NATIONAL ENERGY TECHNOLOGY LABORATORY

ADVANCED COAL PROCESSING PROJECT REVIEW MEETING
Virtual Agenda
October 19-20, 2020

Monday, October 19, 2020

Moderator: Charles Miller, National Energy Technology Laboratory

12:00 PM **Welcome and Introduction**
Angelos Kokkinos, U.S. Department of Energy

12:15 PM **Advanced Coal Processing Program Overview**
Joe Stoffa, National Energy Technology Laboratory

12:30 PM **NETL-RIC's Coal to Products Research**
Christopher Matranga, National Energy Technology Laboratory

1:00 PM **Coal Conversion for Carbon Fibers and Composites**
Edgar Lara-Curzio, Oak Ridge National Laboratory

1:30 PM **Coal to Carbon Fiber (C2CF) Continuous Processing for High Value Composites**
Matthew Weisenberger, University of Kentucky

2:00 PM **Experimental Validation and Continuous Testing of an On-Purpose High-Yield Pitch Synthesis Process for Producing Carbon Fiber from US Domestic Coal and Coal to Carbon Fiber Novel Supercritical Carbon Dioxide (SCO_2) Solvated Process**
Charles Hill, Ramaco Carbon

2:30 PM **Break**

Moderator: Omer Bakshi, National Energy Technology Laboratory

3:00 PM **Silicon Carbide (SIC) Foam for Molten Salt Containment in CSP-GEN3 Systems**
Dwayne Morgan, Touchstone Research Laboratories

3:30 PM **Direct Utilization of U.S. Coal as Feedstock for the Manufacture of High-Value Coal Plastic Composites**
Jason Trembly, Ohio University

4:00 PM **Coal Core Composites for Low Cost, Light Weight, Fire Resistant Panels and Roofing Materials**
Walter Sherwood, Semplastics

4:30 PM **A Novel Process for Converting Coal to High-Value Polyurethane Products**
Satya Chauhan, Battelle Memorial Institute

5:00 PM **Adjourn**

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Moderator: Anthony Zinn, National Energy Technology Laboratory

12:00 PM **Conversion of Coal to Li-Ion Battery Grade (Potato) Graphite**
Michael Wagner, George Washington University

12:30 PM **U.S. Coal to Conductive Inks**
James Hnat, Minus 100

1:00 PM **High Yield Microwave Plasma Conversion of Coal for Low-Cost 3D Printable Composites**
Amit Naskar, Oak Ridge National Laboratory

1:30 PM **Efficient Ultra-Rapid Microwave Plasma Process for Generation of High Value Industrial Carbons and 3D Printable Composites from Domestic Coal**
George Skoptsov, H Quest Vanguard

2:00 PM **Conversion of Domestic US Coal into Exceedingly High-Quality Graphene**
James Tour, Rice University

2:30 PM **Break**

Moderator: Charles Miller, National Energy Technology Laboratory

3:00 PM **Production of Carbon Nanomaterials and Sorbents from Domestic U.S. Coal**
Seyed Dastgheib, Unversity of Illinois at Urbana Champaign

3:30 PM **Efficient Process for the Production of High Conductivity, Carbon-Rich Materials from Coal**
Dorin Preda, Physical Sciences

4:00 PM **The Novel Charfuel Coal Refining Process 18 Tpd Pilot Plant Project for Co-Producing an Upgraded Coal Product and Commercially Valuable Co-Products**
Lee Meyer, Carbon Fuels

4:30 PM **Pilot-Scale Testing of the Hydrophobic-Hydrophilic Separation Process to Produce Value-Added Products from Waste Coals**
James Reyher, Minerals Refining Company

5:00 PM **Adjourn**