Applied Machine Learning and Advanced Analytics with Oil and Gas Data 20 Sept 2019

Duration	Stavanger Time	Title	Presenter
00:10	08:00 08:10	Welcome / setting the scene	Peter Bormann (ConocoPhillips)
00:30	08:10 08:40	An Introduction: From Traditional Machine Learning to Deep Learning	Anders Waldeland (Norsk Regnesentral)
00:20	08:40 09:00	Automatic Seismic Interpretation. A review of architectures and model performances	Dimitrios Oikonomou (Earth Science Analytics)
00:20	09:00 09:20	Combining Artificial Intelligence with Human Reasoning for Seismic Interpretation	James Lowell (Geoteric)
00:20	09:20 09:40	Applications of artificial intelligence in geoscience at Total : Deep Neural Networks in seismic interpretation	Patrick Stinson (Total)
00:20	09:40 10:00	Deep Learning Neural Network Solution Applied to Seismic Horizon Interpretation	Jens Grimsgaard (Equinor)
00:20	10:00 10:20	Break	
00:20	10:20 10:40	A Million wells, using procedural data generation based on reduced physics to train deep neural network architectures for subsurface development projects in California, USA	Nathan Jones (CRC)
00:20	10:40 11:00	Reservoir Petrophysical Properties estimation from drill cuttings using advanced data analytics	Andrea Peña (Repsol)
00:25	11:00 11:25	Equinor innovation culture, how to use open innovation to solve real problems	Knut Sebastian Tungland (Equinor)
00:35	11:25 12:00	Presentation of the 2019 Force Machine Learning Hackthon projects	Matt Hall (Agile)
00:40	12:00 12:40	Lunch	
00:20	12:40 13:00	Core to seismic property prediction - 3D rock property prediction using machine learning in the Norwegian North Sea	Steve Purves (Earth Science Analytics)
00:20	13:00 13:20	How can machine learning add value to making inferences from reservoir data?	Vasiliy Demyanov (Heriott Watt Univ.)
00:20	13:20 13:40	An ensemble-based kernel learning approach to account for model errors of rock physics models in 4D seismic history matching: a real field case study.	Xiaodong Luo (NORCE)
00:20	13:40 14:00	Data-driven estimates of reservoir properties from 3D/4D seismic – brown field study	Evgeny Tolstukhin (ConocoPhillips)
00:20	14:00 14:20	Creating Trends for Reservoir Modelling Using ANN	Markus Lund Vevle (Emerson)
00:20	14:20 14:40	Break	
00:20	14:40 15:00	Gas flow rate reconciliation and assessment of hydrate formation risk	Anders Sandnes (Solution Seeker)
00:20	15:00 15:20	An effective G&G exploration strategy inspired by a wolfpack	Nina Marie Hernandez (Iraya Energies)
00:20	15:20 15:40	Using NLP to make unstructured data highly accessible in E&P	William Naylor (InMeta)
00:20	15:40 16:00	Using machine learning to read composite logs	Henri Blondelle (Agile DD)
00:05	16:00 16:05	Goodbye and thanks for everything	Elisabeth Femsteinevik (DNO)