

Global Dialogue



Nexus of Oil & Gas and Renewables in the Energy Future

**A two-day workshop hosted by
International Energy Agency (IEA) Gas & Oil Technology (GOT) Collaboration Programme,
the National Renewable Energy Laboratory, Joint Institute for Strategic Energy Analysis,
and the Colorado School of Mines**

AGENDA

When: 27-28 September 2017

Where: National Renewable Energy Laboratory, Golden, Colorado, USA



DAY 1: WEDNESDAY SEPTEMBER 27

Location: Research Support Facility (RSF), Room X320 Beaver Creek

8:30 – 9:00 AM – REGISTRATION AND BREAKFAST

9:00 – 9:15 AM – WELCOME AND INTRODUCTION

- **Jill Engel-Cox** – Deputy Director, JISEA, National Renewable Energy Laboratory
- **Jostein Dahl Karlsen** – Chairman of IEA Gas & Oil Technology Collaboration Programme

9:15 – 10:30 AM – KEY NOTE ADDRESSES

- **Bobi Garrett**, COO of NREL – Opening Remarks
- **Gov. John Hickenlooper**, Governor of Colorado – Keynote Address
- **Christophe McGlade** – IEA – Keynote Address

COFFEE BREAK – B2B NETWORKING

11:00 – 12:30 – INCORPORATING RENEWABLE ENERGY TECHNOLOGIES INTO OIL AND GAS OPERATIONS

Moderator: Pat Findle – Gas Technology Institute

- **Steven Geiger** – Solarlite
- **Stefan Wiemer** – Swiss Seismological Service
- **Jeff Logan** – Chief Analyst, Integrated Systems, NREL/JISEA
- **Michael Olsen** – Senior Director, Statoil

LUNCH

1:30 – 3:15 PM – RECOVERING AND USING PROCESS HEAT AND WATER IN OIL AND GAS OPERATIONS

Moderator: Greg Wilson, NREL

- **Susan Brodie** – Executive Director, Heat is Power Association
- **Phil Parilla** – Senior Scientist, NREL
- **Lanny Weimer** – Senior Product Manager, GE Power Water & Process Technologies
- **Tzahi Cath** – Professor, Department of Civil and Environmental Engineering, Colorado School of Mines

COFFEE BREAK – B2B NETWORKING

3:30 – 4:00 PM – FIRST DAY CLOSING DISCUSSION

Moderator: Jostein Dahl Karlsen

4:00 – 5:30 – TOUR OF NREL

Tour of NREL's Energy Systems Integration Facility and Science & Technology Facility

5:30 – ADJOURN TO RECEPTION

(via shuttle or personal transportation)

6:00 – 7:30 PM – NETWORKING RECEPTION

*Colorado School of Mines, Geology Museum
1310 Maple St, Golden*

- Welcome by **Rod Eggert**, Coulter Foundation Chair in Mineral Economics, Colorado School of Mines, and Deputy Director, Critical Materials Institute
- Optional tour by **Tzahi Cath** of lab for wastewater treatment research and geothermal desalination research

DAY 2: THURSDAY SEPTEMBER 28

Location: Research Support Facility (RSF), Room X320 Beaver Creek

8:30 – 9:00 – REGISTRATION AND BREAKFAST

9:00 – 10:15 – OPTIMIZED DELIVERY OF GAS AND RENEWABLE ELECTRICITY AND HEAT FOR UTILITIES

Moderator: Doug Arent, Executive Director, JISEA

- **Daniel V. Lee** – Senior Vice President, Fossil & Hydro Generation, American Electric Power
- **George Wayne** – Director Market Services, Kinder Morgan Pipeline Company
- **David Rosner** – Director Office of Energy Policy and Innovation, FERC
- **Wesley Cole** – Electric Systems Modeler/Analyst, NREL/JISEA

COFFEE BREAK – B2B NETWORKING

10:45 – 12:00 – PETROLEUM INDUSTRY INVESTMENT IN THE BUSINESS OF RENEWABLE ENERGY

Moderator: Bob Baldwin, Principal Scientist, NREL

- **Dave Cepela** – Global Business Development, Honeywell UOP's Renewable Energy and Chemicals
- **Chad Augustine** – Geothermal Analysis Team Leader, NREL
- **Ellen van der Veer** – Geo-Energy Consultant, TNO
- **John O'Donnell** – VP, Glasspoint

LUNCH

1:00 – 2:30 – NEXT STEPS IN THE GLOBAL DIALOGUE – A MODERATED DISCUSSION BY ALL PARTICIPANTS

Moderator: Jostein Dahl Karlsen

- **Griffin Thompson** – Office of Renewable Energy and Energy Efficiency, US Department of State
- **Paul Doucette** – Review of GOT Program of Work
- **All** – Discussion related to Renewable Energy and Oil and Gas Synergies

2:30 – 2:45 – CLOSING REMARKS

- **Jostein Dahl Karlsen** – GOT
- **Jill Engel-Cox** – NREL

3:00 – ADJOURN

3:15 – 5:00 – OPTIONAL OFF-SITE TOUR

*Tour of NREL's National Wind Technology Center
(via shuttle)*