



2017 AARC International Symposium

Future Engine Technology

Date

11.24.(FRI), 2017

Venue

Bd. 38 Global Education Center for Engineers
BF 1 Multi-Purpose Auditorium
Seoul National University

Registration Fee

30,000 Won (Credit card only)
Lunch included

Sponsor

Advanced Automotive Research Center
Institute of Advanced Machines and Design
The Korean Society of Automotive Engineers



Advanced Automotive
Research Center



Institute of
IAMD Advanced Machines and Design



한국자동차공학회
The Korean Society of Automotive Engineers

Greetings Message

The worldwide CO₂ and emission regulations have become more stringent than ever. Due to the air pollutions in major cities in Europe and Asia caused by the usage of diesel and gasoline vehicles, several cities announced to ban internal combustion engines in the future. Even then, internal combustion engines will be the mainstream of powertrain all the way through 2030s or 2050s. Therefore, substantial reductions in NO_x, PM, and CO₂ of internal combustion engines are critical issues.

Advanced Automotive Research Center (AARC), Seoul National University has tried to provide opportunities to discuss future technologies and meet OEM's researchers from Japan and Korea specially focused on internal combustion engines. AARC would like to announce the 2017 International Symposium for FUTURE ENGINE TECHNOLOGY will be held on November 24th, 2017. This symposium will be the third annual event since 2015 and is jointly prepared by Prof. Kyongdoug Min and Prof. Yasuo Moriyoshi.

We invite companies and scholars of world's renowned leaders in automobile industries and academia from Japan and Korea to share future engine development and discuss the direction and future of car industry.

The objective of this workshop is to spread the awareness and necessity of engine development and to provide an opportunity for research scientists from both countries to exchange and discuss information regarding engines. Even with your busy schedule, I ask you to join us at this special occasion to discuss and share valuable information and it would be very much appreciated. I hope to see you on November 24th for AARC 2017 International Symposium on Future Engine Technology held at Seoul National University.

Director of Advanced Automotive Research Center,
Prof. Kyongdoug Min

Program

Time	Program	
08:30~09:25	Registration	
09:25~09:30	Opening	Prof. Kyoungdoug Min (Seoul National University)
09:30~10:00	Honda 1L Turbo-GDI and Future Engine Technology	Mr. Tomonore Niizato (Honda Motor)
10:00~10:30	Variable Valve Actuation System for the Next Generation Engines	Dr. Kyoungpyo Ha (Hyundai Motor)
10:30~11:00	Coffee Break	
11:00~11:30	Effect of Thermal Boundary Conditions on Knock Mitigation in SI Engines	Prof. Kyoungdoug Min (Seoul National University)
11:30~12:00	Research on Lean Burn and Cycle-to-cycle Variation in SI Combustion	Prof. Yasuo Moriyoshi (Chiba University)
12:00~13:30	Lunch Time	
13:30~14:00	Injection Strategy to Enhance Fuel Evaporation, Mixture Formation and Combustion of Diesel Spray	Prof. Keiya Nishida (Hiroshima University)
14:00~14:30	Advancement of Aftertreatment Technologies to Improve "Real World" Performance	Dr. Changhwan Kim (Hyundai Motor)
14:30~15:00	Coffee Break	
15:00~15:30	Applications of Hydrogen as an Additive on Internal Combustion Engine	Prof. Soonho Song (Yonsei University)
15:30~16:00	Engine Technologies to Achieve over 40% Thermal Efficiency in Toyota	Mr. Mitsuhiro Nomura (Toyota Motor)
16:00~16:30	HMG Next Generation Engines	Mr. Seungkook Han (Hyundai Motor)

MAP



Global Education
Center for Engineers

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- * Registration Fee (Lunch included): 30,000 Won (Credit card only)

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