

# Oklahoma State University

# School of Chemical Engineering

## Fall 2021 ChE Graduate Seminar Series

**When: 3:00 P.M - 4:15 P.M.**

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**Where: 107 Engineering North**

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**08.31.2021**

**Guozhong Cao**

*University of Washington*

Cathode materials with much reduced polarization for high energy conversion efficiency aqueous zinc ion batteries

**09.07.2021**

**Fateme Rezaei**

*Missouri University of Science and Technology*

Dual Function Adsorbent-Catalyst Materials for Integrated CO<sub>2</sub> Capture and Utilization

**09.21.2021**

**Reza Foudazi**

*University of Oklahoma*

Ion Gels from Self-assembly of Amphiphilic Block Copolymers, Ionic Liquids and Oil Mixtures

**09.28.2021**

**Soheil Saraji**

*University of Wyoming*

Enhanced Oil Recovery in Unconventional Reservoirs

**10.05.2021**

**Brian S. Mitchell**

*Tulane University*

Advances in Surface Functionalization of Silicon Nanoparticles Formed by Reactive High Energy Ball Milling (RHEBM)

**10.12.2021**

**Evan K. Wujcik**

*University of Alabama*

Investigation of Polymer Systems and Their Composites for Advanced Functional Materials

**10.19.2021**

**Gregory Hartland**

*University of Notre Dame*

Ultrafast Studies of Single Plasmonic Nanostructures

**10.26.2021**

**Mustafa Onur**

*University of Tulsa*

Reservoir Production Optimization Using Stochastic Gradient- and Machine Learning-Based Methods

**11.02.2021**

**Kevin Chou**

*National Science Foundation*

NSF's Directorate of Engineering and its five divisions

**10.09.2021**

**Mona Eskandari**

*University of California*

Lung Biomechanics Advancements in the Age of COVID-19

**11.16.2021**

**Andrea Armani**

*University of Southern California*

Organic small molecule integrated photonics

**11.30.2021**

**Dayanand Saini**

*California State University*

Is My (Your) Oil Green Enough?