



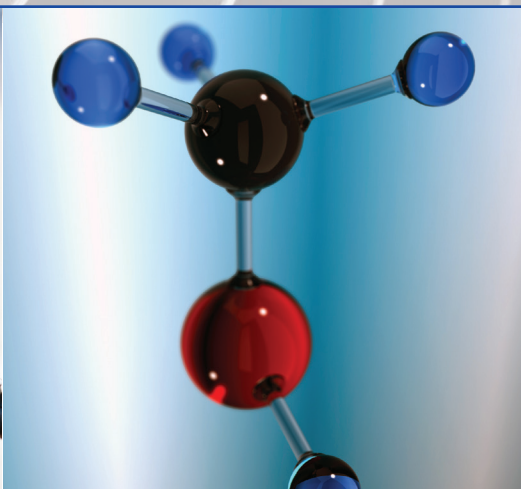
CENTER FOR ENERGY INITIATIVES

An AIChE Technological Community

Alternative Natural Gas Applications Workshop

Creating a Prosperous Demand Market

Hilton Alexandria Old Town, VA • October 8-9, 2014



Alternative Natural Gas Applications Workshop

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October 8-9, 2014

Alexandria, VA

Organizing Committee

Don Anton, *SRNL*

Kyle Brinkman, *Clemson University*

Bond Calloway, *SRNL*

Kevin Huang, *University of South Carolina*

Dale Keairns, *Booz Allen Hamilton*

Scott McWhorter, *SRNL*

Bryan Morreale, *NETL*

Ted Motyka, *SRNL*

Joe Powell, *Shell*

Ken Reifsnider, *University of South Carolina*

Darlene Schuster, *AIChE*

Steve Wach, *SRNL*

Derrick Wu, *AIChE*

Sponsors

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Agenda

Day 1 – October 8, 2014 – Washington/Jefferson Room

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| 8:00a.m. – 9:00a.m. | Registration and Coffee |
| 9:00a.m. – 10:30a.m. | Opening Session |
| 9:00a.m. – 9:10a.m. | Introduction <i>Don Anton (SRNL), Bryan Morreale (NETL)</i> |
| 9:10a.m. – 9:35a.m. | Opening Keynote 1, <i>Nick Jones (Exxon)</i> |
| 9:35a.m. – 10:00a.m. | Opening Keynote 2, <i>Monty Alger (Penn State)</i> |
| 10:00a.m. – 10:30a.m. | Opening Keynote 3, <i>Frank O'Sullivan (MIT Energy Initiative)</i> |
| 10:30a.m. – 11:00a.m. | Break |
| 11:00a.m. – 12:30p.m. | Panel 1: Stationary Energy Generation Discussion Leader: Kevin Huang (University of South Carolina) Panelists: <ul style="list-style-type: none">• Michael F. Carolan (Air Products)• Bill Day (Gas Turbine Association)• Ron Munson (Global CCS Institute)• Pinakin Patel (FuelCell Energy) |
| 11:00a.m. – 11:20a.m. | Introductory Comments from Panelists |
| 11:20a.m. – 12:30p.m. | Panel Discussion |
| 12:30p.m. – 1:30p.m. | Lunch |
| 1:30p.m. – 3:15p.m. | Panel 2: Transportation Energy Generation Discussion Leader: Don Anton (SRNL) Featured Speaker: Reuben Sarkar (DOE) Panelists: <ul style="list-style-type: none">• Allen Aradi (Shell)• Dan Bowerson (Chrysler)• William Chernicoff (Toyota)• Jon Coleman (Ford)• Joseph Rende (Trillium CNG) |
| 1:30p.m. – 1:35p.m. | Introduction from Don Anton |
| 1:35p.m. – 1:55p.m. | Featured Presentation from Reuben Sarkar |
| 1:55p.m. – 2:15p.m. | Additional Introductory Comments from Panelists |
| 2:15p.m. – 3:15p.m. | Panel Discussion |
| 3:15p.m. – 3:45p.m. | Break |

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Day 1 (continued) – October 8, 2014

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| 3:45p.m. – 5:10p.m. | Panel 3: Chemical Synthesis Discussion Leader: Bryan Morreale (NETL) Featured Speaker: Billy Bardin (Dow Chemical Company) Panelists: <ul style="list-style-type: none">• Paul Barger (UOP-Honeywell)• Jan Boshoff (Sasol)• Peter Dias (Braskem)• Joe Fox (Ashland)• Mike Gallagher (Bayer)• Jonathan McConnachie (Exxon)• Brien Stears (Dow Chemical Company) |
| 3:45p.m. – 3:50p.m. | Introduction from Bryan Morreale |
| 3:50p.m. – 4:10p.m. | Featured Presentation from Billy Bardin |
| 4:10p.m. – 5:10p.m. | Panel Discussion |
| 5:10p.m. – 5:15p.m. | Closing Remarks, <i>Don Anton (SRNL)</i> |
| 5:15p.m. – 5:45p.m. | Break |
| 5:45p.m. – 6:45p.m. | Evening Reception |

Day 2 – October 9, 2014

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| 8:00a.m. – 8:30a.m. | Registration and Coffee |
| 8:30a.m. – 8:45a.m. | Introduction to Roundtable Discussions – Washington/Jefferson Room <i>Don Anton (SRNL)</i> |
| 8:45a.m. – 12:00p.m. | Roundtable Discussions <i>Stationary Energy Generation</i> – Franklin Room <ul style="list-style-type: none">• Technical Lead: Ken Reifsnider (University of South Carolina) <i>Transportation Energy Generation</i> – Madison Room <ul style="list-style-type: none">• Technical Lead: Don Anton (SRNL) <i>Chemical Synthesis</i> – Washington/Jefferson Room <ul style="list-style-type: none">• Technical Lead: Bryan Morreale (NETL) |
| 12:00p.m. – 1:30p.m. | Lunch and Prepare Key Findings |
| 1:30p.m. – 1:55p.m. | Summary Presentations |
| 1:55p.m. – 2:00p.m. | Next Steps/Closing Remarks and Adjourn |