

The 5th ACS-PMSE/CCS-PD Joint Symposium on Polymers

Organizer: Qinghuang Lin (ACS-PMSE) and Du-Jin Wang (CCS-PD)

Suzhou, China

2015.10.20 (Tue.) Morning		Room:
8:30-8:40	Introductory Remarks	
8:30-10:10		Presider: Jinliang Qiao
8:40-9:10	Molecular Structure vs. Processing: Relationships that Govern Electronic Polymer Performance Elsa Reichmanis (Georgia Inst. Tech., USA)	
9:10-9:40	Functional Materials Development Based on PDI and NDI: Supramolecular Chemistry Designs Dahui Zhao (Peking Univ., China)	
9:40-10:10	Bimodal Comb Block Polyolefins from Serial Reactors Andy H. Tsou (ExxonMobil Chem. Co., USA)	
10:10-10:30	Group Photo & Tea Break	
10:30-12:00		Presider: Elsa Reichmanis
10:30-11:00	Novel Polymer Based N-doped Carbon Materials and Applications Jinliang Qiao (SINOPEC Beijing Res. Inst. of Chem. Ind., China)	
11:00-11:30	Harnessing Transport Through Structured Polymeric matrices: New Materials for Lithium Batteries, Sensors and Sustainable, Energy-Efficient Buildings. Sergio Granados-Focil (Clark Univ., USA)	
11:30-12:00	Smart Fibers for Color and Shape Changes Huisheng Peng (Fudan Univ., China)	
10:20-13:00	Lunch	
10:30-14:00	Poster Session	
Afternoon		Room:
14:00-15:30		Presider: Yongfeng Men
14:00-14:30	Molecular Modeling of the Mechanical Behavior of a Semicrystalline Polymer Gregory C. Rutledge (MIT, USA)	

14:30-15:00 Molecular Simulations of Strain-induced Polymer Crystallization
Wenbing Hu (Nanjing Univ., China)

15:00-15:30 Ordered Phases of Chiral Block Copolymer Melts: Mesochiral Morphologies via Self-Assembly
Gregory M. Grason (Univ. of Massachusetts Amherst, USA)

15:30-15:50 Tea Break

15:50-17:30

Presider: Gregory C. Rutledge

15:50-16:20 Tensile Deformation of Semi-crystalline Polymers
Yongfeng Men (Changchun Inst. of Applied Chem., CAS, China)

16:20-16:50 Biomaterials Processed via Hot Melt: Extrusion: From Molecular Modifications to Macroscale Properties
Jonathan K. Pokorski (Case Western Reserve Univ., USA)

16:50-17:20 Design and Development of Functional Biodegradable Polycarbonates and Polypeptides for Emerging Biomedical Applications
Zhiyuan Zhong (Soochow Univ., China)

17:20-17:30 Closing Remarks

18:00 Symposium Dinner

Molecular Structure vs. Processing: Relationships that Govern Electronic Polymer Performance
Dalsu Choi, Gang Wang, Cornelia Rosu, Nabil Kleinhenz, Ping-Hsun Chu, Jung Ok Park, Paul S. Russo, Mohan Srinivasarao, and Elsa Reichmanis (Georgia Inst. Tech., USA)

Molecular Modeling of the Mechanical Behavior of a Semicrystalline Polymer
Jun Mo Kim, Sanghun Lee, Vaibhaw Kumar, and Gregory C. Rutledge (MIT, USA)

Bimodal Comb Block Polyolefins from Serial Reactors
Andy H. Tsou, Carlos R. Lopez-Barron, Peijun Jiang, and Donna J. Crowther (ExxonMobil Chem. Co., USA)

Harnessing Transport Through Structured Polymeric matrices: New Materials for Lithium Batteries, Sensors and Sustainable, Energy-Efficient Buildings.
Sergio Granados-Focil (Clark Univ., USA)

Biomaterials Processed via Hot Melt: Extrusion: From Molecular Modifications to Macroscale Properties
Jonathan K. Pokorski (Case Western Reserve Univ., USA)

Ordered Phases of Chiral Block Copolymer Melts: Mesochiral Morphologies via Self-Assembly
Gregory M. Grason (Univ. of Massachusetts Amherst, USA)

Functional Materials Development Based on PDI and NDI: Supramolecular Chemistry Designs
Kang Cai, Jiajun Xie, Yikun Guo, Qifan Yan, Chenhao Zhang, and Dahui Zhao (Peking Univ., China)

Smart Fibers for Color and Shape Changes
Huisheng Peng (Fudan Univ., China)

Novel Polymer Based N-doped Carbon Materials and Applications
Jinliang Qiao (SINOPEC Beijing Res. Inst. of Chem. Industry, China)

Tensile Deformation of Semi-crystalline Polymers
Ying Lu, Yaotao Wang, Ran Chen, Zhiyong Jiang, and Yongfeng Men (Changchun Inst. of Applied Chem., CAS, China)

Molecular Simulations of Strain-induced Polymer Crystallization
Yijing Nie, Liyun Zha, Miaomiao Zhang, Yang Zhou, Huanhuan Gao, and Wenbing Hu (Nanjing Univ., China)

Design and Development of Functional Biodegradable Polycarbonates and Polypeptides for Emerging Biomedical Applications
Chao Deng, Fenghua Meng, Ru Cheng, Jian Zhang, and Zhiyuan Zhong (Soochow Univ., China)