



Student Wrap-Up

The AIST Foundation, with support from five industry companies, held special student-specific programs at AISTech 2011 in Indianapolis, Ind. 1–4 May. The corporate sponsors were ArcelorMittal, Nucor Corporation, Steel Dynamics Inc., The TIMKEN Company, and TMK-IPSCO.

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Engineering students from all related disciplines were encouraged to attend AISTech 2011, and were offered complimentary registration, travel grants and paid session monitor positions. A total of 97 students, both undergraduate and graduate from 24 universities and representing 11 different countries, registered for the conference. In addition, AIST held an Attendance Challenge among participating universities. The university with the highest number of students in attendance received US\$500. The winner of this year's challenge was Purdue University Calumet.

Student activities began with a plant tour on Sunday, 1 May, to Steel Dynamics Inc., Engineered Bar Products Division in Pittsboro, Ind.



Following the plant tour, the students attended an orientation dinner where they learned about AIST and the AIST Foundation from **Bill Breedlove**, 2010 – 2011 AIST President. Bill's presentation was followed by an industry perspective

on what steel companies are looking for in candidates for employment from **Melissa Sestilli** with Steel Dynamics. Those attending enjoyed dinner (with an ice cream bar!) and networking with the corporate sponsor representatives.



The AIST Student Project Presentation Contest was held on Monday, 2 May. During this contest, 13 students presented 10 projects before a panel of judges. The judges were **Kelly Dallas** from ArcelorMittal, **Fred Harnack** with U.S. Steel, and **Kevin Bort** from New Millennium Building Systems, who also acted as Moderator.

Participants were judged on technical content, topic coverage and presentation skills. The contestants included: **Nick Batts** and **Spencer Nast** from Missouri University of Science and Technology, **Ana Cristina Linhares das Dores** from the University of Belo Horizonte, **Xiaoxi Lou** and **Cong Zhao** from Purdue University Calumet, **Colleen Lyons** from the University of Illinois at Urbana-Champaign, **Philip B. Mann** from Purdue University Calumet, **Thomas Sands** and **Kevin Williams** from Missouri University of Science and Technology, **Patricia Tavares da Silva** and **Samuel Trindade Viana** from Universidade Federal de Ouro Preto, **Luiz Fernando de Souza Carneiro** from Universidade Federal de Ouro Preto, and **Fengchen Shen** from Purdue University Calumet.



The winners of the Student Project Presentation Contest with moderator Kevin Bort from New Millennium Building Systems:



First Place (\$1,500) – **Colleen Lyons** from the University of Illinois at Urbana-Champaign, for her presentation entitled *“Inclusion Characterization of Titanium Stabilized Ultra Low Carbon Steels- Impact of Oxygen Activity at Deoxidation.”*



Second Place (\$1,000) – **Patricia Tavares da Silva** and **Samuel Trindade Viana** from Universidade Federal de Ouro Preto, for their presentation entitled *“Characterization of Mixtures of Sugarcane Bagasse and Charcoal for Injection Through Tuyeres of Blast Furnaces.”*



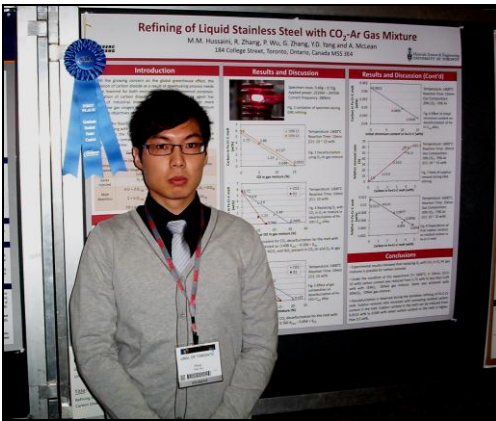
Third Place (\$500) – **Philip B. Mann** from Purdue University Calumet, for his presentation entitled *“CFD Study of the Effects of Orifice Plate Reversal.”*

The New **Graduate Student Poster Contest** was held on 2 May in the Indianapolis Convention Center. In all, there were 23 posters entered in the contest:

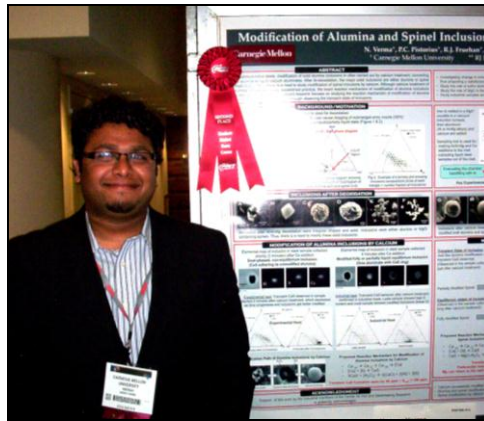


Participating students included: **Laura Bartlett** from Missouri University of Science and Technology, **Siddhartha Biswas** from Missouri University of Science and Technology, **Kelvin Cheung** from Carnegie Mellon University, **Hyeon Jeong Cho** from Carnegie Mellon University, **Dong Fu** from Purdue University, **Sarah Haine** from the University of Sheffield, **Lance Hibbeler** from University of Illinois Urbana-Champaign, **Jantzen Hinton** from Wright State University, **WeonHui Lee** from Pohang University of Science and Technology, **Edith Martinez** from Missouri University of Science and Technology, **Meghan McGrath** from Missouri University of Science and Technology, **Satya Prakash Mishra** from Amravati University – Maharashtra, **Andrew O'Laughlin** from Missouri University of Science and Technology, **Jiook Park** from Pohang University of Science and Technology, **Rasool Tahmasebi** from McMaster University, **AswinTejasukmana** from Carnegie Mellon University, **VivekThapliyal** from Missouri University of Science and Technology, **Neerav Verma** from Carnegie Mellon University, **Kevin Williams** from Missouri University of Science and Technology, **Paul Wu** from the University of Toronto, and **Jingjing Yang** from Purdue University.

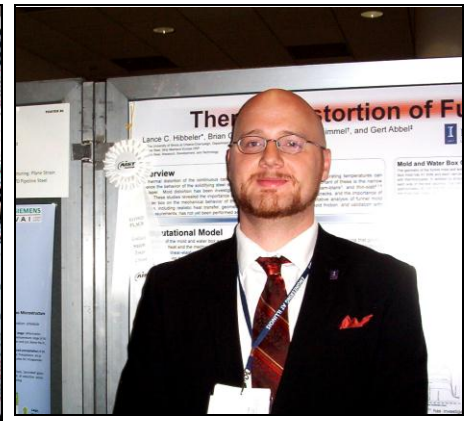
The winners of the Graduate Student Poster Contest were:



First Place (\$1,500)
Paul Wu
University of Toronto



Second Place (\$1,000)
Neerav Verma
Carnegie Mellon University



Third Place (\$500)
Lance Hibbeler
University of Illinois
Urbana-Champaign

Following the contest, tickets were drawn for door prizes donated by **Paul Wurth Inc., ITT Endine, Midrex Technologies Inc., Schneider Electric, LAND, Vollmer America, Hydro, Magneco/Metrel, SMS** and **AIST**. We would like to express a special thanks to the contest moderator, **Kevin Bort** from New Millennium Building Systems, along with all contest judges and companies who donated the door prizes!

Also on Monday, the students were invited to lunch with the **AIST Foundation Trustees**. This was a great opportunity for both students and the Trustees to network. The students had the chance to talk with executives from all different companies about the steel industry, and the Trustees had the chance to ask the students questions and encourage them to consider the industry as a career.

On Monday evening, many students attended the Student Social which took place at RAM restaurant and brewery. The students were able to take time to relax and mingle with corporate sponsor reps in a more relaxed setting. The group enjoyed a barbeque buffet, and then toured the micro-brewery at RAM.





Students attending AISTech 2011 had the opportunity to receive and earn financial assistance to help defer travel expenses through AIST Foundation and Material Advantage travel grants, contest travel and prizes, and session monitor positions. They were able to learn about the newest technologies, meet and network with steel industry professionals, practice their presentation skills and have fun.

From our students:

What did you like best about AISTech 2011?

- ✓ *The technical talks and student activities!*
- ✓ *The availability to interact with active AIST members in the steel industry.*
- ✓ *I enjoyed the interaction between the industrial and academic sectors at the conference. The exhibit hall was full of activity and was a great place to talk to many people.*
- ✓ *Exposition and student events!*
- ✓ *The opportunity to make contact with a lot of professionals from the same area.*
- ✓ *The technical sessions and I enjoyed giving my presentation.*
- ✓ *The exhibition booths.*
- ✓ *Social events for students, such as the one on Sunday and Monday as well as the exhibition!*
- ✓ *Very nice staff and good support!*
- ✓ *The technical sessions and networking.*
- ✓ *Undergraduate student presentations.*
- ✓ *Technical sessions and meeting students from different places.*
- ✓

Check out all of our student photos from AISTech 2011 at

http://www.aist.org/11_aistech/photoalbum/index.html

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