



Data Analytics Using GPUs

Presented by the Hewlett Packard Enterprise Data Science Institute
December 12-13, 2019

Workshop Agenda

Thursday, December 12 – Track 1

Classroom and Business Building, CBB 120

8:45 – 9:00	Opening remarks Dr. Claudia Neuhauser Director – HPE Data Science Institute
9:00 – 10:00	Keynote General Hewlett Packard Enterprise Oil and Gas Application Solutions, HPE Paul Immaraj
10:00 – 10:20	Break
10:20 – 10:45	Seismic Express Interpretation on Demand German Larrazabal, Repsol
10:45 – 11:10	Full Waveform Inversion Performance Analysis with Multiple GPUs on Summit Jeremy Kemp, Prairie View A&M University
11:10 – 11:35	Business transformation and workflow efficiency paradigm for E&P industry Ashwani Dev, HALLIBURTON

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11:35 – 12:00	Big Data NN's + HW Acceleration = RealTime <i>Nathan Chang, Quantico Energy</i>
12:00 – 1:00	Lunch
1:00 – 2:00	Keynote General AI from the Data Center to the Oilfield Edge NVIDIA
2:00– 2:25	Digital Transformation and Deep Learning in E&P <i>Kostya Deev, Bluware</i>
2:25 – 2:50	Commonality and Differences on GPUs Utilization Analysis for Current HPC and ML Applications on O&G. <i>Jie Meng, TOTAL</i>
2:50 – 3:15	Real-time Analytics in the Field Using Edge Computing with GPUs <i>Arturo Klie, DeepCast.ai</i>
3:15 – 3:35	Break
3:35 – 4:00	Deep Learning on AWS <i>Carlos Castro, Amazon Web Services</i>
4:00– 4:30	Panel

Friday, December 13 – Track 2
Classroom and Business Building, CBB 120

9:00 – 10:00	NVIDIA technology showcase
10:00 – 10:30	Break
10:30 – 12:00	NVIDIA Tutorial 1
12:00 – 1:00	Lunch
1:00 – 4:00	NVIDIA Tutorial 2