

Wednesday, October 21, 2020

Moderator: TBD

- 10:30 AM Welcome and Introduction**
Angelos Kokkinos, U.S. Department of Energy
- 10:45 AM Carbon Utilization Program Overview**
Joseph Stoffa, National Energy Technology Laboratory
- 11:00 AM Novel Algae Technology for CO₂ Utilization (SC0017077)**
James Maloney, Helios-NRG, LLC
- 11:30 AM Electrochemical Conversion of Carbon Dioxide to Alcohols (FE0029868)**
Feng Jiao, University of Delaware
- 12:00 PM Integrated Capture and Conversion of CO₂ to Methanol (ICCCM) Process Technology (TCF-19-17862)**
Robert Dagle, Pacific Northwest National Laboratory (PNNL)
- 12:30 PM Break**

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- 1:00 PM Storing CO₂ in Built Infrastructure: CO₂ Carbonation of Precast Concrete Products (FE0030684)**
Brian Robert Ellis, University of Michigan
- 1:30 PM Beneficial use of CO₂ from Coal-Fired Power Plants for Production of Animal Feeds (FE031717)**
Tryg Lundquist, MicroBio Engineering
- 2:00 PM Carbon Dioxide and Renewable Electricity into Chemicals: Chemical Production from Coal Flue Gas (FE0031706)**
Hongzhou Yang, Dioxide Materials, Inc.
- 2:30 PM Break**



**CARBON UTILIZATION
PROJECT REVIEW MEETING
Virtual Agenda
October 21-22, 2020**

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- 3:00 PM** **Electrochemical Conversion of CO₂ from Coal into Fuels and Chemicals Using a Modified PEM Electrolyzer (FE0031712)**
Kendra Kuhl, Opus 12, Inc.
- 3:30 PM** **Life Cycle Analysis of Carbon Utilization Technologies at NETL**
Timothy Skone, U.S. Department of Energy, National Energy Technology Laboratory
- 4:00 PM** **Electrochemical CO₂ Conversion**
Douglas Kauffman, U.S. Department of Energy, National Energy Technology Laboratory
- 4:30 PM** **Adjourn**

Thursday, October 22, 2020

- 9:45 AM** **Welcome and Introduction**
Mark Ackiewicz, U.S. Department of Energy

Panel on Testing Facilities

Moderator: Lynn Brickett, U.S. Department of Energy

- 10:00 AM** **Wyoming Infrastructure Authority**
Jason Begger, Wyoming Integrated Test Center
- 10:15 AM** **National Carbon Capture Center**
John Northington, Southern Company
- 10:30 AM** **International Test Center Network**
Frank Morton, Southern Company
- 10:45 AM** **Q&A**

Moderator: Dan Hancu, National Energy Technology Laboratory

- 11:00 AM** **Evaluation of Concentrated Piperazine for CO₂ Capture from Coal-Fired Flue Gas and NGCC Conditions**
Gary Rochelle, The University of Texas at Austin

11:30 AM **Validation of Transformational CO₂ Capture Solvent Technology with Revolutionary Stability**
Erik Mueleman, ION Engineering LLC

12:00 PM **Lunch**

Moderator: Joseph Stoffa, National Energy Technology Laboratory

12:30 PM **Field Scale Testing of the Thermocatalytic Ethylene Production Process Using Ethane and Actual Coal Fired Flue Gas CO₂**
Amit Goyal, Southern Research Institute

1:00 PM **A Scalable Process for Upcycling Carbon Dioxide (CO₂) and Coal Combustion Residues into Construction Products**
Gaurav Sant, University of California, Los Angeles

1:45 PM **Membrane-Integrated Sorbent Adsorption Process for Carbon Capture**
Gokhan Alptekin, TDA Research

Panel Discussion on DAC and Utilization

Moderator: Amishi Kumar, U.S. Department of Energy

2:15 PM **Biofuels and Bioproducts**
Ian Rowe, Bioenergy Technologies Office

2:30 PM **Strategic Analysis in Advanced Manufacturing**
Joe Cresko, Advanced Manufacturing Office

2:45 PM **Carbon Conversion Technologies**
Phil De Luna, National Research Council of Canada

3:00 PM **Renewable Chemical Technologies**
Randy Cortwright, National Renewable Energy Laboratory

3:15 PM **Advanced Algal Systems**
Christy Sterner, Bioenergy Technologies Office

3:30 PM **Q&A**

