



Paul Lynch Pennsylvania State University – Behrend

KENT D. PEASLEE JUNIOR FACULTY AWARD AND STEEL CURRICULUM DEVELOPMENT GRANT

Dr. Lynch continued his work on two modules under the Steel Curriculum Development Grant and worked with Pennsylvania State University – Behrend’s Materials and Manufacturing Group to host a variety of events and activities for students. Plant visits and career fairs provided opportunities for students to network with those in industry.

The Materials and Manufacturing Group (MMG) at Pennsylvania State University – Behrend hosted seven general body meetings during the 2019–2020 school year, one of which took place on Zoom in the spring. Throughout the year, Dr. Lynch traveled to companies to visit MMG students working as interns and co-ops and in full-time positions. This helps to foster relationships with the students and reinforce their interest in manufacturing. It also allows Dr. Lynch to build connections with company leaders.

The MMG went on tours of McInnes Rolled Rings and Urick Ductile Solutions in Erie, Pa., in the 2019–2020 year.

Jesse Pezzuti, Dr. Lynch and Kylan Bartok attended the 2019 Foundry Educational Foundation (FEF) Conference in Chicago, Ill. Pezzuti and Bartok were both awarded 2019 FEF Delegate scholarships for their work in the iron and steel casting industry.

A team of students from the MMG competed in the 2020 SFSA Cast in Steel Bowie Knife Competition. The students worked with PRL RegalCast and Urick Ductile Solutions to design and manufacture high-strength, low-alloy steel knife castings.

MMG’s first AIST student Lunch and Learn was held in November 2019. Both sessions were booked full. Three recent Penn State Behrend graduates now working in the iron and steel industry returned to speak about their companies and work experience in the iron and steel industry.

In spring 2020, the Penn State Behrend School of Engineering and the MMG hosted the Young Erie Professionals Manufacturing Committee to discuss working together on industry projects with a focus on materials and manufacturing research and placement of students in manufacturing in the Erie region.

AK Steel, ATI Specialty Rolled Products, Ellwood National Forge, Elyria & Hodge Foundries, McConway & Torley, SMS group, United States Steel Corporation and Webco Industries attended Penn State Behrend’s college-wide career fair in September 2019.

Dr. Lynch worked with academic mentor Laura N. Bartlett, Wolf Associate Professor of Metallurgical Engineering, Missouri University of Science and Technology; and industry mentor Matthew M. Kremer, division manager — operations technology, ArcelorMittal Cleveland.