

# Energy in Data Workshop 2021

## SCHEDULE AT A GLANCE

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### Digital Journey - Lessons captured to invoke the next frontier of innovation

**Organizer:** Sid Misra

TAMU Collaboration Team: Eliza Ganguly, Keyla Gonzalez, Rui Liu, Cody McIntyre, and Julian Uribe

#### Monday, 12 April 2021

7:45 - 8:00 AM	<b>Energy in Data Opening Session</b>
8:00 - 8:40 AM	<b>The Energy Future: Data Science as a Catalyst in the Transformation of Higher Ed</b> Speaker: John Bradford - Colorado School of Mines
8:40 - 9:00 AM	<b>The Energy Intelligence Revolution: AI, Machine Learning and Geospatial Big Data</b> Speaker: Joshua Adler - Sourcewater
9:00 - 9:50 AM	<b>Edge &amp; High Performance Computing in Hydraulic Fracture Monitoring</b> Speakers: Vikram Jayaram & Shuang Zhang - Pioneer Natural Resources
9:50 - 10:00 AM	Networking Break
10:00 - 10:50 AM	<b>Simulation augmented decision making for unconventional reservoir development</b> Speakers: Kainan Wang & Elena Rodriguez - Chevron
10:50 - 11:00 AM	Networking Break
11:00 - 11:50 AM	<b>Ensemble learning to assist completions for stacked pay development</b> Speaker: Raj Malpani & Hannah Xue - Schlumberger
11:50AM - 12:00 PM	Networking Break
12:00 - 12:50 PM	<b>Prediction of Subsurface Data Using Hybrid Approaches</b> Speaker: Birol Dindoruk - University of Houston & Silviu Livescu - Baker Hughes

#### Tuesday, 13 April 2021

8:00 - 8:40 AM	<b>Federated Learning: Collaboration may be required for the lowest cost BOE</b> Speaker: Marc Spieler & Ken Hester - NVIDIA
8:40 - 9:00 AM	<b>Couchbase Mobile &amp; Edge Computing for Oil and Gas</b> Speakers: Mark Gamble - Couchbase
9:00 - 9:50 AM	<b>Digitizing the energy marine industry</b> Speakers: Glen Parkes - Baker Hughes & Kris Vedat - P&O Maritime & Logistics
9:50 - 10:00 AM	Networking Break
10:00 - 10:50 AM	<b>Integrated digital twin for subsea production systems</b> Speaker: Subrata Bhowmik, Gautier Noiray & Harsh Patel- McDermott
10:50 - 11:00 AM	Networking Break
11:00 - 11:50 AM	<b>InnFrac®/InnDrill®: Design for TRUE Real-Time Decision-Making, the Edge Computing Use Cases in Drilling and Completion</b> Speaker: Digzhou Cao - Senior Data Science Advisor - Devon Energy
11:50 AM - 12:50 PM	<b>Virtual Networking</b>

\* NOTE: All times are CT