



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 Ecuatorian 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)