



Please register in advance for this webinar:

<https://lbnl.zoom.us/j/9t89384996>

Thursday, October 7	
11:00	Welcome and Meeting Overview (John Shinn)
11:15	IDAES Overview: Key accomplishments and new research thrusts (David Miller)
11:45	<b>DOE Keynote</b> Dr. Emily Grubert, Deputy Assistant Secretary, Office of Fossil Energy and Carbon Management
12:15	<b>Panel Discussion:</b> John Shinn (Moderator) Mark Ackiewicz, Acting Director Office of Carbon Management Technologies Sam Thomas, Director Division of Hydrogen with Carbon Management Lynn Brickett, Director Division of Point Source Capture John Litynski, Director Division of Carbon Transport and Storage Jose Benitez, Director Division of Systems, Economic and Environmental Analysis Amy Sweeney, Acting Director Office of Regulation, Analysis, and Engagement Melissa Klembara, Technology Manager for the RAPID Institute and the Energy-Water Desalination Hub
1:20	Break
1:30	Uncertainty mitigation and technical risk reduction (Chrysanthos Gounaris, Alex Dowling, Ben Omell)
2:00	Multiscale grid interactions for integrated energy systems (John Sirola, Alex Dowling)
2:30	Integrated energy systems for hydrogen production & use (Tony Burgard)
3:00	Design of flexible CCS and CDR (Jaffer Ghouse, Debangsu Bhattacharyya)
3:30	Optimizing water treatment and desalination (Tim Bartholomew)
4:00	Adjourn
Thursday, October 14	
11:00	Welcome and Meeting Overview (John Shinn)
11:15	IDAES Integrated Platform: New capabilities (John Sirola, Andrew Lee, Dan Gunter)
11:45	Interfaces, Usability, Support and Education (Dan Gunter, Keith Beattie, Jaffer Ghouse)
12:15	Machine learning and AI for optimization (Carl Laird, Nick Sahinidis)
12:45	Break
1:00	Design of Flexible Dynamic Energy Systems (Ignacio Grossmann, Steve Zitney)
1:30	Dynamic modeling and optimization (Bethany Nicholson, Larry Biegler)
2:00	Coupling Grid/Market Operations and Planning (Ben Omell, Ignacio Grossmann, John Brewer)
2:30	Break
2:45	Stakeholder Collaboration: panel discussion and feedback
3:45	Wrap up
4:00	Adjourn

All times Eastern