

ADVISORY BOARD TRACK E



This track has been changed to Solid Waste & Landfill gas including LMOP – Landfill gas, Waste to Energy, Biofuels, Remediation, Cement, CNG/LNG, Pipelines

E1. WASTE TO ENERGY

-  **E1.1 GASIFICATION FOR WASTE WATER FACILITIES - PART 1: PROCESS BENEFITS**
Jeffrey Snyder, Sr VP Business Development, Aries Clean Energy; Sara Head, Yorke Eng.
-  **E1.2 GASIFICATION FOR WASTE WATER FACILITIES - PART 2: PERMITTING CASE STUDY**
Sara Head, Principal Scientist, Yorke Engineering, LLC; Jeffrey Snyder, Aries Clean Energy
-  **E1.3 PLASMA GASIFICATION OF WASTE IN THE U.S.: A CASE STUDY ON LARGE-SCALE**
Richard Fish, President and CEO, AlterNRG Corp.
-  **E1.4 VERIFICATION TESTS WITH EMISSION MEASUREMENTS OF AIR POLLUTANTS**
Yong-Chil Seo, Professor, Yonsei University


Monday | 1PM - 3PM

E2. BIOGAS, BIOFUELS, BIODIESEL, ALGAE

-  **E2.1 CATAWBA COUNTY ECOCOMPLEX, A STUDY OF INDUSTRIAL SYMBIOSIS EMPLOYING**
Barry Edwards, Director of Utilities & Engineering, Catawba County
-  **E2.2 CFD STUDY ON GASIFICATION CHARACTERISTICS OF BIO-OIL**
Hang Seok Choi, Professor, Yonsei University; MyungKyu Choi, Jae Gyu Hwang, HoonChae Park
-  **E2.3 BIOMASS TO DIESEL, A NEW WAVE IN RENEWABLE FUELS**
Roberta (Bobbie) Hurley, Associate Vice President, AECOM
-  **E2.4 ENGINEERED BIOMASS PROJECTS: FINALLY TIME FOR THEIR DAY IN THE SUN?**
Una Nowling, Technology Leader, Black & Veatch
-  **E2.5 OXYGEN REFORMING OF TAR AND METHANE IN BIOMASS-DERIVED SYNGAS**
Larry Bool, Corporate Fellow, Praxair; Bradley Damstead
-  **E2.6 ALGAE - CONVERSATION ABOUT WHAT TO DO NEXT**
Aaron Morrison, President & CEO, Chaoticwaters, Inc.

Monday | 3:30PM - 5:30PM

E3. LMOP - LANDFILLS & LANDFILL GAS

-  **E3.1 CONVERSION OF BIOGAS RENEWABLE TO POWER TO RNG-A VALUE PROPOSITION**
Jeffrey Pierce, Senior Project Director, SCS Energy / SCS Engineers
-  **E3.2 ENCAPSULATOR TECHNOLOGY USEFUL FOR ODOR MITIGATION IN LANDFILLS**
Matthew Frank, Marketing Communications Manager, Hazard Control Technologies, Inc.; Jeff Bonkoski, Ron Lowrey
-  **E3.3 BANKING 101: FINANCING INNOVATIVE BIOENERGY**
Max Vernier, Business Unit Leader - Bioenergy Lending, Live Oak Bank

Tuesday | 7:30AM - 9:30AM

E4. CNG / LNG, PIPELINES, FUEL SWITCHING & CO-FIRING

-  **E4.1 THE PERFORMANCE SPARK IGNITION ENGINE USING GASOHOL WITH ADDITIVES**
Iyiola Olusola Oluwaleye, Professor, Ekiti State University; J.O. Oyeniran
-  **E4.2 HOW TO MEET RULE 30 AND RUL 21 REQUIREMENTS FOR RENEWABLE NATURAL GAS**
Dave Church, VP Operations, Guild Associates, Inc.
-  **E4.3 BIFURCATING A CENTRAL PLANT FOR REDUNDANCY AND RELIABILITY**
Jay Ehrfurth, Director - Power / Industrial, The Boldt Company; Mark Osten
-  **E4.4 RNG/CNG IN THE TRANSPORTATION SECTOR**
Axel Schaefer, Managing Director, Greentech Avenue Environmental Services, Inc.
-  **E4.5 RENEWABLE GAS PIPELINES: WHAT REGULATIONS APPLY AND HOW TO OPERATE**
Ryan Estabrook, President, Douglas Pipeline Company



Tuesday | 10AM - 12PM

E5. REMEDIATION, RECYCLING & SPECIAL WASTES

-  **E5.1 NEW PETROGEL SUPERABSORBENT TECHNOLOGY FOR OIL SPILL RECOVERY**
T.C. Mike Chung, Professor, Penn State University
-  **E5.2 DEVELOPMENT PROSPECTS OF BUILDING MATERIALS INDUSTRY IN AL QASSIM**
Hadeel Al Fawzan, Teaching Assistant, Qassim University
-  **E5.3 ADAPTING TRADITIONAL NAJDAH ARCHITECTURE TO THE NATURAL ENVIRONMENT**
Nasser Alhemiddi, Professor, King Saud University
-  **E5.4 RECLAIMING AND RECYCLING COAL FLY ASH FOR BENEFICIAL USE**
Bill Fedorka, Executive Director, Advanced Technology and Projects, SEFA Group

Tuesday | 1PM - 3PM

E6. SOLID WASTE MANAGEMENT & COMPLIANCE

-  **E6.1 RFS AND LCFS COMPLIANCE CONSIDERATIONS FOR LANDFILL GAS PROJECTS**
Ashley Player, Senior Manager, Weaver
-  **E6.2 ALIGNING INTELLECTUAL PROPERTY STRATEGIES WITH R&D AND COMMERCIAL GOAL**
Daniel Abraham, Vice President, MPEG LA