Nucor Corporation (www.nucor.com) scholarships of $1,000 each will be awarded to selected students to advance the craftsman’s legacy in fields related to the preservation of metals. Scholarships are for engineering, preservation, and industrial arts students to attend the annual Iron & Steel Preservation Conference (ISPC) at Lansing Community College in Lansing, Michigan. The conference registration fee is waived for scholarship recipients; funds are intended to be used toward transportation and lodging for the ISPC and other educational expenses. A brief report must be submitted within two weeks of attending the conference.

APPLY NOW http://lcc.edu/manufacturing/welding/ISPConference/ISP_scholarship_application_form.aspx

Preservation of historic metals begins with education, providing people information on the importance of preserving a historic metal structure and raising awareness that these structures are tools for understanding the materials and manufacturing processes of our heritage. A connection to the past is a connection to our future. The Iron & Steel Preservation Conference is unique in providing hands-on demonstrations in restoration methods as well as a full day of technical papers by nationally recognized leaders. Hands-on sessions take place in a state-of-the-art industrial facility under the guidance of experienced instructors trained in the restoration of wrought iron, cast iron and steel, and the adaptation of modern techniques to the preservation of historic metals.

March 5, 2012

“Pedestrian Trail System and Historic Bridge Restoration in the City of Portland, Michigan”
Alan L. Halbeisen, P.E, Engineering Manager, HH Engineering LTD, and
Paul R. Galens, P.E, Fleis & VandenBrink Engineering, Inc

“Building a Ship in a Bottle – Power Plant Conversion to Accident Fund National Headquarters”
Lawrence F. Kruth, P.E, Vice President of Engineering, Technology & Safety, Douglas Steel Fabricating Corporation, Lansing, MI

“Ottawa Street Station Transformation; Historic Cast Iron Facades; and High Definition Surveying”
Richard J. Renaud, AIA, and Brandon Friko, Architectural Technician, Quinn Evans Architects, Ann Arbor, MI

“Variety Steel: Preservation and Restoration – Effects on and from adjacent materials – and the Trades that restore them”
Chad Teeple, and Jon Brechtesbauer, The Christman Company, Lansing, MI

“A Way of Life: Bridge Maintenance”
Mark R. Zimmerman, PE/PS, County Engineer, Seneca, OH

Patrick Harshbarger, Principal Historian/Architectural Historian, Hunter Research, Inc., Trenton, NJ

“A Craftsman’s Trade Secret – Discovering Techniques for Fabricating Eyebars”
Vernon J. Mesler, Lansing Community College, Lansing, MI

March 6, 2012

Metal Restoration Processes: Demonstrations

Heat straightening wrought iron and steel
ACA (Air Carbon Arc Gouging)
OFC (Oxygen Fuel Cutting)
Pack Rust Removal

Metal Restoration Processes: Hands-on Experiences

Driving rivets using field rivet equipment
OFW (Oxygen Fuel Welding and Brazing)

SMAW (Shielded Metal Arc Welding)
GTAW (Gas Tungsten Arc Welding)