STUDENT AWARDS

School of Polymer Science and Polymer Engineering

Presented by:
Dr. Ali Dhinojwala

May 3, 2021
2019 - 2020
DEAN STEPHEN Z. D. CHENG AWARD - POLYMER ENGINEERING RECIPIENT

Tao Zhu
PhD 2020, Polymer Engineering
Advisor: Dr. Xiong Gong
Research: High Performance Photovoltaics Based on Solution Processed Novel Materials
DEAN STEPHEN Z. D. CHENG AWARD - POLYMER SCIENCE RECIPIENT

Jiancheng Luo

PhD 2020, Polymer Science
Advisor: Dr. Tianbo Liu
Research: Controlling Self-Assembly of Macroionic Solutions via Non-Covalent Interactions: From Supramolecular Structures to Self-Recognition
EASTMAN CHEMICAL COMPANY FELLOWSHIP

Masoud Razavi Aghjeh
PhD 2020, Polymer Science
Advisor: Dr. Shi-Qing Wang
Research: Molecular Mechanics of Glassy and Semicrystalline Polymers
RONALD EBY AWARD

Tze-Gang Hsu
PhD Student, Polymer Science
Advisor: Dr. Junpeng Wang
Research: A Polymer with “Locked” Degradability: Superior Backbone Stability and Accessible Degradability Enabled by Mechanophore Installation
THE MARIA D. ELLUL AND JEFFREY L. SAIN ENDOWED FELLOWSHIP

Dillon Presto

PhD Student, Polymer Science
Advisor: Dr. Mark Foster
Research: Microscale Mechanisms of Filler Reinforcement in Nanoparticle-Filled Rubbers Revealed with in-situ X-ray Photon Correlation Spectroscopy
Nathan Schmitz
PhD Student, Polymer Science
Advisor: Dr. Li Jia
Research: Unconventional Approaches to Rubber Modification: Reinforcement by Supramolecular Assembly, Crosslinking with Ionic Domains, and the Use of Thioaldehyde Intermediates for Grafting to Rubber During Mechanical Mixing
FRISCH FAMILY SCHOLARSHIP

Dillon Presto
PhD Student, Polymer Science
Advisor: Dr. Mark Foster
Research: Microscale Mechanisms of Filler Reinforcement in Nanoparticle-Filled Rubbers Revealed with \textit{in-situ} X-ray Photon Correlation Spectroscopy
GOODYEAR TIRE & RUBBER COMPANY FELLOWSHIP

Nathaniel Orndorf
PhD Student, Polymer Science
Advisor: Dr. Ali Dhinojwala
Research: Chemical and Physical Interactions at the Polymer/Ice Interface
GOODYEAR TIRE & RUBBER COMPANY FELLOWSHIP

Aarushi Srivastava
PhD Student, Polymer Science
Advisor: Dr. Mark Foster
Research: Hairy Nanocrystals for Elastomeric Reinforcement: Understanding Structure and Dynamics Over Multiple Length Scales
MAURICE MORTON AWARD

Travis Smith
PhD Student, Polymer Science
Advisor: Dr. Shi-Qing Wang
Research: Molecular and Fracture Mechanics of Glassy and Semicrystalline Polymers
OHIO RUBBER GROUP
GRADUATE STUDENT AWARD

Masoud Razavi Aghjeh
PhD 2020, Polymer Science
Advisor: Dr. Shi-Qing Wang
Research: Molecular Mechanics of Glassy and Semicrystalline Polymers
2020 - 2021
Joshua Seylar
PhD Student, Polymer Engineering
Advisor: Dr. Ruel McKenzie
Research: Helicene-Based Polymers and the Physics of the Oxidative Photocyclization of Di-aryl Alkenes
Xinyu Sun
PhD Student, Polymer Science
Advisor: Dr. Tianbo Liu
Research: The Control and Visualization of Intermolecular Interactions in Self-Assembly: From Star-Like and Dendron-Like Ionic Hybrid Macromolecules to Biomolecules
RONALD EBY AWARD

Stephen Riley
PhD Student, Polymer Engineering
Advisor: Dr. Erol Sancaktar
Research: Use of Pyrolyzed Biomass as a Conductive Filler for Electrically Conductive Polymers
Linhui Zhu
PhD Student, Polymer Science
Advisor: Dr. Li Jia
Research: Synthesis of Zwitterionic Nickel Catalysts for Carbonylative Polymerizations
FRISCH FAMILY AWARD

Nathan Schmitz
PhD Student, Polymer Science
Advisor: Dr. Li Jia
Research: Unconventional Approaches to Rubber Modification: Reinforcement by Supramolecular Assembly, Crosslinking with Ionic Domains, and the Use of Thioaldehyde Intermediates for Grafting to Rubber During Mechanical Mixing
HANKOOK AWARD

Anvay Patil
PhD Student, Polymer Science
Advisor: Dr. Ali Dhinojwala
Research: Exploring Melanin’s Unique Optical Properties and Its Consequence on Functional Properties
Yuqing Yang
PhD Student, Polymer Science
Advisor: Dr. Tianbo Liu
Research: Self-Assembly Behaviors of Macromolecules and Counterion-Macroion Interactions
INDUSTRIAL EXCELLENCE AWARD
SPONSORED BY DR. MANOJ AJBANI

Mario Echeverri
PhD Student, Polymer Science
Advisor: Dr. Ali Dhinojwala
Research: Bioinspired Synthetic Melanin-Based Structural Colors and Thermally Responsive Nanocomposites
JAMES HARWOOD AWARD

Mangaldeep Kundu
PhD Student, Polymer Science
Advisor: Dr. Abraham Joy
Research: Importance of Molecular Interactions to Design Non-Ionic Coacervates for Drug Delivery Applications
MAURICE MORTON AWARD

Yueh-Ting Lai
PhD Student, Polymer Science
Advisor: Dr. Yu Zhu
Research: 3-D Printable Electrolyte/Electrode for Lithium-Ion Battery Manufacturing
Honghe Liang
PhD Student, Polymer Science
Advisor: Dr. Li Jia
Research: Synthesis, Characterization, and Application of Catechol Coupling Agents for Silica-Reinforced Rubbers
OHIO RUBBER GROUP
GRADUATE STUDENT AWARD

Kayla Williams-Pavlantos
PhD Student, Dept. of Chemistry
Advisor: Dr. Chrys Wesdemiotis
Research: Mass Spectrometry Imaging of Macromolecules and Small Molecules on Polymer Surfaces
QUIRK AWARD

Chung-Fu Cheng
PhD Student, Polymer Science
Advisor: Dr. Yu Zhu
Research: Nanoporous Materials for Energy Storage and Electrocatalysis
SPSPE POLYMER SCHOLARSHIP

Marcus Kozloff
Incoming PhD Student, Fall 2021
Polymer Science
SPSPE POLYMER SCHOLARSHIP

Rudolf Viereckl
Incoming PhD Student, Fall 2021
Polymer Science
CONGRATULATIONS STUDENTS!