

Iron & Steel Preservation Conference

March 4-5

Lansing Community College, Lansing, Michigan

To Register Call 517-483-9853

\$175.00 for first day only, \$300.00 for both days

After February 15 the conference costs are as follows: Day 1 only: \$200.00, and \$350.00 for both days

Continuing Education Units will be issued at the 2013 ISPC

1st day 0.53, 2nd day 0.65 totals for both days 1.2 CEUs

LCC is accredited through IACET. IACET accreditation is the standard learners seek for quality when they choose a provider. IACET is known as the premier standard-setting organization for continuing education and training providers.

ISPC Education Scholarships

To advance the craftsman's legacy in education, scholarships will be awarded in fields related to the preservation of metals. ISPC scholarships range from \$100 to \$1,000, awarded to engineering, preservation, and industrial arts students to attend the annual Iron & Steel Preservation Conference. For those students who wish to apply, please fill out the [scholarship application form](#).

2013 ISPC Featured Presentation: Michael Mort

The 2013 ISPC is pleased to announce that cinematographer and author Michael Mort is this year's luncheon speaker. Through his book and his films, Mr. Mort has made a significant contribution toward educating the public about the importance of preserving our historic record, including iron and steel historic structures.

Michael Mort, owner of and executive producer at Equity Studios, Inc., began his career 35 years ago in religious education and music. His initial humanities degree positioned him later in life to create and sustain a successful media production company. For the past 29 years Mr. Mort's television and film work has led him to assignments throughout the United States and three continents abroad.

Mr. Mort is the author of the book: *A Bridge Worth Saving, A Community Guide for the Preservation of Historical Bridges*. He has won awards from the Historical Society of Michigan and the Michigan Preservation Network for his contribution to historical preservation in Michigan. He is the creator of *Michigan Avenue*, a film series about the history of Michigan as seen on Michigan public television. Some of these programs include:

- *Blue Ribbon Walkways: 150 Years of the Michigan County Fair*
- *To Have and to Hold: A Call to Preserve the Lighthouses of Michigan*
- *Archways to Our Past: The Story of Michigan's Historic Bridges*
- *A Clean Slate: The Story of Michigan's One Room Schools, and*
- *Windows to Our Past: Michigan's State Historical Museums.*

Mr. Mort's most recent broadcast work is "From Moccasins to Main Street", an hour long docu-drama about the history of the Chicago Road from Detroit to Chicago. He is currently working on another major film for public television titled, "Old Buildings: The Restoration and Preservation of Tibbits Opera House."

First Day, March 4, 2013

Thomas Boothby, Professor of Architectural Engineering, The Pennsylvania State University
"Graphical analysis and Design of Iron Bridge and Building Structures"

Cynthia Brubaker, Cynthia Brubaker Instructor of Architecture Graduate Program in Historic Preservation Ball State University *"Historic Indiana Bridge Companies"*

Nathan Holth, *"Chicago's Bridges"* Author of HistoricBridges.org

Luncheon speaker, Michael E. Mort, a cinematographer for over 30 years owner of and executive producer at Equity Studios and author of the book *"A Bridge Worth Saving."*

Frederick R. Rutz, PhD, PE, SE, Assistant Professor, Department of Civil Engineering University of Colorado Denver *"Shielded metal arc welding on historic wrought iron"*

Dario Gasparini, Ph.D. The Department of Civil Engineering of the Case School of Engineering

Christopher H. Marston, NPS, Historic American Engineering Record

Kevin Whitford, retired craftsman, currently teaches welding for Eaton Intermediate School District (EISD) at Lansing Community College *"New Hampshire's Moose Brook Bridge, cast iron repairs"*

Mark D. Bowman, Purdue University

School of Civil Engineering *"Evaluation and Repair of Wrought Iron and Steel Structures in Indiana"*

Second Day, March 5, 2013

Demonstrations

- Pack rust removal
- Heat straightening wrought iron and steel
- Air arc gouging (ACA)
- Oxygen fuel cutting (OFC)

Demonstrations and hands-on sessions

- Driving rivets using field rivet equipment
- Oxygen welding and brazing (OFW)
- Shielded metal arc welding (SMAW)
- Flux core arc welding (FCAW)
- Metallurgy/Tensile test of welded wrought iron samples

New for the 2013 ISPC are demonstrations of braze welding of heavy cast iron sections and the Flux Core Arc Welding (FCAW) process for wrought iron and historic steel. FCAW is a popular welding process in steel fabrication today and is easily adapted to the preservation of historic metals. It is a semi-automatic welding process where the wire is continuously fed and the operator controls the direction of travel.