INSTITUTE FOR POLYMER RESEARCH TWENTY-SIXTH ANNUAL SYMPOSIUM ON POLYMER SCIENCE/ENGINEERING

2004

Held at: Conrad Grebel College Great Hall University of Waterloo Waterloo, Ontario Tuesday, May 11 – Wednesday, May 12, 2004

TUESDAY, MAY 11, 2004

8:30 a.m.	Coffee	
8:50	Welcome and Opening Remarks	
9:00 - 9:30	Steve Teertstra, Chemistry, Waterloo Physical characterization of arborescent polystyrene-graft-polyisoprene copolymers (2003 IPR Scholarship Awardee)	
9:30 - 10:00	Mingzhen Zhang, Chemistry, Waterloo Study of the microcrystallisation of ethylene propylene copolymer by fluorescence	
10:00 - 10:30	Mercy Bulsari, Chemical Engineering, Waterloo Extrusion of silicone-modified polypropylene with supercritical CO2 (2003 IPR Scholarship Awardee)	
10:30 - 11:00	Coffee	
11:00 - 11:30	Carlos Lopez, winner joint SPM-CIQA Prize for the Best Thesis on Polymers (MA) and MSED scholarship University of Guadalajara, Mexico CID-DESC, Mexico Study of the polymer blends drop deformation during the blown film process	
11:30 - 12:00 p.m.	Narges Ghadi, Chemical Engineering, Ryerson University Modelling and simulation of emulsion polymerization reactors	
12:00 - 1:30	Lunch	
1:30 - 2:00	Diego Guzman, winner joint SPM-CIQA Prize for the Best Thesis on Polymers (PhD) and MSED scholarship Faculty of Chemistry, Univ. Nacional Autonoma de Mexico (UNAM) University of Mexico (Instituto Mexicano des Petroleo), Mexico Ortho-substituted aromatic polyimides: chemistry, properties and structure	

2:00 -	2:30	Neda Felorzabihi, Chemical Engineering, Ryerson University Modelling and simulation of gas phase ethylene polymerization with Ziegler-Natta and metallocene catalysts in a bubbling fluidized bed reactor
2:30 -	3:00	Jason Xi Zhang, Chemical Engineering, Waterloo In situ polymerization of polyethylene-nanoalumina composites
3:00 -	3:30	Coffee
3:30 -	4:30	Informal Discussions with Graduate Students and IPR Researchers and/or Optional Tours of Facilities
4:30 -	5:30	IPR Industrial Advisory Board MEETING University Club, Burgundy Room
6:00 -	7:30	IPR Industrial Advisory Board DINNER University Club, Burgundy Room
7:30 - 1	10:30	Poster Presentations and Informal Get-together University Club, Main Dining Room (IPR graduate students/researchers and symposium participants)

WEDNESDAY, MAY 12, 2004

8:30 a.m.	Coffee	
9:00 - 9:30	Xiangdong Fang, Professor, Chemistry, Waterloo 1,2-Heteroborolyls: design, synthesis and application of olefin polymerization catalysis	
9:30 - 10:00	Nan Jiang, Chemical Engineering, Waterloo Studies of gas permeation through poly(dimethyl/siloxane)/polyetherimide membranes	
10:00 - 10:30	Coffee	
10:30 - 11:00	Howard Siu, Chemistry, Waterloo Level of association of a pyrene labelled associating polymer as a function of surfactant concentration	
11:00 - 11:30	Li Liu, Chemical Engineering, Waterloo Permeation, sorption and diffusion of olefins in poly(ether block amide) membranes	
11:30 - 12:00	Shuihan Zhu, Chemical Engineering, Waterloo Thermoplastic vulcanizates (TPVs) prepared by reactive processing from blends of reclaimed rubbers and polypropylenes	
12:00 p.m.	Closing remarks/Lunch/Adjournment	

INSTITUTE FOR POLYMER RESEARCH

TWENTY-SIXTH ANNUAL SYMPOSIUM ON POLYMER SCIENCE/ENGINEERING POSTER SESSION TUESDAY MAY 11, 2004 UNIVERSITY CLUB 7:30 pm

Joy Cheng	Relationships between chemical and
Chem Eng'g., Waterloo	micromechanical properties for polyethylene pipes:
Jose Alvarado	Structural application and micromechanical
Civil Eng'g., Waterloo	modelling
Jason Dockendorff	<u> </u>
	Metal-loaded arborescent polymer micelles
Chemistry, Waterloo	Structurel enjectuery and chamical transformations
Diego Guzman	Structural anisotropy and chemical transformations
FQ-UNAM (CID-DESC),	of rod-like polyimides with ortho substituents in
Mexico	diamine moiety
Sumit Kundu	Mechanical properties of membranes for fuel cells
Chem. Eng'g, Waterloo	
Mike Leamen/	Advances with copolymerizations at elevated
Matt Scorah	temperatures
Chem. Eng'g, Waterloo	
Ziqiang Li	Solubility and diffusion coefficient of supercritical
Chem. Eng'g, Waterloo	carbon dioxide in nylon-66
Gabriel Njikang	Induced association of arborescent amphiphilic
Chemistry, Waterloo	copolymers at the air/water interface
Sheena Shankar/	Copolymerization of methyl methacrylate with
Ramin Khesareh	styrene and acrylonitrile at elevated temperatures
Chem. Eng'g., Waterloo	
Bushra Siddique	A new biocompatible drug delivery system
Chemistry, Waterloo	
Carlos Lopez	Blends of Poliamide-6/low density polyethyl-ene
Univ. of Guadalajara,	blown films: study of processing-morphology-
Mexico	properties relationships
Zhongshun Yuan	One-pot synthesis of arborescent polymers
Chemistry, Waterloo	