

2008 SAE Bio-fuels: Specifications and Performance Symposium
7-9 July 2008, Palais des Congres, Paris, France
(as of 23 June 2008)

Monday 7 July

Welcome & Keynote Addresses

- 18:00 **Tammy Klein**, Executive Director, Global Biofuels & Americas, International Fuel Quality Center, Global Biofuels Center
- 18:15 **Timothy Johnson**, Director, Emerging Regulations and Technologies, Corning, Inc.
- 19:00 **Welcome Reception**

Tuesday 8 July

- 08:55 **Opening Remarks**
Colette Wright, SAE Staff

- Session 1:** **Legislation – Low Carbon, Energy Security, etc.**
Moderator – Tammy Klein, Executive Director, Global Biofuels & Americas, International Fuel Quality Center, Global Biofuels Center

Biofuels in the EU: State of Play and the Role of Standards
Kyriakos Maniatis, Biofuels and Polygeneration , Unit D2 - Innovation and Technological Development in Energy, Directorate D - New and Renewable Energy Sources, Energy Efficiency & Innovation, DG TREN, European Commission

- 09:20 **US Transportation Fuel Goals and Energy Independence & Security Act 2007**
Wendy Clark, Fuels Performance Group Manager, National Renewable Energy Laboratory
- 09:40 **ERIA Energy Project – Standardization of Biodiesel for Automobiles in East Asia**
Koji Yamane, Professor, Department of Mechanical Systems Engineering, The Univ. of Shiga Prefecture
- 10:00 Panel Discussion
- 10:30 Coffee Break
- Session 2:** **Variations in Global Standards**
Moderator – Kenneth Rose, Technical Coordinator, Fuels Quality and Emissions, CONCAWE
- 11:00 **Welcome and “Set the Scene”**
Kenneth Rose, Technical Coordinator, Fuels Quality and Emissions, CONCAWE
- 11:05 **The European CEN Specification for Fatty Acid Methyl Esters (Biodiesel)**
Barry Cahill, Fuels Specifications Expert, formerly PSA Peugeot Citroen

- 11:25 **ASTM Biodiesel Specifications and International Biofuels Forum Tri-Partite Biodiesel Activity**
Steve Howell, President, MARC-IV Consulting
- 11:45 **Biofuel Standard in Asia**
Yasunori Takei, Material Engineering Division, Toyota Motor Corporation
- 12:00 **Biofuels Guidance from the WWFC Committee**
Ellen L. Shapiro, Director, Automotive Fuels, Alliance of Automobile Manufacturers
- 12:15 Panel Discussion and Questions from the Floor
- 12:30 Lunch
- Session 3:** **Fuel Quality at the Pump**
Moderator – **John Bennett**, Senior Technical Manager, Fuels, Afton Chemical Ltd.
- 13:30 **Fuel Quality at the European Pump**
Kenneth Rose, Technical Coordinator, Fuels Quality and Emissions, CONCAWE
- 13:50 **Bio Diesel Fuel Properties and their Impact on Emissions and Fuel System Components and Fuel Quality**
Mani Natarajan, Senior Chemical Engineer, Marathon Petroleum Company, LLC
- 14:10 **View and Future Plan for Bio-fuel Utilization in Japan**
Kenichirou Saitou, General Manager, Research & Development Planning Department, Nippon Oil Corp.
- 14:30 Panel Discussion
- 15:00 Coffee Break
- Session 4:** **Additives**
Moderator – **Rodica Faucon**, Fuels Affairs Manager, Renault SAS
- 15:30 **Additives for Biofuel Markets – Opportunities and Challenges**
John Bennett, Senior Technical Manager, Fuels, Afton Chemical Ltd.
- 15:50 **The Role of Fuel Additives in Addressing the Specification and Performance Requirements of Biofuels**
Simon Mulqueen, Technical Service Manager, Refinery & Performance, Innospec
- 16:10 **Does Increasing Biofuel Blending Demand New Additive Technology?**
Robert Quigley, Product Manager, Fuels, Refinery and Oilfield Products, Lubrizol Limited
- 16:30 Panel Discussion
- 17:00 **Special Presentation – Relative CO₂ Savings Comparing Ethanol and ETBE as a Gasoline Component**
Terrence Higgins, Executive Director, Refining & Special Studies, Hart Energy Consulting

17:30 Reception

Wednesday 9 July

08:55 **Opening Remarks**
Colette Wright, SAE Staff

Session 5: Passenger Cars and Other Light Duty Vehicles / Engines
Moderator – Richard Pearson, Technical Specialist, Lotus Engineering

09:00 **RENAULT's Experience with Biofuels Blends**
Rodica Faucon, Fuels Affairs Manager, Renault SAS

09:20 **Biofuels and Vehicle Performance**
Coleman Jones, Biofuel Implementation Manager, General Motors Corp.

09:40 **Compatibility of Engine Design for Higher Level Bio Diesel**
Yasu Takei, Toyota Motor Co. Ltd.

10:00 Panel Discussion

10:30 Coffee Break

Session 6: Heavy Duty Vehicles / Engines
Moderator – Anders Røj, Manager, Fuels & Lubricants, Volvo Technology Corp.

11:00 **Bio-Fuels in Caterpillar Engines**
Anton Zimmermann, Engine Research, Caterpillar

11:20 **Euro V and Future Euro VI Heavy Duty Diesel Engines and their Fuel/Biofuel Requirements**
Meinrad Signer, Deputy General Manager, IVECO Motorenforschung AG

11:40 **Biodiesel and Engine Performance**
Barbara Goodrich, Fuels Expert, John Deere Power Systems

12:00 Panel Discussion

12:30 Lunch

Session 7: Effect of Fuels and Lubricants Interactions on Performance
Moderator – Frank Palmer, Technical Director IFQC and Prof., Univ. of Leeds

13:30 **B5 Biodiesel Pilot Study using a Small Commercial Fleet**
Frank Gerry, Program Manager, BP Products North America

13:50 **Interactions between Biofuels and Lubricants and Effects on Engine Oil Durability**
Craig Jones, Project Manager, Engine Oils, Lubrizol Ltd.

14:10 **Bio fuel (FAME) Implications on Engine Oil Degradation and Engine Performance**
Bengt Otterholm, Lubricants Coordinator, Volvo

14:30 Panel Discussion

15:00 Coffee Break

Session 8:

Future Areas of Investigation

Moderator – Paul Richards, Research Fellow, Innospec Ltd.

15:30

Biofuels for Diesel Pathway: From Biodiesel to Ethanol

Xavier Montagne, Scientific Deputy Director, IFP

15:50

HCCI Combustion Characteristics and Fuel Properties of Biodiesel Fuels of Varying Composition

Bruce Bunting, Senior Staff Engineer, Oakridge National Laboratory

16:10

Potential Impacts of Biofuels on Emissions Control

John May, Technical Manager, AECC

16:30

Panel Discussion

17:00

Wrap Up Comments