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## **FOR IMMEDIATE RELEASE**

### **AIST T.C. GRAHAM PRIZE WINNER AWARDED US\$20,000** *Recognizing innovative steel applications for development of new markets*

PITTSBURGH, 8 October 2015 — Elisa Cantergiani, Ph.D. student, Department of Mechanical Engineering, University of Ottawa; Colin Scott, research scientist, CanmetMATERIALS; Benjamin Lawrence, Ph.D. student, Department of Materials Engineering, University of British Columbia; and Chad Sinclair, associate professor, Department of Materials Engineering, University of British Columbia, have been named the winners of the inaugural Association for Iron & Steel Technology's [T.C. Graham Prize](#). This unique contest was established to recognize new innovative applications for steel that may lead to the development of new markets. Cantergiani and team have won US\$20,000 for their proposal, titled "High-Strength, Interstitial-Free Steel Obtained Using FeC Amorphous Films and Induction Heating for Packaging Applications and Cladding With Lighter Metals for Auto Body Panels."

Cantergiani will be presented with the award at the AIST Italy Steel Forum in Dalmine, Italy on 23 October 2015.

In 2014, Mr. Thomas C. Graham Sr. donated US\$100,000 to establish the T.C. Graham Fund for Innovation in Steel Application. Individuals or groups of individuals were encouraged to submit proposals articulating innovation, practical application, performance, marketability and sustainability of their ideas. The spirit of this Fund is to catalyze these efforts by encouraging companies to take an active role in supporting the market development initiatives of their employees.

Four finalists were selected from the 23 proposals submitted. The finalists presented their proposals via live video conference to the [Contest Jury](#) on 30 September 2015. As team captain, Cantergiani presented her team's proposal and explained their new approach to diffuse carbon into interstitial-free steel (IF steel) to obtain a higher increase of yield stress in relation to the automotive and packaging sectors.

The Contest Jury consisted of **Jim Baske**, chief executive officer, ArcelorMittal North America Flat Rolled Operations; **John Ferriola**, chairman, president and chief executive officer, Nucor Corp.; **Mario Longhi**, president and chief executive officer, United States Steel Corporation; **Mark Millett**, president and chief executive officer, Steel Dynamics Inc.; and **James L. Wainscott**, chairman, president and chief executive officer, AK Steel Corp.

The other team captains presenting during the video conference were Cheng-Chieh Li, with "Innovative Application of Thermoelectric Generators With Fe-Based Bonding Layers for Recovering Industrial and Automobile Waste Heat Into Renewable Energy," and Alan Druschitz, who presented "Copper Clad Steel for Products With Anti-Microbial Properties," along with individual applicant Thomas David Burleigh, with "Anodized Steel Structures and Tools."

[AIST](#) is a non-profit technical association of 17,500 members from more than 70 countries, with the mission to advance the technical development, production, processing and application of iron and steel. The organization

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is recognized as a global leader in networking, education and sustainability programs for advancing iron and steel technology.

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