

Monday, October 19, 2020

Moderator: Charles Miller, National Energy Technology Laboratory

- 12:00 PM** **Welcome and Introduction**
Angelos Kokkinos, DOE HQ
- 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 (SCO₂) Solvated Process**
Randall Atkins, 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**
Matthew 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**

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- 3:00 PM** **Production of Carbon Nanomaterials and Sorbents from Domestic U.S. Coal**
Seyed Dastgheib, University 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**