

Chemical Engineering Student Seminar Day – April 27, 2017

CHAIRS: Nicolas Hudon & Robin Hutchinson Co-Chairs: Sharmaine Luk, Brad Buren, Joe Glasing

LOCATION: Dupuis 217

Lunch 11:30 – 1:30 in Dupuis 215



TIME	SPEAKER	SUPERVISOR	TITLE
9:30am	Joshua Raveendran	Docoslis	<i>Rapid and sensitive identification and quantification of illicit drugs by combining bottom up fabricated surface enhanced Raman scattering (SERS) substrates and chemometrics</i>
9:50am	Nam Tran	McAuley	<i>Investigation on CO₂ removal using micron-size water droplets in C-3 Process</i>
10:10am	Fei Liu	McAuley	<i>Mathematical Modeling of Nylon 6/6,6 Copolymerization: Beneficial Influence of Comonomers on Degree of Polymerization in Batch Reactor</i>
	15 Minute Break		
10:45am	Ali Shahmohammadi	McAuley	<i>Model-based optimal design of experiments with noninvertible Fisher Information Matrix</i>
11:05am	Ahmed Khafhafera	Zeman	<i>Production of Multi-purpose Bio-solid Feedstock for Oxidation in Cement Calciner from Microalgae Concentrated via Multi-process Technique</i>
11:30am	Lunch Dupuis 215		
1:30pm	Thomas Rooney	Hutchinson	<i>SYNTHESIS, MICELLAR RADICAL POLYMERIZATION KINETICS, AND PERFORMANCE OF CATIONIC HYDROLYTICALLY DEGRADABLE FLOCCULANTS</i>
1:50pm	Ikenna Ezenwajiaku	Hutchinson	<i>THE EFFECT OF ACRYLIC ACID IONIZATION ON RADICAL COPOLYMERIZATION KINETICS IN AQUEOUS SOLUTION</i>
2:10pm	Ashley Clarke	Wells	<i>Modification of Poly(methyl methacrylate) Surfaces with Azobenzene Groups as a Photo-switchable Surface</i>
2:30pm	Praphulla	Kontopoulou	<i>Modification of the rheological and thermal properties of PLA by reactive extrusion in the presence of a multifunctional coagent</i>
2:50pm	Joaquin Arredondo	Cunningham	<i>Synthesis and Characterization of CO₂ Responsive Cellulose Nanocrystals via RAFT-Mediated Grafting-to Approach</i>
	Break		
3:30pm	David Bacon Speaker – Dupuis 217		