NATIONAL ENERGY TECHNOLOGY LABORATORY

2020 HIGH PERFORMANCE MATERIALS PROJECT REVIEW MEETING
Virtual Agenda
Tuesday, September 29, 2020

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Introduction - Regis Conrad, U.S. Department of Energy, Office of Fossil Energy

1:10 PM **Keynote**
Advanced Alloy Development at NETL
David Alman, National Energy Technology Laboratory

Alloy Development & Life Prediction Panel Discussion
Moderator Marisa Arnold
Facilitator David Alman

1:30 PM **Computer Vision and Machine Learning making the Processing-Microstructure-Property Connection in Heat Resistant Alloys**
Elizabeth Holm, Carnegie Mellon University (CMU)

1:40 PM **Computational Modeling and Simulation**
Laurent Capolungo, eXtremeMAT National Laboratory Consortium, LANL

1:50 PM **High Throughput Computational Framework of Materials Properties for Extreme Environments**
Allison Beese, Pennsylvania State University

2:00 PM **Characterization of Long-Term Service Coal Combustion Power Plant Extreme Environment Materials**
Steven Kung, EPRI

2:10 PM **Multi-modal Approach to Modeling Creep Deformation In Ni-Base Superalloys**
Ridwan Sakidja, Missouri State University

2:20 PM **Facilitated Discussion**

3:00 PM **Adjourn**