



Foundation

Information

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Ensuring the iron and steel industry of tomorrow will have a sufficient number of qualified professionals

The AIST Foundation awards more than

US\$700,000

annually to help the steel industry's next generation.



"Before my internship at Dofasco, I did not realize the sophistication of the steelmaking process. I have come to discover that it involves way more technology and knowledge than I could ever imagine. I've been really impressed to see how many people work together to ensure the reliability of the process and the quality of the products. This scholarship opened my mind to the steel industry through my internship at ArcelorMittal Dofasco. It has truly been a very rewarding experience."

Justin Plante
2016 Steel Intern Scholar
ArcelorMittal Dofasco Inc., Hamilton, Ont., Canada



What Is the AIST Foundation?

The AIST Foundation is a Pennsylvania-based 501(c)(3) non-profit corporation organized for charitable, education and scientific purposes. The formal mission of the Foundation is to ensure the iron and steel industry of tomorrow will have a sufficient number of qualified professionals.

The Foundation seeks to attract technology-oriented individuals to the steel industry by educating the public about the high-tech, diverse and rewarding nature of careers in modern steelmaking.

The Foundation works closely with the Association for Iron & Steel Technology (AIST), an international technical association of more than 18,000 professional and student members.

What Does the Foundation Do?

Innovative ideas ultimately come from the next generation. Accordingly, the Foundation awards scholarships to college students, as well as grants to schools and instructors.

How Is the Foundation Funded?

All Foundation programs rely on corporate and individual gifts, association support and financial revenue from its endowment. All donations are tax-deductible where permitted by law.

Who Manages the Foundation?

The activities, properties and affairs are managed by a Board of Trustees consisting of 14 members of AIST, appointed by the AIST Board of Directors. See page 11 for the current list of Trustees.

Engaging the Teachers

Faculty grants are designed to increase:

- The number of engineering faculty with a vested interest in the iron and steel industry.
- The number of students studying metallurgy and materials science.
- The number of such students electing to pursue a career in the iron and steel industry.



“Working at a steel mill offers the opportunity to work closely with your projects and it is very exciting when they start to become a reality. This has been my third internship in the steel industry and I keep coming back for a reason. I plan to pursue a career in steel upon graduation next year. Again, I would like to thank AIST and Nucor for the support and opportunities to develop a career in a field I am passionate about.”

Tyler S. Rigby
2016 Premier Scholar
Nucor-Yamato Steel Co., Blytheville, Ark., USA

Faculty Grants

Steel Curriculum Development Grant

The objective is to utilize undergraduate and graduate students to assist in enhancing industry curriculum, with an underlying objective to increase industry awareness within the academic community. Selected university professors are awarded up to US\$25,000 over three years.

Steel Research & Applications Grant

North American university teams are challenged to interact with a local steel producer on a self-declared technical theme relevant to the North American steel industry. The maximum annual grant is US\$50,000.

Don B. Daily Safety Grant

The objective is to promote a safe workplace for the steel manufacturing industry, to increase the number of students who study health and safety awareness relative to the manufacturing environment and to recruit more students for employment in the steel industry. Selected universities are awarded US\$10,000 annually.

Kent D. Peaslee Junior Faculty Award

Open to all technical engineering disciplines, this award will assist junior faculty in building their research and professional service activities toward obtaining tenure. The award will provide up to US\$100,000 over three years.

Electrical Engineering Grant

The objective is to support the professors in promoting the industry to electrical engineering students, provide direct interaction for these students with the steel industry, and to recruit more electrical engineering students for employment in the steel industry. Selected universities are awarded US\$10,000 annually.

Academic Faculty Engagement Program

The AIST Foundation provides discounts on AISTech — The Iron & Steel Technology Conference and Exposition academic registration and university pavilions in the exhibit hall to increase academic faculty participation.

Visit AIST.org to apply.

Engaging the New Recruits

To advance the future of the iron and steel industry, it is imperative that we support the younger generation. This program urges young professionals (30 years of age or younger) to become active AIST members.

- AIST Young Professionals can join AIST FREE for their first year (for new AIST members only).
- AIST Young Professionals receive a 50% discount at AISTech, steel's premier technology event.



"Returning to Steel Dynamics Inc.'s Roanoke Bar Division has proved to be an invaluable experience by allowing me to broaden both my technical and business skills. My internship has also given me the opportunity to analyze how an entire portion of the facility runs in an effort to optimize workflow as well as generate cost-saving tools and procedures. In addition, my duties have often called for me to work with both managers and operators, allowing me to expand my interpersonal skills."

Zachary M. Corey
2016 Steel Intern Scholar
Steel Dynamics Inc. – Roanoke Bar Division, Roanoke, Va., USA

Young Professionals

Steel to Students Training Program

The AIST Foundation's Steel to Students Training Program provides up to US\$1,000 in assistance for post-secondary vocational/technical school students, undergraduate and graduate-level students to attend AIST's Technology Training Conferences and AIST Member Chapter annual meetings.

The Steel to Students program provides students with increased opportunities to become familiar with Technology Committees and learn firsthand from industry leaders in various steelmaking fields.

Student Events

Each year at major industry events such as AISTech (The Iron & Steel Technology Conference and Exposition) and MS&T (Materials Science & Technology), the AIST Foundation sponsors programming to provide students a window into career opportunities in the steel industry.

- **Materials Camp (MS&T) K-12**

These camps teach high school students about materials through experiments and hands-on demonstrations.

- **Student Contests**

The Student Project Presentation and Graduate Student Poster contests offer university students the opportunity to present their research to conference attendees. The "Real Steel" marketing video challenge engages high school and university students in researching the industry and promoting it to others.

- **Plant Tours**

A student plant tour is offered at a location near AISTech and MS&T.

- **University-Industry Relations Roundtable (UIRR)**

The purpose of the University-Industry Relations Roundtable (UIRR) is to foster communication between our university network and the steel industry. The committee's objective is to increase the number of professors teaching a steel-related curriculum, and to increase the number of students interested in a career in the steel industry.

Engaging the Next Generation

The AIST Foundation works to improve the perception of the steel industry by making students, professors, and the general public aware that today's steel industry is technologically advanced, environmentally aware and safety conscious.

By supporting the education of our next generation, we are building a long-term workforce that is well-trained, skilled and dedicated to the needs of tomorrow's steel industry.



“One of my favorite things about working at the Research Center was the collaboration that was encouraged. I worked with and gained invaluable knowledge from so many different people, and I am very appreciative of their willingness to work with me. The scholarship has not only exposed me to numerous opportunities to expand my network and grow my knowledge of steelmaking and what it takes to be competitive in the metals industry, but it has also helped me confirm that I want to continue my career in the steel industry.”

Richard A. Cammisa
2016 Steel Intern Scholar
AK Steel Corp. – Butler Works, Butler, Pa., USA

Scholarships

Steel Internship Scholarships (US\$6,000–\$12,000 each)

These one-year scholarships include a paid internship with a North American steel company.

- **Steel Premier Internship Scholarship**
One US\$12,000 one-year scholarship
Awarded to the top-scoring applicant of all applications received.
- **Steel Internship Scholarship**
Up to 20 US\$6,000 one-year scholarships

Steel Scholarships (US\$3,000 each)

These one-year scholarships are named in honor of individuals who have made a significant contribution to or achievement in steel technology.

- AIST Willy Korf Memorial Scholarship (4)
- AIST Ronald E. Lincoln Memorial Scholarship (3)
- AIST William E. Schwabe Memorial Scholarship (1)
- AIST Benjamin F. Fairless Scholarship (AIME) (2)
- AIST Foundation Engineering Scholarship (3)
- AIST Smith Graduate Scholarship (AIME) (2)
- AIST David H. Samson Canadian Scholarship (1)

Member Chapter Scholarships

AIST's 22 Member Chapters administer more than US\$75,000 in annual scholarships for qualified individuals within their regions. There are up to 40 scholarships available.

Endowment Scholarships

Students attending the following schools may apply at their institution directly for the AIST scholarships listed below.

- **AIST Farrington Memorial Scholarship Fund**
Awarded by the Rose-Hulman Institute of Technology.
- **AIST Madsen Scholarship Fund**
Awarded by the Massachusetts Institute of Technology (MIT).
- **AIST Morrow Scholarship Fund**
Awarded by the University of Pennsylvania.
- **Lewis E. and Elizabeth W. Young Scholarship (AIME)**
Applies to undergraduates attending Pennsylvania, Virginia or West Virginia universities.

Visit AIST.org to apply.

Please Consider a Donation Today!

The AIST Foundation continues to advance new and exciting programs to enable the steel industry to meet the challenges of the future. These programs serve the industry by:

- Creating a positive perception of the steel industry for students and those who influence them.
- Increasing awareness of the advanced technology in today's steel processes.
- Educating K-12 and university students about the rewarding nature of career opportunities in steel manufacturing.
- Providing scholarship and internship opportunities for students interested in pursuing careers in the steel industry.
- Offering financial assistance to the academic community for steel-related curriculum development and research.
- Encouraging Young Professionals to participate in AIST programs.

Through strong industry support, the AIST Foundation awards in excess of US\$700,000 each year in support of its mission to ensure the iron and steel industry of tomorrow will have a sufficient number of qualified professionals.

**Please consider making a donation today by visiting AISTFoundation.org
or contacting us at +1.724.814.3000, ext.1.**



Steven S. Hansen
AIST Foundation 2015–2017 President

US\$100,000 Pledge Club





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"I appreciate the engineering department of CMC Steel Texas for welcoming and guiding me. I grew as an individual because of each person there, and in the end walked away with sound life lessons. In the world of engineering in the steel industry, investing time in one area will likely lead you to learn about all details that go unnoticed in between, leading to all the hands that contribute to each project, each task. You understand for yourself what team members mean when they speak the words 'family' and 'community.' From there, the fun part is collaborating with great minds to leave the company better than you found it."

Eunice M. Solis
2016 Steel Intern Scholar
CMS Steel Texas, Seguin, Texas, USA

