

SYMPOSIUM AGENDA

September 18, 2024

**ROADS TO
REMOVAL**
OPTIONS FOR CARBON DIOXIDE
REMOVAL IN THE UNITED STATES
PENNSYLVANIA

8:15am	Registration and Breakfast
9:00am	Welcome Jennifer Wilcox, Presidential Distinguished Professor of Chemical Engineering and Energy Policy - University of Pennsylvania
9:10am	Plenary Robert Socolow, Emeritus Professor - Princeton University
9:40am	Opening: Roads to Removal Opportunities in Pennsylvania Jennifer Pett-Ridge, Lead Roads to Removal Author, Distinguished Member of the Technical Staff, Physical and Life Sciences Directorate - Lawrence Livermore National Laboratory
10:00am	Panel: Coupling Direct Air Capture with Sustainable Building Dorit Aviv, Assistant Professor of Architecture - University of Pennsylvania Stuart Weitzman School of Design; Noah McQueen, Co-Founder and Head of Research - Heirloom; Christopher Neidl, Co-Founder - Open Air Removals; Simon Pang, Roads to Removal Author - Lawrence Livermore National Laboratory; Marina Sofos, Program Manager, Carbon Dioxide Removal: Enhanced Mineralization - United States Department of Energy
10:45am	Break
11:00am	Panel: The Potential for Greenhouse Gas Removals in Agriculture Alyssa Charney, Senior Advisor, Farm Production and Conservation - United States Department of Agriculture; Allegra Mayer, Roads to Removal Author - Lawrence Livermore National Laboratory; Dipti Pitta, Professor of Ruminant Nutrition - University of Pennsylvania School of Veterinary Medicine; Mary Yap, Co-Founder and CEO - Lithos Carbon; Jane Zelikova, Director of the Soil Carbon Solutions Center - Colorado State University
11:45am	Panel: The Potential of Negative Hydrogen Using Biomass as Feedstock David Edwards, Director and Advocate for Hydrogen Energy - Air Liquide; Wenqin Li, Roads to Removal Author - Lawrence Livermore National Laboratory; Robert Schrecengost, Division Director of Hydrogen with Carbon Management - United States Department of Energy; Josh Stolaroff, Co-Founder and Chief Executive Officer - Mote, Inc.; John Vohs, Carl V. S. Patterson Professor of Chemical Engineering - University of Pennsylvania
12:30pm	Lunch
1:30pm	Panel: Durable Removals and the Importance of MMRV Rory Jacobson, Division Director for Carbon Dioxide Removal, United States Department of Energy; Vijay Kumar, Dean of School of Engineering and Applied Science - University of Pennsylvania; Katie Lebling, Associate, World Resources Institute - United States Climate Program; Kim Mayfield, Roads to Removal Author - Lawrence Livermore National Laboratory; Hannah Murnen, Chief Technology Officer - Graphyte
2:15pm	Panel: Societal Considerations and Impacts Vilas Annavarapu, Environmental Justice Fellow - Great Plains Institute; Kyle Clark-Sutton, Principal of Climate-Aligned Industries - Rocky Mountain Institute; Margo Corum, Director for Carbon Capture, Utilization, and Sequestration - White House Council for Environmental Quality; Hélène Pilorgé, Roads to Removal Author, Research Associate - University of Pennsylvania Clean Energy Conversions Lab; Simone Stewart, Senior Industrial Policy Specialist, Climate and Energy Policy - National Wildlife Federation
3:00pm	Break
3:15pm	Panel: The Role of Removals in Net-Zero Climate Goals Noah Deich, Senior Advisor - United States Department of Energy; Seth Shapiro, President and Chief Executive Officer - The Philadelphia Gas Works; Nina Morris, Sustainability Director - University of Pennsylvania Sustainability Office; Xan Fishman, Senior Director - Energy Program Bipartisan Policy Center
4:00pm	Closing Jennifer Wilcox, Presidential Distinguished Professor of Chemical Engineering and Energy Policy - University of Pennsylvania

University of Pennsylvania - Energy Forum - Kleinman Center for Energy Policy

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