8:30 a.m. Coffee

8:50 Welcome and Opening Remarks

9:00 - 9:20 Alison Scott, Chemical Engineering, Waterloo
Principal Component Analysis Applied to Polymeric Sensing Materials
(Winner of the 2017 IPR Award for Academic Excellence in Polymer Science/Engineering)

9:20 - 10:00 Industry Speaker: Dr. Joel Goldstein, OMNOVA Solutions Inc.
Title:

10:00 – 10:20 5-Min. Mini Presentations
1) Basma Mahi
Synthesis of pH-responsive Arborescent Amphiphilic Copolymers for Drug Delivery Applications

2) Abdullah Basalem
Characterization of Gemini Surfactants and their interactions with DNA by PEF

3) Zhen Zhang
UV-absorbing Cellulose Nanocrystals as Functional Reinforcing Fillers in Poly (vinyl chloride) Film

4) Serxho Selmani
Access to Poly(heteroarylene–vinylene)s via Rhodium(III)–Catalyzed Hydroarylation of Alkynes

10:20 – 11:00 Coffee and Posters

11:00 - 11:20 Janine Thoma
Predicting Molecular Dimensions of Dendrimers in Solution by PEF

11:20 – 11:40 Noushin Majdabadifarahani
An overview of model discrimination techniques in polymerization processes

11:40 – 12:00 5-Min. Mini Presentations
5) Pengxiang Si
Stretchable Textile Using Silver Coated Polypyrrole Nanowire Nanocomposite for Wearable Electronics Applications

6) **Che Zhang**
   Behaviour of pMDI and Water as a Wood Adhesive on the Silanized Wood Chips

7) **Jenner Ngai**
   Low-cost Synthetic Approach to Prepare Indigoid-based Polymers for Solution Processable P-type Organic Field-effect Transistors

8) **Jingqi Wang**
   Self-Assembly of OPV-Labeled Foldamers in Solution Probed by Fluorescence Anisotropy

12:00 - 1:00  **Lunch**

1:00 - 1:40  Industry Speaker Dr. David Campbell, BASF
   **Title:**

1:40 – 2:00  **Junjie Yin**
   Production and analysis of highly monodisperse oligomeric Polyethylene Oxide

2:00 – 2:20  **Sanjay Patel**
   Pyrene-Labeled Starch Nanoparticles for Explosive Detection

2:20 - 2:40  **Remi Casier, Chemistry, Waterloo**
   Long Range Polymer Chain Dynamics of Structured and Unstructured Polypeptides Probed by PEF
   *(Winner of 2017 IPR Award for Academic Excellence in Polymer Science/Engineering)*

2:40 - 3:05  **5-Min. Mini Presentations**
9) **Kiarash Gholami**
   Effect of Solution Temperature on the Properties of Pour Point Depressant Mimics in Octane and Oil

10) **Zheou You**
   Effect of Oligomer Presence on Polymer Diffusion During Latex Film Formation

11) **Xiaocheng Zhou**
   New Conjugated Building Block IBDP For Organic Solar Cell

12) **Xiguang Gao**
   Epoxy resin enabled robust and multifunctional binders for high energy lithium-sulfur batteries

13) **Mohammed Awed**
   Effects of Surfactant, Water Amount and Mixing speed over AGET ATRP of MMA in Emulsion Reactor
3:05 - 3:40  Coffee and Posters

3:40 - 4:00  Damin Kim
Compression of Nano-sized Amylopectin Fragments Probed by PEF in DMSO

4:00 - 4:20  Dapeng Liu
Dilution-induced hierarchical self-assembly of nanovesicles

4:20 - 4:40  Joseph Khouri
Chitosan Membranes: Crosslinking, Characterization, Edible Films and Other Applications

4:40 - 5:00  Sara Abuadas
Dehydration Polymerization for Poly(hetero)arene Conjugated Polymers

5:00 – 6:00  Poster Session and Closing remarks

6:30- 9:00  IPR DINNER
University Club, Main Dining Room

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