

Chemical Engineering Student Seminar Day – April 25, 2024**Location: Dupuis 215****Time: 9:00am****Chair: Dr. Cunningham****Co-Chair: Nick Neokleous**

TIME	SPEAKER	SUPERVISOR	TITLE
9:00am	Yidan Wen	De France	From Microalgae to Sustainable Plastics: Preparing Protein Nanofibers from Algal Biomass
9:20am	Carolina Ordoñez-Franco	Cunningham/ Champagne/ De France	Enhancing the Properties of Latex-based Coatings with Carboxylated Cellulose Nanocrystals
9:40am	Carlos Antonio Ramirez Foyo	Cunningham/ Champagne	Surface modification of chitosan nanocrystals via nitroxide-mediated polymerization
10:00am	Raz Abbasi	Cunningham/ Jessop	Crosslinking CO ₂ -switchable polymers for paints and coatings applications
10:20am	Sandra Smeltzer	Cunningham	Structure-Property Relationships of Amphiphilic Block-Random Copolymers for use as Stabilizers in Emulsion Polymerization
10:40am	BREAK		

Chemical Engineering Student Seminar Day – April 25, 2024 Location: Dupuis 215**Time: 9:00am Chair: Dr. Hutchinson****Co-Chair: Lizzie Bygott & Florence Bullem**

TIME	SPEAKER	SUPERVISOR	TITLE
11:00am	Fatemeh Salarhosseini	Hutchinson	Propagation Kinetics of Sparingly Soluble Monomers in Water (for Emulsion (Co)Polymerization)
11:20am	Melissa Bonilla	Hutchinson	Sustainable and Scalable Routes to Block Copolymers Via Cu-Mediated Reversible-Deactivation Radical Solution Polymerization
11:40am	Opeyemi Ajogbeje	Hutchinson	Development of Functional Polymers with Amino Functionality
12:00pm	Marwa Naime	Kontopoulou/ De France/ Gilbert	Measuring Protein Fiber Orientation with Rheo-SANS Chords
12:20pm	Maryam Ghazizade Fard	Koupaie	Machine learning modelling and optimization of anaerobic co-digestion of waste activated sludge and food waste

LUNCH