

**Chemical Engineering Student Seminar Day – April 28, 2022**    **Location: Dupuis 215****Time: 9:00am****Chairs: Dr. Barz and Dr. Guay****Co-Chairs: Lizzie Bygott and Luke Kuo**

<b>TIME</b>	<b>SPEAKER</b>	<b>SUPERVISOR</b>	<b>TITLE</b>
9:00am	Matthew Hawrylow	Barz/Parent	Non-aqueous Graphene Based supercapacitors
9:20am	Amanda Rigg	Cunningham/ Champagne	Simplifying the Modification of Cellulose Nanocrystals by Polymer Adsorption
9:40am	Opeyemi Ajogbeje	Hutchinson	Free-Radical Polymerization Kinetics of 2-(Dimethylamino)ethyl Methacrylate Stimuli-Responsive Polymers
10:00am	Mona Kanso	Giacomin	Coronavirus Pleomorphism
10:20am	<b>Break</b>		
10:30am	Seyed Mohammadmoein Mousavi	Guay	Noise Sensitivity Reduction in Low-power Multi High Gain Observers Using Low-pass Filters
10:50am	Stephen Sanborn	McAuley	Using Gain Conditioning to Address Collinearity in Linear Model Predictive Control
11:10am	Kaveh Abdi	McAuley	Mathematical Modeling and Parameter Estimation for 1,6-Hexanediol Diacrylate Photopolymerization with Bifunctional Initiator