



CSLF Technical Workshop

Tuesday, May 2, 2017

Al Manaar Ballroom, Yas Viceroy Hotel, Abu Dhabi, United Arab Emirates

08:50-09:00

Welcome and Announcements

Meshayel Omran AlAli, Director of Future Energy and Security of Supply, Ministry of Energy, United Arab Emirates

09:00-09:10

Keynote Address

H.E. Dr. Matar Hamed AlNeyadi, Undersecretary, Ministry of Energy, United Arab Emirates

09:10-09:50

SESSION 1: STATUS OF CCUS – CURRENT AND FUTURE GLOBAL DEVELOPMENTS

Moderator: Meshayel Omran AlAli, Ministry of Energy, United Arab Emirates

Speakers:

Arafat Al Yafei, CEO, Abu Dhabi Carbon Capture Company (Al Reyadah), United Arab Emirates

Julio Friedmann, Senior Advisor for Energy Innovation, Lawrence Livermore National Laboratory, United States

SESSION 2: SPOTLIGHT ON CARBON CAPTURE

09:50-11:05

Panel 1: Carbon Capture Process: What and Where is Innovation Required?

Moderator: Tony SurrIDGE, Head, South African Centre for CCS, SANEDI, South Africa

Speakers:

Mohammad Abu Zahra, Assistant Professor of Chemical Engineering, Masdar Institute of Science and Technology, United Arab Emirates

Frank Morton, Director of Technology Development at the National Carbon Capture Center, The Southern Company, United States

Roy Vardheim, Managing Director, CO₂ Technology Centre Mongstad, Norway

11:05-11:20

Refreshments Break

11:20-13:00

Panel 2: Carbon Capture Process: Lessons Learned in Project Start-Up

Moderator: Jeff Erikson, General Manager – The Americas, Global CCS Institute

Speakers:

Case Study: Al Reyadah CCUS Project

Dipak Sakaria, Commercial & Business Development Manager, Abu Dhabi Carbon Capture Company (Al Reyadah), United Arab Emirates

Case Study: Shell Quest

Simon O'Brien, Quest Subsurface Manager, Shell Canada

Case Study: Petra Nova Project

Hidenori Oe, Petra Nova Parish Holdings/JX Nippon Oil & Gas Exploration Corporation, Japan
Tatsuya Tsubatani, JX Nippon Oil & Gas Exploration Corporation, Japan

Case Study: Boundary Dam Project

Ian Yeates, Director of CCS, SaskPower

13:00-14:30

Lunch

14:30-15:45

SESSION 3: CARBON UTILIZATION – CHALLENGES AND OPPORTUNITIES

Moderator: Mohammad Abu Zahra, Assistant Professor of Chemical Engineering, Masdar Institute of Science and Technology, United Arab Emirates

Speakers:

CO₂-Enhanced Oil Recovery (EOR) in Unconventional Plays

John Harju, Vice President for Strategic Partnerships, Energy and Environmental Research Center (EERC), University of North Dakota, United States

CO₂-EOR

Ammar J. Alshehri, Petroleum Engineer, EXPEC Advanced Research Center, Saudi Aramco, Saudi Arabia

CO₂ Utilization for Chemicals Production

Iliia Korobkov, Lead Scientist, SABIC, Saudi Arabia

15:45-16:00

Refreshments Break

16:00-16:55

SESSION 4: HOW TO GET COST-EFFECTIVE CCUS AT INDUSTRIAL SCALE

Moderator: Arafat Al Yafei, CEO, Abu Dhabi Carbon Capture Company (Al Reyadah), United Arab Emirates

Speakers:

Industrial CCUS in the UAE

I-Tsung Tsai, Assistant Professor of Engineering Systems and Management, Masdar Institute of Science and Technology, United Arab Emirates

Industrial CCS in Norway

Bjørn-Erik Haugan, Gassnova, Norway

16:55-17:00

Closing Remarks

Arafat Al Yafei, CEO, Abu Dhabi Carbon Capture Company (Al Reyadah)