

● TECHNICAL WORKSHOPS ●

Special Plan during JSAE/SAE 2007 F&L Meeting Sponsored by JAMA

TWS-A: *Clean Light-Duty Diesel Vehicles*

Monday, July 23, 13:45-15:45 TERRSA Hall

Diesel automobiles provide one pathway to reduced CO₂ emissions without sacrificing performance. The purpose of the workshop is to explore the options for making the diesel automobile clean and more competitive. The options that will be explored include advances in diesel combustion and engine management, diesel particulate filters, and NO_x reduction methods.

Moderator: **Timothy V. Johnson**, Corning Incorporated
Organizers: **Toyoshige Shibata**, Mitsubishi Motors Corporation
Yoshihiro Iwashita, Toyota Motor Corporation

Panelists:

- ◆ **Timothy V. Johnson**, Corning Incorporated
Title *Introductory Remarks*
- ◆ **Satoshi Watanabe**, Toyota Motor Corporation
Title *Technologies for Future Clean Diesel Engine*
- ◆ **Klaus-Peter Schindler**, Volkswagen AG
Title *TBD*
- ◆ **Brian Cooper**, Ricardo Consulting Engineers
Title *US Approach to Clean Light-Duty Diesels*
- ◆ **Yasuyuki Sando**, Honda R&D Co., Ltd.
Title *Clean Diesel Technology for Globalization*

TWS-B: *Injector Deposit (Future and Needs for Additives in Fuels)*

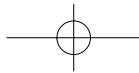
Tuesday, July 24, 13:00-16:00 Room: E-2B

A challenge to reduce emissions and to improve fuel efficiency are increasingly critical. Maintaining vehicle performances are also keys. Injector deposit is one of the highlighted areas where technologies of auto, oil and additive manufactures encounter. We are glad to plan a technical workshop regarding diesel and gasoline injector deposit and test methods.

Moderators: **Don Smith**, Barbican Technology
Keiichi Koseki, TonenGeneral Sekiyu K.K.
Organizer: **Keiichi Koseki**, TonenGeneral Sekiyu K.K.

Panelists:

- ◆ **Keiichi Koseki**, TonenGeneral Sekiyu K.K.
Title *DISI & Diesel Engine Deposit Test Method
Development Challenge for Global Test Method Development*
- ◆ **Avtar Panesar**, Lubrizol Limited
Title *Development of Peugeot DW10 Direct Injection Diesel Nozzle Fouling Test*
- ◆ **Masahiro Dairaku**, Infineum Japan Ltd.
Title *Euro V Detergency Requirements*
- ◆ **Joern Karl**, BASF Aktien Gesellschaft
Title *Diesel Performance Additives in Modern Engines and in Modern Fuel*
- ◆ **Brent Bailey**, Coordinating Research Council
Title *CRC Deposit Group Update*



TWS-C: Studies on Diesel Engine Oil for Stringent Emissions Regulations and Lubricant Impacts of Bio-fuel

Wednesday, July 25, 13:00-15:00 Room: E-2D

The purpose of the workshop is to discuss the direction of engine oil developments which meet stringent emissions regulations in the U.S., Europe and Japan. In addition, the workshop reports lubricant impacts on bio-diesel fuel and explores how it will be incorporated into engine oil developments.

Moderator: **Bengt Otterholm**, Volvo Technology Corporation

Organizers: **Jiro Magarifuchi**, Chevron Japan Ltd.

Yoshitaka Tamoto, Idemitsu Kosan Co., Ltd.

Panelists:

◆ **James McGeehan**, Chevron Global Lubricants

Title *API CJ-4 and Status of PC-11*

◆ **Bengt Otterholm**, Volvo Technology Corporation

Title *Development of ACEA European Oil Sequences*

◆ **Shuzo Nemoto**, TonenGeneral Sekiyu K.K.

Title *Study of Engine Oil Properties for Diesel After-treatment Devices (DPF, NSR, and SCR)*

◆ **Gary M. Parsons**, Chevron Oronite LLC

Title *Impact of Biodiesel Use on the Lubrication of Diesel Engines*

TWS-D: Hydrogenated Biodiesel Fuels

Monday, July 23, 10:15-12:15 Room: E-3A

By treating with hydrogen, vegetable oil and/or animal fat become next generation bio-diesels which are stable and very similar to light oil. Although Fatty-acid-methyl-ester is now accepted up to 5%, HBD seems more desirable. Oil companies and auto manufacturers are studying it. In addition, several oil companies will supply HBD this summer. In this workshop, topics of HBD will be presented and discussed.

Moderators: **Takeyuki Kamimoto**, Emeritus Professor, Tokyo Institute of Technology

Francis H. Palmer, International Fuels Quality Center, University of Leeds

Organizers: **Nobutaka Morimitsu**, Toyota Motor Corporation

Kenichiro Saitoh, Nippon Oil Corporation

Panelists:

◆ **Kazuhisa Mogi**, Japan Automobile Manufacturers Association

Title *Requirement to Bio-Diesel from Automakers*

◆ **Seppo Mikkonen**, Neste Oil Corporation

Title *NExBTL - Premium Quality 2nd Generation Hydrogenated Renewable Diesel Fuel*

◆ **Kuniyuki Terabe**, PETROBRAS

Title *H-Bio Process – Petrobras New Biofuel Technology*

◆ **Jennifer Holmgren**, UOP LLC

Title *New Developments in Renewable Fuels and Refining*

◆ **David O'Brien**, BP plc

Title *BP Biofuels Diesel Technology Strategy*

◆ **Kenichiro Saitoh**, Nippon Oil Corporation

Title *The development of Bio Hydro-fined diesel "BHD"*

◆ **Junichi Nishimura**, TonenGeneral Sekiyu K.K.

◆ **Takashi Tatsumi**, Tokyo Institute of Technology

◆ **Leon Halliburton**, Shell International Petroleum Company

