

**Chemical Engineering Student Seminar Day – November 18, 2021    Location: Beamish 109**

**Time: 1:00pm**

**Chair: Dr. McAuley**

**Co-Chair: Sandra Smeltzer**

<b>TIME</b>	<b>SPEAKER</b>	<b>SUPERVISOR</b>	<b>TITLE</b>
1:00pm	Steady Coombs	Giacomin	Complex Viscosity of Star-Branched Macromolecules from Analytical General Rigid Bead-Rod Theory
1:20pm	Matt Schultz	Guay	Newton-seeking Distributed Resource Allocation
1:40pm	Zaid Marfatia	Li	Data Driven Modelling and Optimization of Compressors in Gas Transport Networks
2:00pm	<b>Break</b>		
2:10pm	Kaveh Abdi	McAuley	Estimation of Output Measurement Variances for Parameter Estimation using Error-in-Variables Models
2:30pm	Jennifer Aiello	McAuley	Predicting Molecular Weight and Composition Distribution for Gas-Phase Polyethylene Production with a Multi-Site Catalyst
2:50pm	Abby Liu	McAuley	Estimating uncertainties and parameters for fundamental models with multi-frequency measurements