

Chemical Engineering Student Seminar Day – April 25, 2024**Location: Dupuis 217****Time: 9:00am** **Chair: Dr. Dinh****Co-Chairs: Andrew Sellathurai & Mohammad Bandpey**

TIME	SPEAKER	SUPERVISOR	TITLE
9:00am	Hadi Oliaie	Parent	Fabrication and Characterization of Ionic Liquid/Polymeric Ionic Liquid Mixtures for Supercapacitors: Optimization of Mechanical Properties and Conductivity for Wearable Electronics
9:20am	Aiswarya Ramachandran	Parent	Reprocessing and de-crosslinking of AOTEMPO-mediated crosslinked HDPE
9:40am	Joshua Chamberland	Parent/Barz	Symmetric Ionic Liquid-Based Battery-Supercapacitor Hybrid with Bipolar Nitroxide Radical Redox Activity
10:00am	Guorui Gao	Dinh	Stable Hydrocarbon Production from Bicarbonate Solutions
10:20am	Cornelius Obasanjo	Dinh	<i>In situ</i> regeneration of copper catalysts for long-term electrochemical CO ₂ reduction to multiple carbon products
10:40am	BREAK		

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TIME	SPEAKER	SUPERVISOR	TITLE
11:00am	Shengjing Huang	Ramsay	Short-Chain-Length-co-Medium-Chain-Length Polyhydroxyalkanoates with Vinyl groups: Production and Synthase Analysis with a Recombinant <i>Pseudomonas putida</i>
11:20am	Jakob Straznicky	McAuley	A Deterministic Model to Predict Tacticity Changes During Controlled Degradation of Polypropylene
11:40am	Alaa El Halabi	McAuley	Dynamic Modelling of 1,6-Hexane-diol Diacrylate Photopolymerization in the Presence of Oxygen
12:00pm	Amirhossein Hosseini	Guay	On ReLU Neural Networks as Piecewise Linear Surrogate Models
12:20pm	Bruna Guarino Moraes	McLellan	Mapping the journeys of science-based academic entrepreneurs in the Queen's University ecosystem

LUNCH