



2018 Annual Spring Meeting
April 11-12, 2018 – Washington, DC
Speakers

Thomas J. Pyle

President - Institute for Energy Research



Thomas Pyle is the president of the Institute for Energy Research (IER) and its advocacy arm, the American Energy Alliance (AEA). In this capacity, Pyle brings a unique background of public and private sector experience to manage IER's Washington, DC-based staff and operations. He also develops the organization's free market policy positions and implements education efforts with respect to key energy stakeholders including lawmakers, agency officials, industry leaders, consumers, and the media. He recently managed the Department of Energy as part of the presidential transition team.

Prior to his current position, Thomas was the president and founder of Pyle Consulting, an active public affairs and lobbying firm with a wide range of private sector and not-for-profit customers. He also served as vice president at Cassidy and Associates where he provided strategic consulting to a variety of corporations and trade associations. Additionally, he was the director of federal affairs for Koch Industries, a major integrated manufacturing and services company with a focus on energy, environment, transportation, and regulatory matters.

Before entering the private sector, Thomas held numerous legislative positions on Capitol Hill including a policy analyst for the Majority Whip of the U.S. House of Representatives and staff director for the Congressional Western Caucus.

Pyle holds a degree in Political Science from the University of California.

Steve Winberg



As Assistant Secretary, Steven Winberg is responsible for the management and oversight of FE's research and development program, encompassing coal, oil, and natural gas, as well as the Office of Petroleum Reserves.

Mr. Winberg has 39 years of experience in the energy industry. He began his career at the engineering firm Foster Wheeler as an engineer on coal-fired utility boilers. From there, he spent 14 years with Consolidated Natural Gas working in a variety of positions before becoming Vice President for CONSOL Energy Research & Development. Immediately prior to coming to DOE, Mr. Winberg served as a Senior Program Manager at Battelle Memorial Institute.

Over the span of his career, Mr. Winberg has participated in a number of policy and energy initiatives. He has also gained extensive experience in numerous energy technologies, including advanced fossil energy combustion, coal-to-liquids, fluidized bed combustion, emulsified fuels, fuel cells, alternative fuel vehicles, and carbon utilization.

Mr. Winberg received a bachelor's degree in nuclear science from the State University of Maritime College in 1978 and an MBA from the University of Pittsburgh in 1991.

Dr. Anthony Ku

Dr. Anthony Ku is the Director of Advanced Technologies at the National Institute of Clean and low-carbon Energy (NICE), the research division of China Energy Group. In this role, he is responsible for R&D addressing China Energy's strategic challenges related to carbon management and air pollution, operational efficiency, and long-term sustainability. He is currently developing partnerships to accelerate the commercialization of carbon capture, utilization, and storage (CCUS) technologies in China, and building a team to apply data science to reduce emissions from power generation.

Prior to joining NICE, Dr. Ku was a Senior Engineer at GE Global Research where he led advanced materials development projects in support of GE's Water, Energy, Aviation, and Healthcare businesses, and coordinated GE's corporate-level assessments to identify and address supply chain exposure to critical materials. He is also a founding editor of Sustainable Materials and Technologies, a technical journal focused on reducing the knowledge gap between materials development and system-level engineering design. Dr. Ku holds a Ph.D. degree in chemical engineering from Princeton University and M.S. and B.S. degrees in chemical engineering practice from MIT.

Randall Atkins



Randall Atkins, Chairman of the Board and Chief Executive Officer- Ramaco Coal, LLC. Randall Atkins has been involved in energy related development, investment and financing for over 35 years. He is the co-founder of Ramaco Coal and has served as its Chairman of the Board and Chief Executive since inception in 2011. Ramaco Coal is the holding company for three coal related companies which operate under the Ramaco name. Mr. Atkins is the Executive Chairman of the Board of Ramaco Resources, Inc., which is a publicly traded metallurgical coal operator and producer with operations in Central Appalachia, which trades on the NASDAQ under the symbol METC. Ramaco Royalty, is a private metallurgical mineral and infrastructure company, which owns approximately 400 million tons of mineral reserves and resource in Central Appalachia. Ramaco Carbon, owns roughly 1 billion tons of thermal coal in the Powder River Basin and is involved in the development, research and manufacture of various “coal to product” technologies. Prior to the formation of Ramaco, Mr. Atkins was a banker at J.P. Morgan and had worked previously in various investment banking and private equity positions in the mining and energy fields. He also served as the Chief Executive Officer of a private entity, owned in partnership with the Estee Lauder family, focused on energy and resource investments in Eastern Europe. He began his career at Ashland Oil, Inc.. Mr. Atkins holds a B.A. degree from Duke University and a J.D. degree from Washington & Lee University School of Law.

Dan Connell

Dan is Director of Market Strategy & Business Development for CONSOL Energy Inc., which is a producer and exporter of bituminous thermal and metallurgical coal from the Northern Appalachian Basin. In his current position, Dan is responsible for developing new market opportunities and applications for CONSOL's products, and he plays a leading role in defining the company's overall marketing, operating, and growth strategies. Since joining CONSOL in 2003, Dan also has worked in the company's Research & Development and Strategy & Engineering 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, coal market analysis, strategic planning, and major transactions.

As a member of CONSOL's R&D group, Dan served as Principal Investigator and administrative lead for the Greenidge Multi-Pollutant Control Project, a \$33 million clean coal technology demonstration project sponsored by the U.S. Department of Energy, and he was CONSOL's lead investigator on a number of research projects focusing on topics such as chemical looping, carbon dioxide capture, water treatment, and ambient air quality. More recently, Dan has been responsible for all technical aspects of CONSOL's thermal and metallurgical coal sales, and has overseen its mine planning and coal quality functions. Dan led the development of a strategic plan for CONSOL Coal Resources, CONSOL's coal master limited partnership, and he was a key team member for several major transactions including the successful spin-off of CONSOL's coal business from its natural gas E&P business.

Dan earned his B.S. in chemical engineering from the University of Notre Dame, and he is a graduate of CONSOL's Leadership Education and Development program. He is the author of more than 50 publications and presentations on topics related to coal, energy, and the environment.

John Thompson

John W. Thompson, Technology and Markets Director, Clean Air Task Force (CATF)

Mr. Thompson promotes carbon capture and storage at power plants and industrial facilities and the transfer innovative, low-carbon coal and fossil technology between the U.S. and China. He works to develop US federal policies that enable saline injection and enhanced oil recovery. Mr. Thompson is a frequent presenter on fossil technology and sequestration at conferences both in the United States, China, and Europe. In the past, he has served on numerous advisory panels most recently on the State EOR Working Group facilitated by the Great Plains Institute. In 2012, he began serving on the National Coal Council, a Department of Energy advisory body. Mr. Thompson holds a B. S. in chemical engineering from the University of Illinois, Champaign-Urbana, as well as an M.B.A. from Olin School of Business at Washington University in Saint Louis.