

DAY 1 Agenda: Overview of AASPI Research Plans for 2021		
Western Hemisphere - January 11, 8AM-12 Noon CST		Eastern Hemisphere - January 13, 8PM-12 Midnight CST
Time	Title	Authors
8:00	Welcome	Kurt Marfurt, Heather Bedle, Marcilio Matos, Shuvajit Bhattacharya, Bo Zhang, and Sumit Verma
8:10	Overview of AASPI consortium organization, deliverables, tutorials, and work plans	Kurt Marfurt, Heather Bedle, Marcilio Matos, Shuvajit Bhattacharya, Bo Zhang, and Sumit Verma
8:20	Alternative workflows in choosing the "optimum" suite of attributes for seismic facies classification	Karelia La Marca
8:35	Defining training data and the importance of proper attribute scaling for projection, unsupervised, and supervised machine learning applications	Thang Ha and David Lubo
8:50	Using prestack migrated gathers, dense well control, and CNN to estimate well log properties in the absence of P-wave and S-wave logs	David Lubo, Berk Caf, and Alex Vera
9:00	Break	
9:10	Augmenting AASPI i/o with the use of BluWare VDS and python VTK	Thang Ha and David Lubo
9:25	Deployment plans for seismic geochronostratigraphy software	Bo Zhang
9:40	Update on work with the SEG and AAPG societies to document interesting features seen on seismic data -aka Funny Looking Things	Heather Bedle
9:55	3D seismic facies generation via ConvLSTM method	Miao Tian and Sumit Verma
10:10	CNN in polyphase fault classification on the North Slope, Alaska	Shuvajit Bhattacharya, Sumit Verma, and Haibin Di
10:25	Break	
10:35	Defining listric faults from real data to use as training for CNN fault prediction	Alex Vera, Zach Williams, and Heather Bedle
10:50	From fault picks and fault probabilities to fault surfaces - Snapping and the snake algorithm	Jose Pedro Mora and Thang Ha
11:05	Constructing synthetic training data for CNN fault prediction	Bo Zhang
11:20	Multispectral coherent amplitude gradients and Laplacians - Do they provide additional interpretation value?	Karelia La Marca and Kurt Marfurt
11:35	Feedback: What are we doing well, what do we need to improve, and where do we need to go with the current changes in the oil and gas industry?	Consortia Sponsors
12:00	Adjourn	