Wisconsin Biogas Council

Wisconsin Biogas Council 2018 Conference
&
DoD/OEA Initiative 41 Lunch n' Learn Grant Program

Speaker Biographies

Shashi Menon, Chief Executive Officer, EcoEngineers

EcoEngineers is a renewable energy consulting firm that helps companies navigate the emerging clean energy economy and monetize the premium placed on biogenic carbon when used as transportation fuel. Under his leadership, EcoEngineers has become a nationally and internationally recognized leader in audit, compliance management and renewable energy consulting in the biofuel/low carbon community. Mr. Menon is committed to clean air, clean water, and clean energy and supports a decarbonized economy.

Mr. Menon holds over 20 years of business strategy and business development experience in finance, commercial real estate investments, and renewable energy consulting. He is actively engaged in science-based studies and research efforts that identify the role of policy in creating value for environmental services produced. He has worked closely with federal and state regulators and the biofuel community to frame policies that enable successful projects.

Mr. Menon sits on the State of Iowa Energy Plan and Biomass Committees. The work of the committee is focused on building a biomass-to-energy model that could be duplicated and commercialized and would be an economic development driver for the State. Through this work, he co-wrote the report on sustainable rural development, “Anaerobic Digestion Systems and the Water-Energy Nexus: A Study of the Impacts of Biogas Production in Iowa”.

Mr. Menon holds an MBA in Finance from DePaul University, a BA in Literature and Physics from Illinois Wesleyan University.

Steven Josephs, PE, Co-Founder and Vice President of Engineering
AMP Americas, LLC.

Steve helped found AMP Americas to align his work with his belief in the transformation CNG and RNG will enable for heavy trucking in the US. Through compelling economics, this clean American fuel will increase profit margins while improving US air quality and decreasing our dependence on foreign oil. Steve leads our day-to-day engineering and operational efforts and also ensures that we maintain expertise on all relevant technology.

Steve earned his BSE in Civil Engineering from Princeton University and his MBA from the University of Chicago's Booth School of Business. He is a Professional Engineer licensed by the State of Illinois and the former Research and Training Committee Chair for the Chicago chapter of Engineers Without Borders.

Michael Lemon, Co-Founder, Bridge To Renewables (BTR Energy)

Michael Lemon is co-founder of Bridge To Renewables (BTR Energy). Before co-founding BTR Energy, he started Biogas Researchers, a nonprofit that focused on identifying opportunities afforded by the production and consumption of biogas. Michael is currently working to activate the Renewable Electricity Pathway under the Renewable Fuel Standard (RFS). The program would enable producers of renewable biogas-electricity, such as dairy and livestock farms, and other anaerobic digesters, to power electric vehicles (EVs) and be allowed to participate in the Renewable Fuel Standard program. Michael completed his studies in international relations and economics at Franklin University Switzerland, he was first introduced to biogas while studying in Denmark.

Rory A. Roberts, Associate Professor,
Department of Mechanical and Materials Engineering, Wright State University

Dr. Rory Roberts obtained his PhD in Mechanical Engineering at the University of California-Irvine. At UCI, Rory developed models for high temperature fuel cell/ gas turbine hybrid systems. He worked 4 years at Rolls-Royce Fuel Cell Systems in fuel cell gas turbine hybrid system design, development and testing. Rory joined Wright State University in 2009 and is currently an Associate Professor of Mechanical Engineering at Wright State University. Rory founded the Advanced Propulsion, Power and Thermal Systems program at Wright State University 2012. His research has generated over $4M in funding. His current areas of research are in: transient model development for propulsion, power and thermal systems for system design, optimization and control architecture development. Some examples are: tip-to-tail vehicle level modeling of aircraft and unmanned aircraft, fuel cell systems, and power and thermal management systems.

William Smith, President, Infinity Fuel Cell and Hydrogen, Inc.

Mr. Smith is founder and President of Infinity Fuel Cell and Hydrogen, Inc. He is also a co-founder of a leading hydrogen generation company Proton Energy Systems, now called Proton On-Site, where he served as Proton's Vice President of Business Development from company inception in 1996 until 2002 and was part of its management team taking Proton through a successful IPO on the NASDAQ in the year 2000.

Before co-founding Proton, Mr. Smith led various business development activities for advanced Proton Exchange Membrane products at the Hamilton Standard Division of United Technologies. These included products for commercial, military and NASA applications. He holds 12 patents in the field. Prior to that Mr. Smith worked as an optical engineer in the Optical Operations Directorate at Perkin Elmer in Norwalk CT. Mr. Smith received his undergraduate degree in Physics from the University of Connecticut, and his MBA from the University of Massachusetts in Amherst.

Brian Weeks, P.E., Director, Houston Office, Gas Technology Institute

Brian Weeks is the Houston Office Director for Gas Technology Institute (GTI). GTI is an independent, not-for-profit research and development institute that has been bringing innovative technology to the energy industry for over 70 years. GTI performs work for federal and state agencies and for companies within the energy industry.

Mr. Weeks is GTI's regional contact for commercial development and he manages GTI's Houston office. Mr. Weeks helps design GTI's joint industry projects in the areas of renewable energy, large scale industrial technologies and mobility technology programs. He has authored several papers on hydrogen infrastructure, LNG, and energy storage technologies for GTI's client organizations, including the Texas Commission on Environmental Quality, the U.S. Department of Defense, the U.S. DOE, the U.S. DOT, as well as for various private industry clients.

Mr. Weeks manages technology demonstration projects for GTI, including those that address advanced fuel infrastructure systems for hydrogen, natural gas, and hybrid electric vehicles. Prior to his position with GTI, Mr. Weeks spent 16 years with ChevronTexaco, managing energy demonstration projects in the U.S., Canada, and the Caribbean. He also spent time in Washington, D.C. as Texaco's natural gas regulatory policy director.

Mr. Weeks is a graduate of Vanderbilt University where he received his engineering degree. He also has an MBA and is a registered Professional Engineer in the State of Texas. He resides in Houston.

Theodore Bohn, Principal Electrical Engineer
Center for Transportation Research, Argonne National Lab

Theodore Bohn is with the Center for Transportation Research at Argonne National Laboratory. He is a principal electrical engineer in the Vehicle Systems Group, identifying and validating interoperability issues related to PEV charging systems including grid impacts/opportunities. Recent research includes Smart Charging and standards related to adaptive charging controls tying vehicle charging requests to power flow from the grid under various grid marketing and stability conditions. His group at ANL is leading wireless charging standards interoperability and safety research as part of SAE charging standards.

Mr. Bohn has worked for each of the US based automobile manufacturers as well as various Tier I automotive suppliers. He has been working on advanced technology and alternative energy fueled vehicle research for over 35 years. He actively serves on battery and PHEV related SAE technical standards committees. He is the chair of the SAE J2953 PEV-EVSE Interoperability standard, as well as the subcommittee chair of the NIST Handbook44 standard on measurement systems for commercial dispensing of electricity as a fuel.

Mr. Bohn received his BS and MS degree in electrical engineering at the University of Wisconsin-Madison. His area of focus is on power electronics, electric machines and dynamic control systems. He holds an adjunct faculty position at University of Wisconsin-Madison where he develops and delivers regular and short course materials.