

Chemical Engineering Student Seminar Day – Nov 17, 2022 Location: BMH 313

Time: 8:30am Chairs: Dr. De France (1) & Dr. Yang (2) Co-Chairs: Mona Kanso (1) & Bexi Bustillo (2)

TIME	SPEAKER	SUPERVISOR	TITLE
8:30am	Farhad Avazzadeh Samani	Meunier	Microplastics serve as a potential vector for naphthalene from the freshwater system to the human gastrointestinal system
8:50am	Steaey Coombs	Giacomin	Confinement and Complex Viscosity
9:10am	Lauren Gibson	McAuley	Accounting for Temperature Effects When Predicting Molecular Weight and Composition Distribution for Gas-Phase Polyethylene Produced Using a Multi-Site Catalyst
9:30am	Yazan Bdour	Escobedo	Hybrid Nanoparticle-Nanohole Array Sers-Active Nanostructures
9:50am	Maryam Mohamadi	Guay	A model-free reinforcement learning design technique via Lie-Bracket averaging for a class of nonlinear systems
10:10am	BREAK		

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10:30am	Shamim Azimi	Docoslis	A novel “sandwich” assay for multiplexed detection of proteins in physiologically relevant media
10:50am	Herbert Yao	Yang	OVERLAY: an automated toolbox for context-specific genome-scale modelling
11:10am	Haritha Haridas	Kontopoulou	Surface modification of graphene nanoplatelets and their applications
11:30am	Mohamed Wahbi	Kontopoulou	Epoxidized canola oil compatibilized PLA/PBAT blends for 3D printing
11:50am	Xinran Li	Yang	Novel Human Triple Negative Breast Cancer Subtyping Method using Archetypal Analysis