Room A(Cosmos)】					
	Moderator : Prof. Norimasa Iida (Keio Univ.)					
17:30	「Future high efficiency engine/2 stroke cycle and opposed piston engine」					

18:00	Banquet 【Room B ("Lan"(Orchid))】					
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