Novel trends in rheology II

Polymer Centre
Faculty of Technology
Tomas Bata University in Zlín
TGM 275
76272 Zlín
Czech Republic

August 14, 2007

Time	Event	Presentation Title
7:30-7:55	Registration	
7:55-8:00	Welcome	
	(Chairmen: Martin Zatloukal)	
8:00-9:00	Daniela Hertel *University of Erlangen, Germany*	Experimental Investigations of the Entry Flow of Polyethylene Using Laser-Doppler Velocimetry
9:00-9:30	Peter Olley *University of Bradford, UK*	Simulation of Flows of LDPE Using the Molecular Stress Function Model with Convective Constraint Release
9:30-10:00	Cofee break & Exhibition	
	(Chairmen: Ivan Machac)	
10:00-10:30	Tim Gough *University of Bradford, UK*	Coupled 3D Stress, Velocity and Temperature Field Measurements for Flowing Linear and Branched Polymer Melts
10:30-11:00	Martin Zatloukal *Tomas Bata University in Zlin, Czech Republic*	Progress in Viscoelastic Modeling of Polymer Processing with Respect to Free Surface Flow Instabilities
11:00-11:30	Jiri Vlcek *Compuplast International, Czech Republic*	A 3D Study of Flow Through a Spiral Die Geometry
11:30-13:00	Lunch & Exhibition	
	(Chairmen: Tim Gough)	
13:00-13:30	Karen Xiao *Brampton Engineering, Canada*	Effect of Screw Geometries on Extrusion of Wood-HDPE Blends
13:30-14:00	Karen Xiao *Brampton Engineering, Canada*	Investigating Interfacial Instability in Multilayer Blown Film
14:00-14:30	Adrian Kelly *University of Bradford, UK*	Extrusion Melt Temperature Field Measurement
14:30-15:00	Cofee break & Exhibition	
	(Chairmen: Peter Olley)	
15:00-15:30	Karen Xiao *Brampton Engineering, Canada*	Flow and Mixing in a Variable Speed Co-rotating Self-wiping Twin-screw Extruder
15:30-16:00	Miguel Nobrega *University of Minho, Portugal*	Automatic Design in Profile Extrusion: Flow Balance and Cooling
18:00	Conference dinner	

August 15, 2007

Time	Event	Presentation Title
	(Chairmen: Petr Filip)	
8:00-8:30	Pavlinek Vladimir *Tomas Bata University in Zlin, Czech Republic*	Viscoelastic Properties of Electrorheological Fluids Based on Urea Modified Silica Nanoparticles
8:30-9:00	Ivan Machac *University of Pardubice, Czech Republic*	Viscoelastic Effects in the Flow of Polymeric Fluids Through Beds of Solid Particles
9:00-9:30	František Rieger *Czech Technical University in Prague, Czech Republic*	Rheometry of the Fine Concentrated Suspensions
9:30-10:30	Cofee break & Poster section	
	Katerina Chaloupkova *Tomas Bata University in Zlin, Czech Republic*	Analysis of Die Design Effect on the Die Drool Phenomenon for Metallocene Based LLDPE
	Radek Pivokonsky *Institute of Hydrodynamics, Czech Republic*	Influence of Reactive Extrusion Process on Rheological Properties of Metallocene Polypropylenes
	Vladimir Sedlarik *Tomas Bata University in Zlin, Czech Republic*	Biodegradation Study of Linear Low-Density Polyethylene Composites Through Rheological Measurements
	(Chairmen: Miguel Nobrega)	
10:30-11:00	Jana Mikesova *Institute of Macromolecular Chemistry, Czech Republic*	Effects of Mixed Compatibilizers on Morphology and Rheological Properties of Polystyrene/Polyolefin Blends
11:00-11:30	Petr Filip *Institute of Hydrodynamics, Czech Republic*	On the Characterisation of the Vočadlo Fluids using a Back Extrusion Technique
11:30-12:00	Jiri Vlcek *Compuplast International, Czech Republic*	The Effect of Material Selection in Feed-block Coextrusion of a Three Layer Film
12:00-13:30	Lunch & Exhibition	
	(Chairmen: Jiri Vlcek)	
13:30-14:00	Johan De Witte *3M Belgium N.V. – Dyneon, Belgium*	Polymer Processing Additives to Enhance Extrusion Processing of Bimodal HDPE for High Pressure Pipe Applications
14:00-14:30	Dietmar Boettner *TI Automotive, Germany*	Single Screw Design Optimisation for Fuel Line Barrier Layer Material Based on Extrusion Process Simulation
14:30-15:00	Biran Toure *Nexans Research Centre, France*	Cable Manufacturing: Understanding the Relationship Between Material and Process for Better Product Quality
15:00-15:30	Refreshment & Exhibition	