



To ensure the iron and steel industry of tomorrow will have a sufficient number of qualified professionals.

### Annual Fund

The Annual Fund is the AIST Foundation's yearly fundraising campaign to strengthen the Foundation's programming through unrestricted contributions from AIST members, corporations and other supporters. To learn more about the charitable work of the AIST Foundation, visit [AISTFoundation.org](https://AISTFoundation.org).

The AIST Foundation thanks the following companies that have pledged a multiyear donation, payable in annual installments, in support of the Foundation's programs. Through this exceptional industry support, the AIST Foundation awards approximately US\$1,000,000 in scholarships and grants annually.

## US\$200,000+ Corporate Sponsors



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## US\$100,000+ Corporate Sponsors



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## Annual Corporate Gift Clubs

Your donation is vital for the AIST Foundation to meet the needs of tomorrow's steel industry. Donate today to give the next generation a helping hand! Make your pledge or donation online at [AISTFoundation.org](http://AISTFoundation.org) or contact Lori Wharrey at [lwharrey@aist.org](mailto:lwharrey@aist.org) or +1.724.814.3044. Your support is greatly appreciated!

### Carnegie Circle ▪ US\$100,000 and Above

- Steel Dynamics Inc.♦

### Frick Society ▪ US\$50,000–\$99,999

- ArcelorMittal North America♦
- Nucor Corp.♦
- United States Steel Corporation♦
- Cleveland-Cliffs Inc.♦
- The Systems Group♦

### Oliver Council ▪ US\$25,000–\$49,999

- ABC Concrete♦
- Hatch♦
- Orbital Engineering Inc.♦
- Bracken Construction
- Lexicon Inc.♦
- SSAB Americas♦
- Cache Valley Electric♦
- Morgan Engineering♦
- Thompson Construction Group♦
- CMC♦
- North Star BlueScope♦

### Schwabe Associates ▪ US\$10,000–\$24,999

- Air Products and Chemicals Inc.♦
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- SMS group Inc.♦
- ANDRITZ Metals USA Inc.♦
- Metallus Inc.♦
- Songer Services Inc.♦
- Charter Steel♦
- Magneco/Metrel Inc.♦
- Tenova Inc.♦
- Civil & Environmental Consultants Inc.♦
- Primetals Technologies USA LLC♦
- TMS International
- Danieli♦
- Sarralle USA
- Zenar Corp.♦

### Morgan Guild ▪ US\$5,000–\$9,999

- Berry Metal Co.♦
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- R.E. Warner & Associates Inc.♦
- ChemTreat♦
- Midrex Technologies Inc.♦
- Resonac Graphite♦
- CID Buildings♦
- Morrison Construction Co.
- Saturday Friends
- Civil & Environmental Consultants Inc.♦
- Pacific Steel Group♦
- Tokai Carbon Co. Ltd.♦
- HWI, A Member of Caldersys
- PGT Trucking Inc.♦
- Vollmer America Inc.♦
- PSI Metals North America Inc.♦

### AIST Foundation Friends ▪ US\$1,000–\$4,999

- American Combustion♦
- DLZ Industrial LLC♦
- Siemens
- CID Associates♦
- Globex Corp.
- Edw. C. Levy Co.♦
- JNE Consultants

### AIST Foundation Supporters ▪ US\$500–\$999

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- Chiz Bros.: Refractory and Insulation Specialists♦
- Falk PLI
- Stelmack, Dobransky & Eannace
- Connors Industrials Inc.♦
- The Gund Co.
- Vail Rubber Works Inc.
- Kocks

♦These companies have made multi-year pledges, in addition to their participation as sponsors for various activities and events.

### Earn a Paid Summer Internship and US\$7,500 in Tuition Funding!

The AIST Foundation is currently accepting Steel Intern Scholarship applications for the 2025–2026 academic year. Steel Intern Scholarships provide students with a paid summer internship at a steel-producing company and US\$7,500 in tuition funding! The deadline to apply is 6 October 2025.

Scholarships are awarded to students upon completion of their internship. Applicants must be full-time students in North America studying engineering, materials science, safety or another steel-related field.

Visit [AIST.org/students-faculty/scholarships/steel-internships-and-scholarships](https://aist.org/students-faculty/scholarships/steel-internships-and-scholarships) to learn more and apply now!

### Professors — Schedule a Virtual Visit With AIST This Semester

Help us share the great opportunities AIST has to offer with your students directly through a virtual lecture! Our staff is available to give a short presentation on our student programs including training and scholarship opportunities. We'll also invite an industry young professional and recent scholarship recipient to join us for the discussion and share their real-world experience. Now is the best time for students to learn more about the exciting potential ahead!

To schedule a virtual lecture with AIST, please contact Courtney Young at [cyoung@aist.org](mailto:cyoung@aist.org) or +1.724.814.3096.

### You're Invited to AIST's 3rd Annual Women in Steel Conference!

All students are welcome to attend AIST's Women in Steel Conference on 22–24 September 2025 in Indianapolis, Ind., USA. This event has been created to support the recruitment, engagement and professional development of women in the global steel industry. Over three days, the event will feature a variety of panel discussions, keynote speakers, and workforce development workshops to enhance attendee personal and professional growth.

Plus, all students receive FREE registration and up to US\$600 of travel reimbursement through the AIST Foundation Steel to Students Program. All you have to do is submit a brief online application.

Professors — if 10 or more of your students register to attend a Technology Training Conference through the Steel to Students Program, you will also receive free registration.

Head to [AIST.org/students-faculty/training-travel-funds/training-program-application](https://aist.org/students-faculty/training-travel-funds/training-program-application) and apply now.



Students had the opportunity to network and learn at the Women in Steel Conference which took place in Pittsburgh, Pa., USA, in 2024 (left to right): Melissa Fortenberry, Ana Carolina de Souza Goncalves, Mia Thompson, Samantha Saunders and Autumn Cook.

## Update: 9th AIST Foundation Matching Funds Challenge

Last November, the AIST Board of Directors approved an increase from US\$1,000,000 to US\$1.5 million for Matching Funds Challenge 9, which runs through June 2026.

We are very pleased to report that the AIST Foundation Trustees have raised to date a total US\$1,640,029! A check ceremony to commemorate the US\$1.5 million goal being reached took place at the President's Reception and Dinner during AISTech in Nashville, Tenn., USA.

"Collectively, our Foundation — together with the strong support from industry — has done some really satisfying work to improve the future of our industry. To do what we do, we must never relent when it comes to fundraising ... Our industry is stronger than ever, and your philanthropy is more important than ever to provide the money needed for these scholarships, internships and academic grants," said Terry G. Fedor II, AIST Foundation President.

A big thanks to the Board of Trustees for their significant fundraising efforts. This is another record for the AIST Foundation!



The AIST Foundation reached their Matching Funds Challenge goal of US\$1.5 million and had a ceremony to recognize this achievement during AISTech 2025 in Nashville, Tenn., USA, during the President's Reception and Dinner. AIST Foundation president Terry G. Fedor II (left) accepted the check from 2024–2025 AIST president Tom Toner (right).

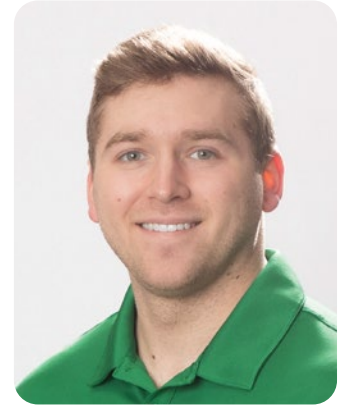


## Steel Intern Report

**Paxton Brown**

University of Alabama

Paxton Brown is from Blytheville, Ark., USA. Paxton is a junior metallurgical engineering major at the University of Alabama. He completed his internship at Nucor Steel Tuscaloosa Inc., Tuscaloosa, Ala., USA.



During the summer of 2024, I had the privilege of interning at Nucor Steel Tuscaloosa, an experience that has significantly shaped my future career in metallurgical engineering. As a co-op intern, I was provided with an invaluable opportunity to gain practical experience and find my footing in this dynamic field. Throughout my time at Nucor, I worked alongside exceptional mentors who were dedicated to imparting as much knowledge as possible in the limited time we had. Additionally, I collaborated closely with the production team, which taught me the importance of building strong relationships and working cohesively as part of a team.

One of the most impactful aspects of my internship was being immersed in Nucor's unique culture, which has fundamentally transformed the way I approach new

tasks and challenges. Safety is Nucor's top priority, and I quickly learned that working safely, as well as ensuring the safety of others, is both a responsibility and a privilege.

My internship duties encompassed both physical and statistical analysis. The primary project I focused on was the secondary cooling process during casting. I contributed to the modeling of new secondary cooling systems based on heat transfer coefficients and the specific chemistry of each steel grade, aligning with upcoming changes in the casting process. This work involved developing and implementing operational practices to maintain proper temperature gradients during continuous casting, ultimately aiming to improve the surface quality of the finished products.

Another significant project I worked on involved the submerged-entry nozzle (SEN), which facilitates the flow of steel from the tundish to the mold while preventing atmospheric reactions. Over time, the SEN erodes due to chemical and physical interactions with the slag line. My role was to extend the SEN's operational life, thereby enabling longer continuous steel production. After each SEN was used, I would cut it with a band saw and measure the erosion points to determine the rate of wear. Through this project, I learned to identify specific process conditions that could accelerate erosion and developed strategies to mitigate these effects.

In addition to these technical projects, I regularly participated in daily morning meetings focused on safety and mill operations, as well as weekly quality meetings. These meetings provided me with a valuable opportunity to observe how the team identifies and resolves issues in real time, reinforcing the importance of teamwork and problem-solving in a high-stakes environment.

I am incredibly grateful to everyone at Nucor Steel Tuscaloosa for making my internship such a rewarding experience. From engaging in meaningful projects to learning the essentials of teamwork, I have gained skills and insights that will undoubtedly serve me well in my future career. I also want to extend my heartfelt thanks to the AIST Foundation for supporting my journey and for their generous contributions to my ongoing education.



## Grant Recipient Report

# Steel Professor Grant

Paul Lynch, Pennsylvania State University Erie

The purpose of this AIST Steel Professor award is to continue the momentum of the Kent D. Peaslee Junior Faculty Award by fostering steel industry interest and AIST Foundation promotion at Pennsylvania State University Erie.

Throughout the 2023–2024 academic year, the Pennsylvania State University Erie Materials and Manufacturing Group hosted seven in-person meetings, went on eight different plant tours in the region, attended various technical conferences and training sessions, focused on recruiting and job/career fairs, and conducted research within a steel-related field.

Pennsylvania State University Erie students visited one plant in August 2023, three in September 2023 and four in January 2024. In addition to these plant tours, they also attended various conferences and training courses. The group went to AISTech 2024 in Columbus, Ohio, the Foundry Education Conference in Chicago, Ill., and the SFSA Cast in Steel Spear Competition in Milwaukee, Wis.

The students also participated in recruitment efforts for the Materials and Manufacturing Group in the fall of 2023 and spring of 2024, where a total of 85 students were interested in learning more about the group. They also went to job and career fairs where they had the opportunity to learn more about careers in the manufacturing and materials industries. ♦



Students from Pennsylvania State University Erie toured McConway & Torley in Pittsburgh, Pa., USA, in January 2024.



Students from Pennsylvania State University Erie at a Material Advantage meeting during the school year.