Oklahoma State University
School of Chemical Engineering
Spring 2024 PETE Graduate Seminar Series

When: 4:30 P.M - 5:20 P.M.

Where: 305 Engineering North

01.31.2024

Mayank Tyagi

Louisiana State University
Machine Learning Applications for Safe and Sustainable Energy Transition

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02.7.2024

Yunxing (Aaron) Lu

Texas A&M University
Assessing Oil Spill Impacts in the Gulf of Mexico: A Deep Learning
Based Natural Language Processing Investigation for Risk Mitigation

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02.14.2024

J. Daniel Arthur

N/A
History of Idle & Orphan Oil & Gas Wells in America

02.21.2024

Daniel Bour

University of Michigan
Key aspects of why geothermal well cementing is different and or difficult

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02.28.2024

Eshan Maitra

Oklahoma State University
Experimental Visualization of the Effect of Flow Rate on Downhole Drilling Vibration

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03.06.2024

Lori A. Hathon

University of Houston
Prediction of Pore Volume Compressibility for Unconsolidated Sand Hydrocarbon
Reservoirs Using Laboratory Created Sand Pack Analogues

03.13.2024

Jim Puckette

Oklahoma State University
X-ray fluorescence based elemental analysis and identification of reservoir and non-
reservoir intervals in organic-rich mudrocks

03.27.2024

Gabriel Adua Awejori

Oklahoma State University
Post-Fracturing Rock-Fluid Reactions in Sub-surface
Caney Shale of Southern Oklahoma

04.03.2024

Sherif Elkholy

Oklahoma State University
Monitoring Poroelastic and Mechanical Properties during Geologic CO_2 Storage
using Acoustic Velocities

04.10.2024

Yuanhang Chen

Louisiana State University
Transient Multiphase Flow in Deepwater Well Control, Geothermal, and
CCUS Applications

04.17.2024

Sherilyn Williams- Stroud

John Hopkins University
Integrating Induced Seismicity with Fault Interpretation at the Decatur, IL CCS Projects