

Preliminary Technical Program

Sunday – October 14

4:00 PM Registration Booth opens

SESSION I

Session Chair: TBD

5:45 PM **Welcome and Introductory Remarks by Workshop Chairs**
Tim Long and Jim Hedrick

6:00 PM 1. *INVITED*
Title TBD
LaShanda Korley, University of Delaware

6:45 PM 2. *INVITED*
Title TBD
David Mecerreyes, POLYMAT- University of the Basque Country, Spain

7:30 PM Welcome Reception

Dinner on your own

Monday – October 15

7:00 AM Continental Breakfast

SESSION II

Session Chair: TBD

8:00 AM 3. *INVITED*
Periodic Mesoporous Structured Polyimides
Teruaki Hayakawa, Tokyo Institute of Technology, Japan

8:45 AM 4. **Graphene-polymer Nanocomposites: Nematic vs Isotropic Mixing**
Theo Dingemans, University of North Carolina, Chapel Hill

9:15 AM 5. **Title TBD**
Stephen A. Miller, University of Florida

9:45 AM 6. **TBD**

10:00 AM Break

SESSION III

Session Chair: TBD

- | | | |
|--------------------------|-----|---|
| 10:15 AM | 7. | <i>INVITED</i>
A New Era for Hydrocarbon, Solid Polymer Electrolyte Membranes using Polycondensation
Steven Holdcroft, Simon Fraser University, Canada |
| 11:00 AM | 8. | Coatings based on Novel Isocyanate-free Polyurea Dispersions
Cor Koning, DSM Coating Resins, The Netherlands |
| 11:30 AM | 9. | Reversibly Assembling Polymer Systems
Chris Wohl, NASA Langley Research Center |
| 12:00 PM | 10. | Title TBD
Maruti Hegde, UNC Chapel Hill |
| 12:30 PM | 11. | <i>INVITED</i>
(AB)_n-segmented copolymers for additive manufacturing
Hans-Werner Schmidt, University of Bayreuth, Germany |
| 1:15 PM
To
6:30 PM | | Lunch and Dinner on your own

Poster Gallery open for poster set up

Afternoon off (optional trip to Mount Vernon, details to come) |
-

SESSION IV

Session Chair: TBD

- | | | |
|---------|-----|--|
| 6:30 PM | 12. | Title TBD
Nancy Zhang, Carbon 3D |
| 7:00 PM | 13. | Title TBD
Robert B. Moore, Virginia Tech |
| 7:30 PM | | Break |
| 7:45 PM | 14. | Polybenzimidazoles: Chemistry and Electrochemical Devices
Brian Benicewicz, University of South Carolina |
| 8:15 PM | 15. | Functional Polycarbonates for Improved Adhesion to Carbon Fibre
Jan Henk Kamps, SABIC, The Netherlands |
| 8:45 PM | 16. | TBD |
| 9:15 PM | | Official Poster Session & Networking Reception |
-



Tuesday – October 16

7:00 AM Continental Breakfast

SESSION V

Session Chair: TBD

- 8:00 AM 17. *INVITED*
Synthesis of Cyclic Polymers by means of Unstoichiometric Suzuki-Miyaura Polycondensation
Tsutomu Yokozawa, Kanagawa University, Japan
-
- 8:45 AM 18. **High Temperature Metathesis Chemistry**
Kenneth Wagener, University of Florida
-
- 9:15 AM 19. **VOLCAT: A Catalytic Process for the Rapid and Selective Digestion/Depolymerization of Poly(esters)**
Robert D. Allen, IBM Almaden Research
-
- 9:45 AM 20. **Crosslinking of Cyclic Olefin Polymer via Thermal Imidization for Transparent Film Formation**
Takeo Suga, Waseda University, Japan
-
- 10:15 AM Break
-

SESSION VI

Session Chair: TBD

- 10:30 AM 21. *INVITED*
Defined Polycondensate-based Architectures through Hetero-functional Coupling Agents
Brigitte Voit, Leibniz-Institut für Polymerforschung Dresden e.V. (IPF), Germany
-
- 11:15 AM 22. **Nonstoichiometric Friedel-Crafts Polycondensation in Superacid Based on Reactivity Change by Protonation-Deprotonation**
Kazuya Matsumoto, Akita University, Japan
-
- 11:45 AM 23. **Alternating Copolyamides**
Rudy Rulkens, DSM Materials Science Center, The Netherlands
-
- 12:15 PM 24. **High Performance Copoly(ester-imide)s**
Stephen Jones, DuPont Teijin Films U.K Ltd., United Kingdom
-
- 12:15 PM Lunch on your own
To
4:00 PM Afternoon off
-



SESSION VII

Session Chair: TBD

- | | | |
|---------|-----|--|
| 4:00 PM | 25. | <i>INVITED</i>
Improving Polybenzimidazoles: Thermally-rearrangede PBI/polyimide Blends as Gas Separation Membranes
Benny Freeman, University of Texas |
| 4:45 PM | 26. | Synthesis and Properties of Polyesters with Monomers from Biobased Sources
Doris Pospiech, Leibniz-Institut für Polymerforschung Dresden e.V., Germany |
| 5:15 PM | 27. | Acid-catalyzed Condensation Reactions for Synthesis of Quaternary Ammonium Polymers and Their Applications in Alkaline Membrane Fuel Cells
Chulsung Bae, RPI |
| 5:45 PM | | Dinner on your own |
-

SESSION VIII

Session Chair: TBD

- | | | |
|---------|-----|---|
| 7:00 PM | 28. | <i>INVITED</i>
Title TBD
Miriam Unterlass, Institute of Materials Chemistry, TU Wien, Austria |
| 7:45 PM | 29. | Synthesis and Properties of Long-chain Branched Condensation Polymers
Jikei Mitsutoshi, Akita University, Japan |
| 8:15 PM | 30. | Multicomponent Reactions for the Synthesis of Aromatic and Heterocyclic Polymers
Catherine Marestin, Université de Lyon, France |
| 8:45 PM | | Evening together in Alexandria at a local establishment |
-



Wednesday – October 16

7:30 AM Continental Breakfast

SESSION IX

Session Chair: TBD

- 8:00 AM 31. *INVITED*
New polymers via the Biginelli reaction
Lei Tao, Tsinghua University, China
- 8:45 AM 32. **Impact of Si-OH Condensation on Surface Science of Pt Catalyzed Hydrosilylation Cured Silicones**
Ken Wynne, Virginia Commonwealth University
- 9:15 AM 33. **High Acid Functional Polyesters from Trimellitic Anhydride or Citric acid and Epoxides**
Paul Buijssen, DSM Coating Resins, The Netherlands
- 9:45 AM 34. **Cyclic Polyesters via ROPPOC or REP**
Hans Kricheldorf, University of Hamburg, Germany
- 10:15 AM 35. **TBD**
- 10:45 AM Break
-

SESSION X

Session Chair: TBD

- 11:00 PM 36. *INVITED*
Expanding The Scope of Perfluoroarene SNAr In High Performance Materials and Nanomedicine
Nathan Park, IBM
- 11:45 AM 37. **Synthesis and Biological Properties of Enzymatically Catalyzed Poly(butylene Succinate)(PBS) Copolymers**
Miroslawa El Fray, West Pomeranian University of Technology, Poland
- 12:15 AM 38. **Structure-property Relationships of High Molecular Weight Copolyesters containing TMCD Glycol**
Jim Goetz, Eastman Chemical Company
- 12:45 PM 39. **Mechanistic Insight into Silanol Condensation Under Conditions of Rapid Condensate Removal**
Tom Peterson, Dow
- 1:15 PM Closing Remarks, Meeting Adjourns
-

