

**Chemical Engineering Student Seminar Day – April 23, 2026****Location: Dupuis 215****Time: 9:00 am****Chair: Dr. Koupaie (1st Session) & Dr. Baker (2nd Session)****Co-Chair: Amiraria Latifzadeh (1st) & Joshua Buzolic (2nd)**

<b>TIME</b>	<b>SPEAKER</b>	<b>SUPERVISOR</b>	<b>TITLE</b>
9:00 am	Amir Hossein Behroozi	Meunier/Koupaie	Engineered Chitosan Platforms for Canadian Freshwater Remediation: Targeting Ibuprofen and Dyes
9:30 am	Nimaat Salami	Koupaie	Enhancing Sugar Recovery from Poplar Residues Using Combined Acid–Thermal and Enzymatic Processing
9:50 am	Varsha Sharma	Koupaie	Effect of Delignification on Biogas Production from Poplar Wood Residues
	<b>BREAK</b>		
10:30 am	Aldo Gonzalez Lopez	Escobedo	Inertial microfluidic platform for micro and nanoplastic detection via Surface Enhanced Raman Scattering sensor
11:00 am	Baris Topcuoglu	Hutchinson	Achieving Well-Defined Methacrylate Polymers via Low-Copper Semi-Batch Reversible Deactivation Radical Polymerization
11:20 am	Dante Flores	Baker	Sacrificial Anode-Free Alkyne Electrocarboxylation
12:00 pm	<b>LUNCH</b>		

**Chemical Engineering Student Seminar Day – April 23, 2026****Location: Dupuis 217****Time: 9:00 am****Chair: Dr. Hudon (1st Session) & Dr. Dang (2nd Session)****Co-Chair: Mouna Harb**

<b>TIME</b>	<b>SPEAKER</b>	<b>SUPERVISOR</b>	<b>TITLE</b>
9:00 am	Joel Bartlett	Guay/Hudon	KKL Observer Design for Bioreactors with Unknown Kinetics and Limited Measurements
9:20 am	Yun Woo Choi	McAuley	Modeling of a Fluidized Bed Gasifier
9:40 am	Abdul Yaeesh Yaish	McLellan/Yang	Optimizing facility siting, technology selection, and feedstock allocation for plastics recycling using life cycle assessment integrated with mixed-integer linear programming
			<b>BREAK</b>
10:30 am	Maryam Azhdari	Guay	Extremum Seeking-Based Output Regulation Using Time-Scale Transformation for Nonlinear Systems
11:00 am	Alireza Bagherzadeh Hosseinabad	Docoslis	Separation of isotopic water mixtures using graphene oxide membranes: the influence of membrane fabrication method and filtration mode on separation efficiency
12:00 pm			<b>LUNCH</b>