NGI Annual Affiliates Meeting and Research Review
8 & 9 November 2017
Tresidder Memorial Union

Stanford map: https://campus-map.stanford.edu

DAY 1 – November 8th

8:00  Light Breakfast

8:30  Welcome and Introduction: Brad Ritts, Stanford

8:35  Opening Remarks: Steve Graham, Dean, School of Earth, Energy, and Environmental Sciences, Stanford

8:45  Opening Keynote: Natural gas, renewable energy, storage and energy grids: Kyle Isakower, API Vice President of Regulatory and Economic Policy

9:15  Highlights of Stanford Research: Economics, Global Markets, and Governance

9:20  Game-Based Simulation of the Gas-Fired Generation Mix With High Renewable Energy Shares: Mark Thurber, Stanford

9:45  Modeling global coal-natural gas competition: Frank Wolak, Stanford

10:10 Modeling the Economics of the Shale Revolution: What Have We Learned? Hill Huntington, Stanford

10:25  Break

10:40  Natural Gas Supply and the Industry Impacts of a Carbon Tax, Larry Goulder, Stanford

11:00  Session on Energy Access in the Developing World

11:00  Stanford activities and plans: Brad Ritts and Tisha Schuller, Stanford

11:30  Data powered rural electrification: Mansoor Hamayun, BBOXX CEO
12:00  Natural gas and the clean energy revolution: Mike Ming, Vice President Executive Liaison, Baker Hughes, a GE Company

12:30  Lunch

1:40  Stanford Research on Lifecycle Assessment in Energy Systems: Adam Brandt, Stanford

2:00  Global sensitivity analysis in complex systems: implications for unconventional reservoir production: Jef Caers, Stanford

2:35  Strategic directions in natural gas research: Eddie Johnston, Gas Technology Institute SVP of Research Highlights of Stanford NGI Research

3:05  Break

3:25  Highlights of Stanford Research in Natural Gas Technology

3:25  Microporous Ladder Polymers for Membrane Gas Separation: Yan Xia, Stanford

3:45  Engineering the Viscoelastic Flow of Fracing Fluids via Computer Simulation: Eric Shaqfeh, Stanford


4:35  Identifying and measuring methane emissions from oil and gas production: Adam Brandt, Stanford Professor of Energy Resources Engineering

5:00  Stewardship and Sensitive Habitat Mapping: Dan Domeracki, Schlumberger VP Government and Industry Relations

5:45  Introduction of Poster Session Thematic Areas: Brad Ritts, Stanford

5:45  Reception and Poster Session

7:30  Reception Concludes
DAY 2 – November 9th (morning only)

8:00  Light Breakfast

8:30  Welcome and Look Ahead: Mark Zoback, Stanford

8:50  Insights from Mission Innovation planning for a clean energy research agenda: Tom Jaramillo, Stanford

9:10  Roundtable discussion of natural gas storage and future role of natural gas infrastructure in energy systems and energy storage

   Moderator:  Rob Jackson, Stanford
   Panelists:  Jane Long, LLNL (retired)
              Michael Wara, Stanford

10:00 The global methane cycle and significance of fossil fuel emissions: Rob Jackson, Stanford

10:20  Break

10:35  Highlights from Stanford Methane Conversion Focus Area

       Matteo Cargnello, Stanford
       Melis Duyar, Stanford

11:05  Sustainable Energy Finance

       Opening Remarks: Dan Reicher, Stanford

       Unconventional Resource Finance: Francesco Mele, Azimuth Capital Management

11:45  Concluding Remarks: Mark Zoback and Brad Ritts

12:00  Light lunch

**The NGI workshop on unconventional reservoirs begins at 2:00 in the afternoon on the 9th and requires a separate registration**