

DAY 2 Agenda: Review of AASPI 2020 Research Year

| Western Hemisphere - January 12, 8AM-12 Noon CST | | Eastern Hemisphere - January 14, 8PM-12 Midnight CST |
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| Time | Title | Authors |
| 8:00 | http://mcee.ou.edu/aaspi/recorded_presentations/2020/La Marca and Bedle 2020- Seismic attribute optimization for deepwater facies in self organizing maps (SOM) analy- sis.mp4 | Karelia La Marca Molino and Heather Bedle |
| 8:30 | http://mcee.ou.edu/aaspi/recorded_presentations/2020/Bhattacharya et al 2020- Application of seismic attributes and machine learning for imaging submarine slide bloc- ks on the North Slope Alaska.mp4 | Shuvajit Bhattacharya, Miao Tan, Jon Rotzien, and Sumit Verma |
| 9:00 | http://mcee.ou.edu/aaspi/recorded_presentations/2020/Silver et al 2020- Machine learning techniques applied to angle stacks for seismic facies classification.mp4 | Clayton Silver, Heather Bedle, and Matthew Rine |
| 9:30 | http://mcee.ou.edu/aaspi/recorded_presentations/2020/Mora et al 2020- Constructing fault surface objects from fault sensitive attributes.mp4 | Jose Pedro Mora, Heather Bedle, and Kurt J. Marfurt |
| 10:00 | http://mcee.ou.edu/aaspi/recorded_presentations/2020/Lubo- Robles et al 2020 Machine Learning model interpretability using Shapley Additive Exp- lanations SHAP values.mp4 | David Lubo-Robles, Deepak Devegowda, Vikram Jayaram, Heather Bedle, Kurt J. Marfurt, and Matthew J. Pranter |
| 10:30 | http://mcee.ou.edu/aaspi/recorded_presentations/2020/Qi et al 2020- Comparing convolutional neural network and image processing seismic fault detection_ methods.mp4 | Bin Lyu, Jie Qi, Xinming Wu, and Kurt Marfurt |
| 11:00 | http://mcee.ou.edu/aaspi/recorded_presentations/2020/Wang et al 2020- Seismic attenuation measurement by sparse-pulse decomposition of seismic images.mp4 | Yichuan Wang, Kurt Marfurt, Igor Morozov, and Heather Bedle |
| 11:30 | http://mcee.ou.edu/aaspi/recorded_presentations/2020/Zhang and Lou 2020- Automatic horizon picking using a jigsaw puzzle strategy.mp4 | Bo Zhang and Yihuai Lou |