OPEC R&D Forum
Technology Challenges, Opportunities and Collaboration

Vienna
7th – 8th May, 2013

Draft agenda

Tuesday, 7th May, 2013

8:00 Reception

8:45 Opening Statement by Director, Research Division: Technology developments and the implications to OPEC Member Countries

9:00 Session 1: R&D Management
(R&D portfolio, HR issues, IP & Licensing, best practice)

Keynote speaker:
Professor Max Rowe
Facilitate. Collaborate. Innovate

Speakers:
Dr. Christian Czychowski
Boehmert & Boehmert

Dr. A. Al-Ubaid
Saudi Development & Innovation Group (Former Executive Vice-President, SABIC Technology & Innovation)

10:30 Break
11:00 **Session 2: Upstream: Exploration and Production (EOR, Smart Field)**

*Keynote speakers:*
Mr. Stuart Clayton  
Shell Global Solutions International B.V.

Mr. François Kalaydjian  
IFP Energy

*Presentations by Member Countries:*
*Geological mapping of petroleum reservoir: an application of Case-Based Reasoning (CBR)*
Dr. Melio Sáenz  
Research Division and Latin America Center of Scientific Calculus and Industrial IT, Petroecuador, Ecuador

*Experimental and Numerical Modelling of Surfactant and Double-Displacement Oil Recovery in Fractured Carbonate Cores*
Dr. Ali M. Al-Sumaiti  
Assistant Professor, Petroleum Engineering Department, The Petroleum Institute, UAE

*Emerging EOR Technologies for Marginal Fields*
Dr. Mohammed Haroun  
Assistant Professor, Petroleum Engineering Department, The Petroleum Institute, Abu Dhabi

12:30 In-house lunch

13:30 **Session 3: Midstream (pipelines, storage, logistics, transport)**

*Keynote speaker:*
Peter Adam  
Siemens AG

*Presentations by Member Countries:*
*Software for the operation of the Trans Ecuadorian Pipeline System*
Dr. Melio Sáenz  
Research Division and Latin America Center of Scientific Calculus and Industrial IT, Petroecuador, Ecuador

*The Kingdom of Saudi Arabia Master Gas System (MGS)*
Mohammad Al-Haji  
Gas Processing Specialist, Saudi Aramco, Saudi Arabia

15:00 Break
15:30 **Session 4: Downstream**  
(petrochemicals, refining)

*Keynote speaker:*
Dr. Jeffrey S. Plotkin  
Nexant, Inc.

*Presentations by Member Countries:*
- Refining Industry in Iraq  
  Maher Bahjat Antwan  
  Iraq
- Engine Development Trends and the Implications for Future Transport Fuels  
  Amer Amer  
  Saudi Aramco, Saudi Arabia

19:00 Dinner at Restaurant Hansen hosted by OPEC

**Wednesday, 8th May, 2013**

8:30 **Opening remarks**  
Professor Dr. Pavel Kabat  
Director/CEO, International Institute for Applied Systems Analysis

9:00 **Session 5: Oil and the Environment**  
(water conservation, gas flaring, emissions)

*Keynote speaker:*
Prof. Dr. Detlef Bahnemann  
Gottfried Wilhelm Leibniz Universität Hannover

*Presentations by Member Countries:*
- Fadela Abdelmoumen  
  Manager, HSE/ Regulatory Agency for Hydrocarbon, Algeria
- *Saudi Aramco Flaring Mitigation Program*  
  Walid A. Al-Naeem  
  General Supervisor, Downstream Process Engineering Division, Saudi Aramco, Saudi Arabia
- *Carbon Capture, Utilization and Storage*  
  Abdallah Tawlah  
  Saudi Aramco, Saudi Arabia
- *Saudi Aramco Downstream Research on Carbon Management*  
  Tidjani Niass  
  Saudi Aramco, Saudi Arabia
10:30 Break

11:00 **Session 6: Energy savings and efficiency**  
(energy efficient processes, waste energy recovery, fuel switching)

*Keynote speakers:*
**Dr.-Ing. Ursula Schließmann**  
Biotechnology and Biochemical Engineering

**Dr. Ing Philipp Adomeit**  
FEV GmbH

*Presentations by Member Countries:*
**Zohra Bouhouche**  
Environment Focal Point, Ministry of Energy and Mines, Algeria

**Waste Heat Recovery**
**Dr. Ebrahim Al-Hajri**  
Assistant Professor, Mechanical Engineering Department, The Petroleum Institute, UAE

**Ecuador: Advances in research and energy efficiency projects**
**Eng. Marcelo Neira**  
Executive Director, National Institute for Energy Efficiency and Renewable Energy, INER, Ecuador

**Saudi Aramco Leadership in Energy Efficiency**
**Ali Al-Qahtani**  
General Supervisor, Energy Systems Division, Saudi Aramco, Saudi Arabia

12:30 In-house lunch

13:30 **Panel Discussion with Technology Experts**

14:30 **Brainstorming Session**  
(OPEC Member Country delegates and Secretariat staff only)