

13th Annual Northeast Ohio Undergraduate Research Symposium

Thursday, August 4th, 2016

Hosted by:
The College of Polymer Science and Polymer Engineering
at The University of Akron

- Case Western Reserve University
- Kent State University
- NASA Glenn Research Center
- The University of Akron



SPONSORED BY:

- National Science Foundation
- AkzoNobel
- The Dean's Office of the College of Polymer Science and Polymer Engineering



The University of Akron
College of Polymer Science
and Polymer Engineering



13th Annual Northeast Ohio Undergraduate Research Symposium

Agenda - Thursday, August 4th, 2016

8:00-9:00	Registration and morning hospitality	GDYR 2nd floor Atrium
Morning Session (Moderators: Alessandro Perego, Amy Seymore)		
9:00-9:10	Opening remarks	GDYR Auditorium 229
9:10-9:25	Nate Orndorf , Grand Valley State University, Effects of Precursor Solvent Polarity on the Organolead Halide Perovskite Photoactive Layer in Perovskite Solar Cells (Advisors: Dr. Xiong Gong, Kai Wang, The University of Akron)	GDYR Auditorium 229
9:25-9:40	Victoria Volk , St. Ambrose University, Design of Aperture Sensor for Sensory Restoration Prosthesis (Advisors: Dr. Dustin Tyler, Emily Graczyk, Case Western Reserve University)	GDYR Auditorium 229
9:40-9:55	Lindsay Robinson , College of Wooster, Synthesis and Characterization of Linear and Hyperbranched Amino Acid - Based Poly (esterurea)s for Hernia Mesh Repair (Advisors: Dr. Matthew Becker, Nathan Z. Dreger, The University of Akron)	GDYR Auditorium 229
9:55-10:15	Break	GDYR Auditorium 229
10:15-11:15	Keynote Speaker, Dr. Todd Allan Blackledge , The University of Akron Spider Silk: A 400 Million Year Experiment in Materials Science	GDYR Auditorium 229
11:15-12:15	Poster Session 1-20	GDYR 3rd Floor Atrium
12:15-12:30	Group Picture	GDYR Circle
12:30-1:30	Lunch	GDYR 2nd Floor Atrium
Afternoon Session (Moderator: Gregory Brown)		
1:30-1:45	José J. Maldonado Méndez , Universidad de Puerto Rico – Río Piedras, Polyamide Aerogels Cross-linked to Enhance the Strength of the Polymer Chain Backbone (Advisors: Dr. Baochau N. Nguyen, Dr. Mary Ann Meador, Dr. Rocco P. Viggiano, NASA Glenn Research Center)	GDYR Auditorium 229
1:45-2:00	Alexander Weber , The University of Akron, The Effects of Substrate on Morphology of Solvent-Swollen Block-Copolymer Thin Films (Advisors: Dr. Alamgir Karim, Dr. Mesfin Tsige, student mentor, The University of Akron)	GDYR Auditorium 229
2:00-2:15	Mason Dearborn , University of Southern Mississippi, Exploring a Multi-Layered Polysulfone/Polyamide 6,6 System for Fibrous Filtration (Advisors: Dr. Eric Baer, Cong Zhang, Xinting Wang, Case Western Reserve University)	GDYR Auditorium 229
2:15-2:30	Chelsea Zoltowski , Bluffton University, Understanding the Role of Humidity and Surface Chemistry in Gecko Adhesion (Advisors: Dr. Ali Dhinojwala, Saranshu Singla, The University of Akron)	GDYR Auditorium 229
2:30-3:30	Poster Session 21-42	GDYR 3rd Floor Atrium
3:30	Adjourn	