

Outline of the 3rd Asian Petroleum Technology Symposium

Japan Petroleum Energy Center

1. Introduction

Japan Petroleum Energy Center (JPEC) is pleased to announce that the 3rd Asian Petroleum Technology Symposium will be held in Malaysia with the kind cooperation of co-organizers, PETRONAS Research & Scientific Services Sdn. Bhd. (PRSS) and Japan Automobile Manufacturers Association, Inc. (JAMA). The themes of this Symposium will be:

- (1) Contribution to the environmental improvement and sustainable development in Asian countries through "the Partnership for Clean Fuels and Vehicles" (PCFV) which is the global activities of United Nation Environmental Programme (UNEP),
- (2) To keep in close contact with Asian countries through technological information exchange.

2. Goal

To develop a coordinated project in Asia on cleaner fuels and vehicles

3. Objectives

- (1) To introduce, exchange and share the information with the participating countries in such fields of technologies as petroleum automotive fuels, clean fuels, vehicle engines, emission control, air simulation models and others which contribute to the environmental improvement.
- (2) Discussion about the above issues with emphasis on "Clean fuels (gasoline and diesel) for the air quality improvement", especially on low sulfurization of fuels
- (3) Discussion about "Technologies for new vehicles and clean fuels for the reduction of greenhouse gases" (such as hybrid vehicle, ethanol blended gasoline, bio-diesel, etc.) from the viewpoint of that the harmonization of vehicle technology and fuel technology is important to promote the environmental improvement activities

4. Date and Venue

- (1) Date : March 2nd – 4th , 2005
- (2) Venue : Palace of the Golden Horses, Kuala Lumpur, Malaysia
Address: MINES Resort City, Jalan Kuda Emas, 43300 Seri Kembangan, Selangor Darul Ehsan, Malaysia
Tel: +603-8943-2333 Fax: +603-8943-2666
Website: www.PlaceoftheGoldenHorses.com.my

5. Participating countries and organizations

Cambodia, Indonesia, Malaysia, Philippines, Singapore, Thailand, Vietnam, Japan,
Environmental Protection Agency of the United States (US-EPA), Asian Development Bank (ADB)
(Hopefully, three new countries, Brunei, Myanmar, and Laos will also participate.)

6. Organization

- (1) Organizer : Japan Petroleum Energy Center
- (2) Co-organizers : PETRONAS Research & Scientific Services Sdn. Bhd.
Japan Automobile Manufacturers Association, Inc.

7. Program Framework

The First day

- (1) Opening Ceremony
- (2) Plenary Session
 - A) Presentations concerning the main theme, "Cleaner fuel and vehicle technologies for air quality improvement"
 - B) Introduction of Working Group: "Task of Symposium and Working Group (WG)"
- (3) Working Group Session
 - A) Clean Fuel WG "Clean fuels (gasoline and diesel) for the air quality improvement"
 - a) Presentations concerning clean fuels
 1. Effects of low sulfurization of fuels (gasoline and diesel): JPEC: "Vehicle emission reduction with low sulfur fuels"
 2. US-EPA:
 - *1 The following items from b) to d) should be at least presented for all countries in this WG.*
 - *2 The current data related to fuel qualities of each country will be collected preliminarily for activating discussion by Symposium secretariat.*
 - *3 Any topics related to clean fuels of each country are welcome to be also presented in b), such as Fuel resources and Clean Air Project.*
 - b) Reporting of present situations, issues and future plans from each country
 - [Present situations and issues]
 - Present situation of fuel quality
 - Present situation of fuel supply
 - Issues of fuel supply
 - [Future plans]
 - Quality regulation plans
 - Fuel supply plans
 - [Discussion]
 - Problems and issues for achieving the plan
 - c) Evaluation of supply plans
 - Reporting of "Estimation of refinery upgrading investments for ASEAN countries"
 - Discussion about the result of estimation
 - d) Discussion about future plans
 - Supply plans, how to achieve the plan
 - Summary
 - B) Vehicle and Fuel WG "Technologies for the new vehicles and clean fuels for the reduction of greenhouse gases"
Technological matters will be presented by each country according to the following key titles;
Advanced engine technology, CNG and LPG engine, Bio-fuel technology and engine, Fuel and vehicle system

The Second day

Working Group Session (continued)

- (4) General Session
 - A) Presentation: US-EPA
 - B) Video show: "JCAP air quality simulation study"
- (5) Summary Session
- (6) Closing Address

The third day

- (7) Site visit
 - Visit to facilities related to the petroleum technology in Malaysia

Program (Tentative)

The First Day	
9:00 9:20	Opening Ceremony
9:30 - 10:30 10:45 - 12:30	<p>Plenary Session : Presentations</p> <p>JPEC: “Advanced technologies for producing sulfur-free diesel oil”</p> <p>JAMA: “Efforts of automotive industry for the environmental problem and importance of fuel quality”</p> <p>JCAP: “Development and application of air quality simulation technology”</p> <p>PETRONAS: “Petroleum history of PETRONAS”</p> <p>Prof. Arai: “Task of this Symposium and Working group: What is our target and what kind of information we should exchange? ”</p>
Working Group Session	
	<p style="text-align: center;">Clean Fuel WG Coordinator: Dr. Date, JPEC</p>
	<p style="text-align: center;">Vehicle & Fuel WG Coordinator: Prof. Arai, Gunma University</p>
13:30 - 15:00 0	<p>a) Presentation for clean fuels</p> <p>- Japan: “Vehicle emission reduction with low sulfur fuels”</p> <p>- US-EPA</p> <p>b) Reporting from each country</p> <p>“Present situations, issues and future plans of clean fuels (gasoline and diesel)”</p>
15:15 - 17:00 0	<p>Malaysia, Thailand, Singapore, Vietnam, Cambodia, Myanmar,</p>
	<p>Title: Advanced Engine Technology</p> <p>Speaker-1: Japan (JAMA): “Development of clean engine responding to the environmental improvement”</p> <p>Speaker-2: Japan (JPEC): “Effect of fuel quality on the advanced technology of diesel engine”</p>
	<p>Title: CNG and LPG Engine</p> <p>Speaker-1: Vietnam</p> <p>Speaker-2: Singapore</p>
The Second Day	
9:00 - 10:30 0	<p>(continued)</p> <p>Brunei, Indonesia, Philippines</p>
10:45 - 12:15	<p>c) Estimation of supply plans</p> <p>- “Estimation of refinery upgrading investment for ASEAN countries”</p> <p>- Discussion about estimation</p>
13:30 - 15:00 0	<p>d) Discussion about future plans</p> <p>- Supply plans</p> <p>- Summary</p>
15:30 - 17:00 0	<p>Title: Bio-fuel Technology & Engine</p> <p>Speaker-1: Thailand</p> <p>Speaker-2: Malaysia</p> <p>Speaker-3: Indonesia</p> <p>Speaker-4: Philippines</p> <p>Title: Fuel and Vehicle System</p> <p>Speaker-1: Cambodia</p> <p>Speaker-2: Myanmar</p> <p>Speaker-3: Brunei</p>
	<p>Presentation: (US-EPA: “Topics of PCFV Activities”)</p> <p>Video show: “JCAP Air Quality Simulation Study”</p> <p>Summary</p> <p>Closing</p>

Notation

- *1 The items from a) to c) should be at least presented for all countries in Clean Fuel WG.
- *2 The current data related to fuel qualities of each country will be collected preliminarily for activating discussion by Symposium secretariat.
- *3 Any topics related to clean fuels of each country are welcome to be also presented in a), such as Fuel resources and Clean Air Project.