Oklahoma State University

School of Chemical Engineering

Spring 2024 ChE Graduate Seminar Series

When: 3:00 P.M - 4:00 P.M.

01.23.2024	Brad Taylor Purdue University Emerging Energy at Phillips 66
01.30.2024	Praveen Meduri University of Louisville Interface Engineering of Transition Metal Chalcogenides for Application in Energy Conversion
02.06.2024	Lauren Taylor Rice University Engineering Materials Across Length Scales: Advanced Materials for Thermoresponsive Polymers and Wearable Electronics
02.13.2024	Yiming Wang North Carolina State University Al-empowered Protein Function Quantifications and Applications
02.20.2024	Steven Crossley University of Oklahoma Catalysis for the Conversion of Plastic Waste
02.27.2024	James W. Harris Purdue University Towards a Sustainable Future Through Oxygenate Catalysis
03.05.2024	Tohren Kibbey University of Oklahoma Machine Learning Pattern Recognition for Per-and Polyfluoroalkyl Substances (PFAS Source Identification in Environmental Samples based on Composition
04.02.2024	Scott Dotson
	University of South Florida Human Health Risk Assessment: The Engineer's Toolbox in Addressing Chemical Risks
04.09.2024	Sungho Shin University of Wisconsin- Madison Harnessing the Power of Parallel and Accelerated Computing for Scalable Decision Making in Energy Systems
04.16.2024	Fengqi You Cornell University Sustainability Analytics for Trending Issues on Virtual Engagement, Digital Assets, ar Transportation Electrification

Bhavik Bakshi

Arizona State University

Reinventing the Chemicals and Materials Industry for a Net-Zero, Nature-Positive World

04.16.2024

Oklahoma State University

School of Chemical Engineering

Spring 2024 PETE Graduate Seminar Series

When:	4:30	P.M -	5:20	P.M.
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Where: 305 Engineering North	Where:	305	Engine	eering	North
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01.31.2024	Mayank Tyagi Louisiana State University Machine Learning Applications for Safe and Sustainable Energy Transition
	Yunxing (Aaron) Lu
02.7.2024	Texas A&M University Assessing Oil Spill Impacts in the Gulf of Mexico: A Deep Learning Based Natural Language Processing Investigation for Risk Mitigation
02.14.2024	J. Daniel Arthur
	<i>N/A</i> 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
02.28.2024	Eshan Maitra
	Oklahoma State University Experimental Visualization of the Effect of Flow Rate on Downhole Drilling Vibrati
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 no 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 C02 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