

# Chemical Engineering Student Seminar Day – November 29, 2018

CHAIR: Dr. Escobedo      Co-Chair: Andrew Sellathurai

LOCATION: BMH 213

Lunch 12:30 Beamish-Munro Hall, Rm 213



| TIME    | SPEAKER                     | SUPERVISOR | TITLE   |
|---------|-----------------------------|------------|---|
| 10:40am | Jaime Cazotti               | Cunningham | <i>Graft modification of starch nanoparticles using nitroxide-mediated polymerization</i>               |
| 11:00am | Juan Manuel Gomez Cruz      | Escobedo   | <i>Cost-effective uropathogenic E. coli detection by flow-through nanohole array based POC platform</i> |
| 11:20am | Connor Sanders              | Cunningham | <i>Block-Random Copolymers: Self-Folding and Stabilizers in Emulsion Polymerization</i>                 |
| 11:40am | Break                       |            |   |
| 11:50am | Siavash Purzeynali Miankooh | Ramsay     | <i>Antimicrobial properties of graphene materials</i>   |
| 12:10pm | Srijit Nair                 | Escobedo   | <i>Surface relief gratings on optic fibre tips as cost-effective lab-on-a-tip platform</i>              |
| 12:30pm | Lunch Break                 |            |   |

Please note: Refreshments will be provided in Beamish 213 at **10:30am.**

**CHAIR: Dr. Hutchinson**      **Co-Chair: Loretta Idowu (2:00 – 3:00); Saeed Rismani Yazdi (3:10 – 3:50)**  
**LOCATION: BMH 213**

| TIME   | SPEAKER                | SUPERVISOR | TITLE  |
|--------|------------------------|------------|--|
| 2:00pm | Amin Nasresfahani      | Hutchinson | <i>Distribution of functional groups in starved-feed semi-batch free radical copolymerization: An accelerated stochastic modeling approach</i> |
| 2:20pm | Judith Ebegbulem       | Guay       | <i>Resource allocation for a class of multi-agent systems with unknown dynamics using extremum seeking</i>                                     |
| 2:40pm | Niloofar Shirali Zadeh | Hutchinson | <i>An efficient process for the Cu(0)-catalyzed synthesis and subsequent chain extension of poly(methyl acrylate) macroinitiator</i>           |
| 3:00pm | <b>Break</b>           |            |  |
| 3:10pm | Layal Jbara            | Giacomin   | <i>Macromolecular Tumbling and Wobbling in Large-Amplitude Oscillatory Shear Flow</i>  |
| 3:30pm | Ikenna Ezenwajiaku     | Hutchinson | <i>Effect of functional groups and ionization on the radical copolymerization of acrylic acid and cationic monomers in aqueous solution</i>    |