## Thursday, October 15, 2020

Moderator: Robert Vagnetti, National Energy Technology Laboratory

**1:00 PM**    **Field Laboratory for Emerging Stacked Unconventional Plays (ESUP) in Central Appalachia**
Nino Ripepi, Virginia Tech

**1:20 PM**    **Tuscaloosa Marine Shale Laboratory**
Ning Liu, University of Louisiana at Lafayette

**1:40 PM**    **Field Evaluation of the Caney Shale as an Emerging Unconventional Play, Southern Oklahoma**
Jim Puckette, Oklahoma State University and Andrew Bunger, University of Pittsburgh

**2:00 PM**    **Conasauga Shale Research Consortium**
John Hickman, University of Kentucky

**2:20 PM**    **Break**

Moderator: Stephen Henry, National Energy Technology Laboratory

**2:40 PM**    **Unlocking the Tight Oil Reservoirs of the Powder River Basin, Wyoming**
Steven Carpenter, University of Wyoming

**3:00 PM**    **Improving Production in the Emerging Paradox Oil Play**
Brian McPherson, University of Utah

**3:20 PM**    **Enabling Cost Effective High Quality Seismic Monitoring of Unconventional Reservoirs with Fiber Optics**
Caleb Christensen, MagiQ Technologies

**3:40 PM**    **A Novel 'Smart Microchip Proppants' Technology for Precision Diagnostics of Hydraulic Fracture Networks**
Amirmasoud Kalantari-Dahaghi, University of Kansas

**4:00 PM**    **Break**

**4:20 PM**    **Early Prediction and Prevention of Frac Screen-Out using Deep Reinforcement Learning**
Hamed Soroush, Petrolern, LLC

**4:40 PM**      **Enhance Full-Waveform Inversion with Machine Learned Low-Frequency Signals**
Wenyi Hu, Advanced Geophysical Technology, Inc.

**5:00 PM**      **Adjourn**