

MRCI 1st ANNUAL PARTNERS MEETING 2021

Speakers

Dan Connell – *CONSOL Energy Inc.*



Dan is Senior Vice President of Strategy for CONSOL Energy Inc., which is a producer and exporter of thermal and metallurgical coal from the Eastern US. In his current position, Dan is focused on developing and executing CONSOL's growth strategy and advancing the company's initiatives to create value through the application of new technologies. He also oversees the company's sales, marketing, and business development efforts and has profit and loss responsibility for the CONSOL Marine Terminal in the Port of Baltimore and the Itmann Mine project in West Virginia. Prior to this role, Dan spent about 17 years working in CONSOL's Research & Development, Marketing, Strategy & Engineering, and Business Development & Technology groups, where he focused on the development and economic analysis of advanced power generation and environmental control technologies, technical marketing for thermal and metallurgical coal customers, energy market analysis, strategic planning, new market development, and major transactions. He also has been spearheading the company's efforts around waste coal utilization, carbon dioxide capture and storage, and development of sustainable products and materials from coal. Dan earned his B.S. in chemical engineering from the University of Notre Dame, and he is a member of the Committee on Earth Resources of the National Academies of Sciences, Engineering, and Medicine. He has authored or co-authored more than 50 publications and presentations on topics related to coal, energy, and the environment.

Darin Damiani – *U.S. DOE Office of Fossil Energy*



Darin manages an R&D program supporting a portfolio of projects and initiatives to develop geologic CO₂ storage technologies that advance commercial deployment of carbon capture utilization and storage (CCUS). As FE's Carbon Storage Program Manager Darin's primary responsibilities are program planning and road mapping, developing program budgets and justifications, overseeing, and tracking program execution, liaise with international partners, and engage with key stakeholders to inform about FE's carbon management mission. Darin joined FEHQ in 2015 after serving as a federal project manager at DOE's National Energy Technology Laboratory (NETL) for 8 years. While at NETL Darin managed a variety of technology development projects in support of FE's Carbon Storage Program including the Midwest Geological Sequestration Consortium (MGSC), which is one of the seven Regional Carbon Sequestration Partnerships that have been advancing CCUS technologies and infrastructure needed to implement large-scale CO₂ storage in different regions and geologic formations of North America. Prior to joining NETL Darin was a project engineer for the Army Corps of Engineers, NY District (civilian) in their Environmental Analysis Branch (2004-2007) and a water quality modeler for NJ consulting firm HydroQual (2000-2004). Darin completed a B.E. in Environmental Engineering from Hofstra University, NY in 1996 and a Master's in Environmental Engineering from Manhattan College, NY in 2000.

Sallie Greenberg – *University of Illinois*



Sallie E. Greenberg, Ph.D. is a Principal Scientist of Energy & Minerals at the Illinois State Geological Survey - University of Illinois. She led the Decatur storage project and is the co-principal investigator for the Midwest Regional Carbon Initiative (MRCI), a new CO₂ Regional Deployment Initiative focused on Carbon Capture Utilization and Storage deployment in the Midwest and Northeast United States. Over the last 20+ years, she has consulted or contributed to more than 30 energy and carbon capture and storage projects, especially in the areas of strategic project development, risk reduction, and stakeholder engagement.

Neeraj Gupta – Battelle



Neeraj Gupta provides technical integration and program development leadership for the Battelle's carbon management and subsurface resources work. Dr. Gupta joined Battelle in 1993 and is currently a Senior Research Leader in the Energy Group at Battelle. Dr. Gupta has been involved in CO₂ storage technology development since mid-1990s has conducted numerous US and international projects for the US DOE and industry. As the Principal Investigator and Project Manager for Midwestern Regional Carbon Sequestration Partnership, Dr. Gupta oversees a consortium for regional assessment of field projects for CO₂ storage and Enhanced Oil Recovery (EOR), including MRCSP Michigan Basin Project. His subsurface resources work includes EOR, brine disposal, geologic characterization; regional hydrogeology; reservoir simulations; geochemical modeling and experiments; seismic assessments; and costing and regulatory aspects.

Autumn Haagsma – Battelle



Autumn Haagsma is a research geologist at Battelle, where she supports a wide range of client and industry needs. Her responsibilities include technical leadership and development for CCUS projects, interpretation of wireline and advanced logs, static earth model development, risk assessments, and integration with data analytics. Autumn joined Battelle in 2013 and holds a B.S. in Geology and Physics from Central Michigan University, and a M.S. in Geophysics from the University of Minnesota.

Don LaMonaca – Battelle



Mr. LaMonaca is the Business Line Manager of the Critical Infrastructure Business Line (CIBL) within Battelle's Environment and Infrastructure Business Unit, with oversight of energy, homeland security, and surface transportation. He has over 25 years of experience leading research, development, engineering, test and evaluation of advanced technologies and systems. As the BLM, Mr. LaMonaca is responsible for defining and executing growth strategies for the business; achieving annual sales, revenue and operating income targets; managing operating expenses and investments; and overseeing over 300 scientists, engineers, and support staff. Mr. LaMonaca is responsible for overseeing accounts with a diverse customer base, including the Department of Homeland Security, the Department of Defense, the Department of Transportation, the Department of Energy, numerous commercial customers, as well as a growing base of international customers. Within the energy portfolio, a key current focus for Mr. LaMonaca is to oversee the development and execution of Battelle's strategy for commercial deployment of carbon capture, utilization, and storage with domestic and international industry.

Charles McConnell – University of Houston



Charles McConnell is the Energy Center Officer of the Center for Carbon Management and Energy Sustainability at the University of Houston. Prior to joining UH Energy, McConnell was the Executive Director of the Energy and Environment Initiative at Rice University. McConnell served as the Assistant Secretary of Energy in the US Department of Energy from 2011-13 and was responsible for the Office of Fossil Energy's strategic policy leadership, budgets, project management, and research and development of the department's coal, oil and gas, and advanced technologies programs. McConnell also previously served as Vice President of Carbon Management at Battelle Energy Technology in Columbus, Ohio and with Praxair, Inc. serving in a variety of operations, sales and global business and technology roles including hydrogen, gasification and energy as the Global VP of Energy and Hydrogen. McConnell is currently a board member of the Energy & Environmental Research Center (EERC) Foundation in North Dakota, is a member of the National Coal Council, has served on the Society of Petroleum Engineers and National Petroleum Council subcommittees, and has held a number of board positions

including chairmanships of the Gasification & Syngas Technologies Council and the Clean Carbon Technology Foundation of Texas. McConnell holds a bachelor's degree in chemical engineering from Carnegie-Mellon University (1977) and an MBA in finance from Cleveland State University (1984).

Peter Sherk – Wabash Valley Resources



Peter Sherk currently serves on the board of Wabash Valley Resources, a development company in which he has personally invested and is actively involved. The Wabash project involves the repurposing of an existing Gasifier complex, which formerly operated as a IGCC, into a large scale producer of Carbon Free Hydrogen, achieved by becoming the country's largest CO₂ sequestration project, sequestering 1.6 million tons of CO₂ per year into permanent geological storage. While still in the development stage, this innovative project has attracted attention from major oil companies, environmental organizations, the international clean hydrogen industry as well as green energy investors.

Prior to focusing his efforts on this project, Peter was CEO Americas for Mercuria Energy Trading, a global physical commodity trading and investments house, based in Geneva, with offices in Greenwich, Houston, Denver, Calgary, and Mexico City. Before joining Mercuria, Peter spent 17 years at Morgan Stanley in the Commodities Division, as a natural gas derivatives trader, Managing Director and Head of North American Natural Gas trading, then Head of the Natural Gas and Power group and ultimately served as Global Co-head of the Commodities Division and Senior Managing Director on the Global Institutional Securities Management Team.

Mike Weiner – CURC



Mike Weiner is a Director of Governmental Issues at Van Ness Feldman LLP in Washington, D.C. He also serves as the Associate Director for the Carbon Utilization Research Council (CURC), an industry coalition focused on technology solutions in support of responsible fossil energy use. On behalf of CURC, he assists with the development of policies that promote the deployment of carbon capture, utilization, and storage (CCUS) technologies and advocates for those policies before federal policymakers. Mike holds a Bachelor's degree from the University of Wisconsin-Madison and a Master of Public Administration degree from George Washington University.

Steve Whittaker – Illinois Geological Survey



Steve Whittaker is Director of Energy & Minerals, Illinois State Geological Survey, at the University of Illinois and leads a team researching carbon capture and storage, critical mineral resources, blue hydrogen, energy storage, and carbon utilization. Steve and his team are leading the Illinois Storage Corridor project to develop Class VI permits for two commercial CCS sites and two other CarbonSAFE projects designed to accelerate commercial deployment of CCS. Steve is a geologist with a PhD from the University of Saskatchewan, Canada, and Post-Doctoral Fellowships at Queen's University and McGill University.