Department of Chemical Engineering

2022 Eisenberg Symposium - Friday, September 30th, 3:30-5:30pm

Title: Modeling Enzyme Immobilizing Scaffolds in Packed Bed
Student: Andrew Rojnuckarin
Mentor: Professor David Foster

Title: CFD Analysis of Viscous Models in the Transition Regime
Student: Quinn Taylor
Mentor: Professor David Foster

Title: Structure-Based Protein Design and Understanding Using Deep Learning Method
Student: Catherine Milas
Mentor: Professor Andrew White

Title: Properties of Thin-Film Battery Separators with Additional Crosslinkers
Student: Rebecca Choi
Mentor: Professor Wyatt Tenhaeff

Title: CFD Simulations to Enable Ischemic Stroke Prediction.
Student: Yiwen Sun
Mentor: Professor David Foster

Title: Probing the viability of mesoporous Fe-GSM catalyst as dual functional material for CO2 hydrogenation
Student: Nhuja Maharjan
Mentor: Professor Marc Porosoff

Title: Computational Fluid Dynamics Modeling of Ureteroscopic Irrigation
Student: Paul Williams
Mentor: Professor David Foster

Title: Electrocatalytic Degradation of the PFAS Chemical Perfluorooctanoic Acid
Students: Quinn Yu and Teona Taseska
Mentor: Professor Astrid Mueller

Title: Tuning Activity of Promoted Tungsten Carbide Catalysts for Reverse Water Gas Shift Reaction Pathways
Student: Danielle Getz
Mentor: Professor Marc Porosoff

Title: A Novel Deep Learning Approach to Electrocatalyst Relaxed Energy Prediction
Student: Allison Roll
Mentor: Professor Andrew White