

**Chemical Engineering Student Seminar Day – April 24, 2025****Location: Dupuis 215****Time: 9:00am****Chair: Dr. Barz****Co-Chair: Mouna Harb**

<b>TIME</b>	<b>SPEAKER</b>	<b>SUPERVISOR</b>	<b>TITLE</b>
9:00am	Jakob Straznicky	McAuley	Advanced Fundamental Modelling and Parameter Estimation Techniques for Polymerization Processes
9:30am	Bassey Eyo	Guay	Hybrid Observer framework for Bioreactors with Asynchronous Measurements and Human-In-The-Loop Delays
9:50am	Andrew Sellathurai	Barz	Strategies to design high-performance zinc-based batteries using graphene: New vanadium graphene hydrogel cathode and anode dendrite mitigation due to graphene coatings
10:20am	Bright Ofori	McAuley	A-optimal Model-Based Design of Experiments for Processes with Uncertain Inputs
10:40am	<b>BREAK</b>		
10:50am	Abdul Yaeesh Yaish	McLellan/Yang	Hybrid Recycling of Polyvinyl Chloride and Polyethylene Terephthalate: A Life Cycle and Techno-Economic Assessment
11:20am	Anh-Dao Ho	Dinh	Tuning Ionomer Distribution In Catalyst Layers For Efficient Ethylene Electrosynthesis With Diluted CO <sub>2</sub> Feedstock
12:10pm	<b>LUNCH</b>		