



U.S. DEPARTMENT OF
ENERGY

Fossil
Energy



Workshop on Direct Air Capture Technology Needs

July 24, 2019

Ronald Reagan Building and International Trade Center
1300 Pennsylvania Ave NW
Oceanic Room
Washington, DC 20004

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| 7:00 – 8:30 AM | Registration Open |
| 7:30 – 8:30 AM | Networking Breakfast |
| 8:30 – 8:45 AM | Welcome Remarks (Steve Winberg, Assistant Secretary of Energy, Office of Fossil Energy, U.S. DOE) |
| 8:45 -- 9:30 AM | Overview of DAC and NAS Study Findings (Session Chair: John Litynski, Office of Fossil Energy, U.S. DOE)
Speakers:
Jen Wilcox, Worcester Polytechnic Institute |
| 9:30 -- 10:00 AM | Charter for the Group and DOE Program Efforts |
| 10:00 – 10:30 AM | Break |
| 10:30 – 12:00 PM | R&D Needs for Novel Materials (Session Chair: Lynn Brickett, NETL)
Speakers:
Klaus Lackner, Arizona State University
Darrell Jan, NASA
Chris Wilmer, University of Pittsburgh |
| 12:00 – 1:00 PM | Lunch |
| 1:00 – 2:30 PM | R&D Needs for Process Configurations (Session Chair: Michael Matuszewski, Aristosys, LLC)
Speakers:
Joshuah Stolaroff, LLNL
Matthew Realff, Georgia Tech
Jen Wilcox, Worcester Polytechnic Institute
Ajay Mehta, Shell |

2:30 -- 3:00 PM	Break
3:00 -- 4:30 PM	DAC System Optimization: Integration with industrial waste heat, renewables, off-peak regen, etc. (Session Chair: Roger Aines, LLNL) Speakers: Sean McCoy, University of Calgary Heather Willauer, NRL
4:30 – 5:00 PM	Feedback from Workshop Discussions
5:00 – 5:15 PM	Next Steps for DOE