



2022 GSH FALL FORUM

Applications of Machine Learning: Current State of the Industry

Drawing from Contributions to the May 2022 SPE Workshop and June 2022 URTeC Theme 7 (AI/ML)

November 8, 2022

Topics include a wide variety of current industry applications:

- Evaluating lateral length, completion optimization, drainage volume and EUR, stress shadows, well log outlier identification, fracture network quantification, and permeability estimation
- Applications in carbon sequestration and storage (CCUS) and new energy exploration (geothermal, hydrogen, etc.)

Papers include:

- Felix Herrmann, professor, Georgia Tech, 2019 SEG DL, 2020 SEG Reginald Fessenden Award
 - Current state of AI/ML algorithm usage in industry
- Matthew Reilly, et al., Hess, Estimating real-time pore pressure at the bit
- “Geophysics in the Cloud” 2022 Wildcatter competition results

Discussion Panel:

- “Challenges and Best Practices of Deploying Geoscience ML Solutions”
 - E&P Major Operator Technology VP
 - Service Company Data Analytics VP
 - Cloud Provider (AWS)
 - Geoscience Web App Provider

For Sponsorship and Registration info, call the GSH @ 281-741-1624 or visit gshtx.org