

Technical Presentations

Thursday, July 16, 2009

5:00 PM - 8:00 PM	Registration	Conference Center
7:00 pm - 10:00 pm	Reception	Conference Center

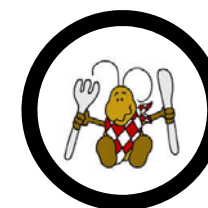


Friday, July 17, 2009

8:45 am - 9:00 am	Opening Remarks	Conference Center
9:00 am - 9:30 am	"36 Years in Polymers," Dr. Andrew J. Wnuk Procter & Gamble Co.	
9:30 am - 10:00 am	TBA, Dr. Pradip Das, Monsanto	
10:00 am - 10:30 am	Break	
10:30 am - 11:00 am	"Structure—Property Behavior of Multi-layer Meln Blown Non-Woven Webs," Dr. Eugene Joseph 3M, Virginia Tech	
11:00 am - 11:30 am	"Engineering Particles for Applications in Life Sciences and Materials Sciences Applications," Professor Joseph DeSimone, University of North Carolina	
11:30 am - 12:00 n	"A Predictive Bioesettlement Model," Professor Tony Brennan, University of Florida	
12:00 n - 1:00 pm	Lunch <i>(for paying participants only)</i>	
1:00 pm - 1:30 pm	"From Polymer Composites to Tailored Materials," Dr. Steve Wilkinson, DuPont	
1:30 pm - 2:00 pm	"Structured Poly(thiophene)/Carbon Nanotube Thin Films for Organic Photovoltaic Applications," Professor Mike Hickner, Penn State University	
2:00 pm - 2:30 pm	"Polymers in Medical Devices: Applications & Challenges," Dr. Kalpana Viswanathan, Boston Scientific	
2:30 pm - 3:00 pm	Break	
3:00 pm - 3:30 pm	"Modification of Melt Rheology of Olefin Block Copolymers," Dr. Pankaj Gupta, Dow Chemical	
3:30 pm - 4:00 pm	"Application Driven Synthetic Methods," Dr. Jim Hedrick, IBM	
4:00 pm - 4:30 pm	"Hybrids Between Blacksburg and Kyoto," Professor Yoshiki Chujo, Kyoto University, Kyoto, Japan	
6:30 pm - 7:30 pm	Social Hour	German Club
7:30 pm - 10:00 pm	Music provided by "Poly and/the Mers" Banquet Guest Speaker: Prof. James P. Wightman	German Club

Saturday, July 18, 2009

9:00 am - 9:45am	Reminiscences Prof. Garth Wilkes "Some Reflections"	130 ChemPhys
9:45 am - 10:30 am	Prof. Jim McGrath, Virginia Tech "Reflections on 34 Years @ VT (53 total) and Plans for the Future"	
10:30 am - 11:00 am	Break	
11:00 am - 12:00 n	Alumni Project	130 ChemPhys
2:00 pm - 4:00 pm	Picnic	Blacksburg Municipal Park

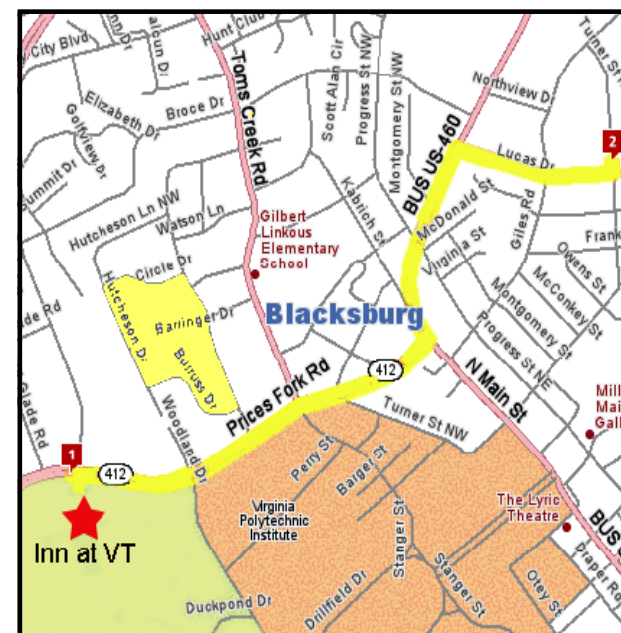


Picnic

Blacksburg Municipal Park
Family Picnic Large Shelter
920 Turner Street NE

Est. Drive Time: 7 minutes **Est. Distance:** 1.5 miles

1. Turn (R) into Prices Fork Rd.
2. Turn (L) onto BUS US-460 (N. Main St.) (0.4 miles)
3. Turn (R) onto Lucas Dr (0.3 miles)
4. Turn (L) onto Turner Street (0.1 miles)



Speaker's Info

Professor Tony Brennan, University of Florida Advisor: Prof. Garth L. Wilkes
Thesis Title: Structure/Property Behavior of Inorganic/Organic Sol-gel Derived Hybrid Materials
Year of Degree: 1990

Professor Yoshiki Chujo, Kyoto University, Japan
[Post-Doctoral Research Fellow]
Advisor: Prof. Jim McGrath
Thesis Title: Synthesis of alpha,omega-Bifunctional Fluorine-Containing Polysiloxanes by Hydrosilation Reaction
Year of Degree: Working period: Oct. 1982 - Oct. 1983 [Ph.D.] 1980 (supervised by Prof. Takeo Saegusa, Kyoto University, Japan)

Professor Joseph DeSimone, University of North Carolina
Thesis Advisor: Prof. Jim McGrath
Thesis Title: Synthesis of Well-Defined Single and Multiphase Polymers Using Various Living Polymerization Methods
Year of Degree: 1990

Dr. Pankaj Gupta, Dow Chemical
Thesis Advisor: Prof. Garth Wilkes
Thesis Title: Processing-Structure-Property Studies of: I) Submicron Polymeric Fibers Produced By Electrospinning and II) Films Of Linear Low Density Polyethylenes As Influenced By The Short Chain Branch Length In Copolymers Of Ethylene/1-Butene, Ethylene/1-Hexene & Ethylene/1-Octene Synthesized By A Single Site Metallocene Catalyst
Year of Degree: 2004

Dr. Jim Hedrick, IBM
Advisor: Prof. Jim McGrath
Thesis Title: Thermoplastic Toughened Epoxies
Year of Degree: 1984-85

Professor Mike Hickner, Penn State University
Advisor: Prof. Jim McGrath
Thesis Title: Transport and Structure in Fuel Cell Proton Exchange Membranes
Year of Degree: 1998

Dr. Eugene Joseph (3M), Virginia Tech
Thesis Advisor: Prof. Garth Wilkes
Thesis Title: Morphological Studies of a Thermotropic Liquid Crystalline Copolyester
Year of Degree: 1983

Dr. Steve Wilkinson, DuPont
Thesis Advisor: Prof Tom Ward
Thesis Title: Toughened Bismaleimides their Carbon Fiber Composites and Interphase Evaluation Studies
Year of Degree: 1991

Dr. Andrew J. Wnuk, Procter & Gamble Co.
Thesis Advisor: Prof. Jim McGrath
Thesis Title: Engineering Properties of Multiphase Block Copolymers
Year of Degree: 1979 – Ph.D. Materials Engineering Science.

Dr. Kalpana Viswanathan, Boston Scientific
Thesis Advisor: Profs. Thomas C. Ward & Timothy E. Long
Thesis Title: Synthesis and Characterization of Novel Polymers for Functional and Stimuli Responsive Coatings on Silicon Surfaces
Year of Degree: 2006

2009 Polymer Symposium

July 16-18, 2009

Inn at Virginia Tech and
Skelton Conference Center
Blacksburg, Virginia 24061