



**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 Sikidja, Missouri State University

2:20 PM Facilitated Discussion

3:00 PM Adjourn