

AFS International Ferrous Melting Conference

October 10-12, 2012 • Hilton Garden Inn Nashville Vanderbilt
Nashville, Tennessee, USA

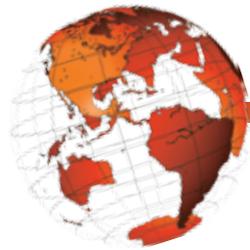
Topics to be covered:

- Specialized Presentations for Coreless, Channel and Cupola Furnaces
- Analysis of Supplied Raw Material Quality
- Practical Tips to Improve Inoculation and Iron Pouring
- Details on Maintenance to Improve Furnace Performance and Efficiency

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Wednesday, October 10, 2012

1:00 p.m.

Opening Remarks

Christopher DeRosa, Washington Mills

1:15 p.m.

On the Production and Use of Si Metal and Ferro Silicon Alloys

Eli David, Globe Metallurgical Inc.

1:45 p.m.

External Lime Desulfurizing: Revisiting Established Technology

Brian Johnson, Hickman Williams & Co.

2:15 p.m.

The Rare Earth Elements in Ductile Iron: Why You Do What you Do and Might You Do Less?

H. Fred Linebarger, Miller and Co.

3:00 p.m.

Shrinking Shrinkage

Douglas White, Elkem Metals Inc.

3:30 p.m.

Casting Defects in Alloyed Irons as Affected by Melting and Pouring Practices

Richard Gundlach, Element Materials Technology

4:00 p.m.

Applying Thermal Analysis for Quality Assurance of Final Iron at Neenah Foundry

Mike Riabov, Neenah Foundry Co.

4:30 p.m.

Importance of Inoculation and Pouring Aspects When Producing Ductile Iron

Marc King, Globe Metallurgical Inc.

Thursday, October 11, 2012

8:00 a.m.

Opening Remarks

Christopher DeRosa, Washington Mills

8:10 a.m.

A Brief Introduction of the Cast Metals Institute

Kevin Fleischmann, CMI

8:30 a.m.

Effects of Microalloyed Steel Scrap on the Quality of Cast Irons

Eugene Muratore, Rio Tinto Iron & Titanium America

9:00 a.m.

Sustainable Technology Within the Metalcasting Industry

Kroes Hermann-Josef, ABP Induction LLC

9:30 a.m.

Key Note Presentation: On Target to Make a Difference

Dennis Dotson, Dotson Iron Castings

“As a metallurgist these conferences are my best opportunity to interact with people from other facilities, especially when economic times are hard and value is realized.”
—Attendee from the 2009 AFS International Ferrous Melting Conference

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Split Sessions

Coreless

10:30 a.m.

Coreless Furnace Failure Modes

Jack McMillin, Ajax Tocco Magnethermic Corp.

11:00 a.m.

Alternatives to Traditional Silica-Based Lining Materials in Coreless Melting of Iron and Ferrous Metals

Peter Satre, Allied Mineral Products Inc.

11:30 a.m.

Advantages of Medium-Frequency High-Power Melt Systems

Michael Nutt, Inductotherm Corp.

Noon
Lunch

1:15 p.m.

Optimization of Silica Linings for Coreless Induction Furnaces

Stellen Rahm, Calderly Nordic AB

1:45 p.m.

Successful Sinter and Cold Start of Coreless Furnaces

*Robert Peaslee,
Manitowoc Grey Iron Foundry Inc.*

2:15 p.m.

Re-Engineering Furnace Water Systems at Donsco

Christopher Buck, Donsco Inc.

3:00 p.m.

Melting Ductile Iron at AMERICAN Cast Iron Pipe Company—One Organization's Perspective

*Jeremy Mowry,
AMERICAN Cast Iron Pipe Company*

3:30 p.m.

Reviewing Grey and Ductile Iron Slags in Induction Melting, Holding and Pouring Applications

David Williams, ASI International Ltd.

Cupola

10:30 a.m.

Carbonite Continuous Cokemaking Technology

*Richard A. Wolfe,
Virginia Carbonite Company, LLC*

11:00 a.m.

Cupola Furnace Blast Dehumidification Process Evaluation—

A Case Study: Waupaca Foundry

*David Kasun, Kuttner LLC
Richard Erickson, Waupaca Foundry*

11:30 a.m.

Refractories for Extreme Environments in Cupola

Richard Volk, United Refractories

Noon

Lunch

1:15 p.m.

Studies of Quenched Cupola

Seymour Katz, S Katz Associates Inc.

1:45 p.m.

OXYCUP Furnace Operation at Tisco, China

Robert Fechner, Kuttner LLC

2:15 p.m.

Refractories for Extreme Thermal/Chemical Environments in the Cupola

Robert Pattillo, Reno Refractories

4:00 p.m.

Political & Economic Developments in China; the Future of the Competitive Environment

Robert "Chuck" Cushing, EMSCO Inc.



Friday, October 12, 2012

8:00 a.m.

Opening Remarks

Christopher DeRosa, Washington Mills

8:00 a.m.

The Evolution of High Powered Inductor at ThyssenKrup Waupaca Inc. Plant 4—Marinette

*Jeffrey Berger & Bill Merchant,
Waupaca Foundry*

8:30 a.m.

Inductors—Achilles' Heel or Heart of Your Channel Induction Furnace

Timothy Hoyt, Allied Mineral Products Inc.

9:00 a.m.

Channel Furnaces—Efficient Iron Melters

*Robert Riccardi, Ajax Tocco Magnethermic Corp.
Walt Matthews, Consultant*

9:30 a.m.

Techniques for Managing Channel Induction Furnace Build-Up and Clogging

Johnny Hill, Martin Foundry

10:15 a.m.

Autopouring Systems Update, New Topology and Communications

Marcelo Paiva, Inductotherm Corp.

10:45 a.m.

Daily and Weekly Cleaning and Maintenance in Pressure Pour and Tilt Pour Furnaces

*Richard Erickson, Waupaca Foundry
Jerry Beaird, Rochester Metal Products Corp.*

11:30 a.m.

Experience of Linear Thermal Sensors to Monitor Channel Furnaces

Patrick Leper, Safeway USA Corp.

12:00 p.m.

Closing Remarks

Christopher DeRosa, Washington Mills



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Hotel: Hilton Garden Inn Nashville Vanderbilt, 1715 Broadway, Nashville, TN 37203.

Room Reservation and Cut-Off Date: Reservations can be made by calling 615/369-5900 and 877/782-9444 or by going to the hotel website: <http://www.nashvillevanderbilt.hgi.com>. Our special group rate is \$135.00 single/double occupancy per night for our attendees. The hotel cut-off date is Sept. 18, 2012. You must mention our group code: **AFS** to receive this rate. Reservations made after the cut-off will be confirmed on a space available basis, possibly at a higher rate.

Cancellations and Substitutions: Substitutions will be accepted any time. However, cancellations of confirmed registrants with full refund of fees cannot be accepted unless received one week prior to conference date. In the unlikely event the conference is canceled for any reason, AFS liability is limited to the return of the registration fee.

Tax Deduction of Expenses: An income tax deduction is allowed for expenses of education, including registration fee, travel, meals and lodging, undertaken to maintain and improve professional skills (see U.S. Treasury Regulation 1:162.5).

Registration Fees

AFS Member: \$595 • Non-AFS Member: \$695

Name _____

Title _____

Company _____

Address _____

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Phone _____ Fax _____

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AFS Membership # (if applicable) _____

Check enclosed

Charge my: American Express MasterCard Visa

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Return form to:

American Foundry Society, 35169 Eagle Way, Chicago, IL 60678-1351
Contact AFS Customer Service at 800/537-4237 Fax: 847/824-7848



American Foundry Society

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Schaumburg, IL 60173-4555
www.afsinc.org

“Overall it was a good conference. I have two big projects that I will launch based on ideas from this conference.”

–Attendee from the 2009 AFS International Ferrous Melting Conference