Severstal Dearborn Helps Student Pursue His Dream of Becoming a Material Scientist

If you passed by the Engineering department at Severstal Dearborn’s Schaefer Court building and saw a young face, it was probably Jonathan Moore, a 17-year-old Henry Ford Academy student. Severstal has had college interns before, but never a high school student. Jonathan was looking for a local company to work with on his senior practicum in quality engineering and material science. Severstal was the one to respond to his request and invite him on board. Jonathan’s project focused on examining polymers and polymeric structures in the real world. “My mentor and I agreed that paint was a good option. I took different store-bought paints and applied them to steel samples to compare with automotive paint that is applied in the plant. I am comparing them at the macro and microscopic levels to find how they differ.” As exciting and useful as Jonathan’s practicum at Severstal has been, he is not the only one benefitting. His mentor, Ron Radzilowski, Ph.D., FASM, manager of Metallurgical Technology, Severstal North America, feels it is important and beneficial for the company to continue reaching out to the academic community and accepting students for internship and senior practicums. “Career options are offered to students as early as high school. Students are forming their opinions on what professional careers they want to pursue. We are competing for a dwindling supply of the best students,” says Ron. Jonathan finds the experience he received at Severstal invaluable. “I learned that material engineers have a diversity of possible career fields as they deal with daily challenges to develop materials which improve society,” states Jonathan. “I am interested in composites and polymers as a major because they bring together relatively weak materials to combine and form a variety of strong materials.” He presented an overview on materials science to the principal of The Henry Ford Academy as part of a graduation project at the end of January 2011. Jonathan is looking forward to his future as a Michigan State University student and a material scientist.

Heat Treating Technical Program

The 2011 Heat Treat Society Conference and Exposition, October 31 - November 2, 2011 in Cincinnati, Ohio is shaping up to be a don’t-miss event! A total of 93 papers will be presented over the 2-1/2 day conference and the exposition floor is on its way to a complete sell-out. In an effort to excite and engage students at all levels, a mini-Materials Camp will be held on the show floor on Tuesday and Wednesday. Over 400 high school students have registered to attend and take part in the demonstrations. For college and graduate students, the Heat Treat Society will be running a poster contest as well as awarding travel grants to those schools who apply for it. The travel grants are on a first-come, first-served basis. For more information on the event, please visit www.asminternational.org/heattreat.