Friday, October 9

Session 4
Channel and Automatic Pouring
7:15 a.m.
Continental Breakfast
8:00 a.m.
Institute Update On
New Training and Curriculum
  Kevin Fleischmann, AFS Institute
8:15 a.m.
Real World Case Study, Channel
Cooling and Water Systems
  Johnny Hill, Martin Foundry
8:45 a.m.
Inductor Meter Readings:
  Tea Leaves or Truth?
  Bill Pflug, Inductotherm Corp.
9:15 a.m.
Restoring Channel Furnace Shells & Flanges
  Jack McMillan, Ajax Tocco Magnethermic Corp.
9:45 a.m.
Break

Session 5
Channel
10:00 a.m.
Channel Furnace Refractory Maintenance
  Jim Caprio, United Refractory
10:30 a.m.
New Technology to Detect Metal
  Penetration in Channel Furnaces
  Bob Riccardi, Ajax Tocco Magnethermic Corp.
11:00 a.m.
Design Considerations for Large Ductile
  Iron Automatic Pouring Systems
  Robin Chakrabarti, ABP Induction Systems GmbH
11:30 a.m.
Pressure Pour Operation at
  Waupaca Foundry Plant 4
  Mick Cole, Waupaca Foundry Inc.
Noon
Conference Wrap Up

REGISTRATION FEES
AFS Member: $695 • Non-AFS Member: $895

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Hotel Information: Registrants should make hotel reservations
directly with the Sheraton Music City Hotel, 777 McGavock Pike, Nashville, TN 37214.

Room Rate: Our special group rate is $159.00/night, standard/double. You must mention you are with the American Foundry Society and this conference to receive this rate.

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## Agenda

### Session 1
**Wednesday, October 7**

#### Metallurgy
- **1:00 p.m.** Welcome
- **1:15 p.m.** Mn and S Effect on Gray Iron  
  *Rick Gundlach, Element Materials Technology*
- **1:45 p.m.** Alloy and Treatment Process Optimization for Quality Ductile Iron Production  
  *Eli David, Globe Metallurgical Inc.*
- **2:15 p.m.** Sulfur in Cast Iron—Friend or Enemy  
  *Dr. Riposan, POLITEHNICA University of Bucharest, Romania*
- **2:45 p.m.** Break
- **3:00 p.m.** Effect of Ba on MgFeSi Treatments  
  *Jeremy McLimans, Hickman Williams & Co*
- **3:30 p.m.** Optimizing Ductile Iron Treatments with MgFeSi  
  *Doug White, Elkem Materials Inc.*
- **4:00 p.m.** Controlling Slag Inclusions  
  *Alan Patrick, Elyria Foundry Co.*
- **4:30 p.m.** Slag Sampling and Testing  
  *Bill LaFramboise, Auburn Analytical Labs Inc.*
- **5:00 p.m.** Networking Reception

### Session 2
**Thursday, October 8**

#### General Session
- **7:15 a.m.** Continental Breakfast
- **8:00 a.m.** Welcome
- **8:05 a.m.** OSHA Silica Standard—A Status Update  
  *Tom Slavin, Slavin OSH Group, LLC*
- **8:35 a.m.** Keynote Speaker  
  *Bruce Dienst, Simpson Technologies Corp.*
- **9:20 a.m.** Keynote Speaker  
  *Bruce Tesch, Waupaca Foundry Inc.*
- **10:00 a.m.** Break
- **10:15 a.m.** Panel: Solutions to Practical Cupola Operational Issues  
  *Charlie Graf, Miller and Company; Gene Ritche, Ritchie Melt Consulting*
- **11:15 a.m.** Oxygen-Enhanced Solid Fuel Combustion for Reduced Coke Consumption in Cupolas  
  *Mark D’Agostini, Air Products & Chemicals, Inc.*
- **11:45 a.m.-12:45 p.m.** Lunch
- **12:45 p.m.** Opportunities for Heat Recovery in the Cupola Furnace Plant  
  *Dave Kasun, Kuttnner LLC*
- **1:15 p.m.** Implementation of Cooling Technology in Cupolas  
  *Angela Petruccelli, Allied Mineral Products Inc.*
- **1:45 p.m.** Cupola Bottom Drop Methods  
  *Steve Heger, Waupaca Foundry Inc.*
- **2:15 p.m.** Break

#### Session 3
**Channel, Energy & Charge Session**
- **2:30 p.m.** Trends in Ferrous Scrap Industry  
  *David Borsuk, Sadoff Iron & Metal Co.*
- **3:00 p.m.** Your Electric Bill—What’s In It For You  
  *Brian Reinke, TDI Consulting, Inc.*
- **3:30 p.m.** Staying Competitive—How to Manage Your Energy Risks  
  *Todd Segmond, EMEX, LLC*
- **4:00 p.m.** Automated Pouring Without Stopper Rod Control  
  *Greg Bray, Electric Controls & Systems Inc.*
- **4:30 p.m.** Tramp Elements: What Should We Be Looking For?  
  *Matt LaFramboise, Auburn Analytical Labs Inc.*
- **5:00-6:00 p.m.** Networking Reception

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*Sessions and Topics Subject to Change*
Agenda

Wednesday, October 7

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1:00 p.m. Welcome
1:15 p.m. Mn and S Effect on Gray Iron
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5:00 p.m. Networking Reception

Thursday, October 8

General Session

7:15 a.m. Continental Breakfast

8:00 a.m. Welcome

8:05 a.m. OSHA Silica Standard—A Status Update
Tom Slavin, Slavin OSH Group, LLC

8:35 a.m. Keynote Speaker
"The Call—The Story of One Family’s 100 Years of Service to the American Metalcasting Industry"
Bruce Dienst, Simpson Technologies Corp.

9:20 a.m. Keynote Speaker
"Exceeding Today’s Customer’s Needs: The Natural Progression of My Experiences at Waupaca Foundries—The Challenges, The Obstacles and The Successes"
Bruce Tesch, Waupaca Foundry Inc.

10:00 a.m. Break

Session 2–Breakout
You have a choice to attend either the Cupola or the Coreless Session

Cupola

10:15 a.m. Panel: Solutions to Practical Cupola Operational Issues
Charlie Graf, Miller and Company; Gene Rittle, Ritchie Melt Consulting

11:15 a.m. Oxygen-Enhanced Solid Fuel Combustion for Reduced Coke Consumption in Cupolas
Mark D’Agostini, Air Products & Chemicals, Inc.

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12:45 p.m. Opportunities for Heat Recovery in the Cupola Furnace Plant
Dave Kasun, Kuttner LLC

1:45 p.m. Cupola Bottom Drop Methods
Steve Heger, Waupaca Foundry Inc.

2:15 p.m. Break

Coreless

10:15 a.m. Monitoring of Refractory Lining Systems in Coreless Furnaces
Pat Leper, Saver USA Corp.

10:45 a.m. Reducing Energy Costs and Improving Operations of Induction Furnaces
James Wiczer, Sensor Synergy

11:15 a.m. Advancements in Refractories for Coreless Furnaces
Jim McMinn, Allied Mineral Products

11:45 a.m.–12:45 p.m. Lunch

12:45 p.m. What is Fluxing and What Are the Benefits in Iron Melting
David Williams, ASI International Ltd.

1:15 p.m. Guidelines for Upgrading a Coreless Furnace Melting System
Robert Keshecki, Inductotherm

1:45 p.m. Sources of Moisture in Coreless Induction Furnaces
Todd Lyles, Specialty Foundry Products, Inc.

2:15 p.m. Break

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Channel, Energy & Charge Session

2:30 p.m. Trends in Ferrous Scrap Industry
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3:00 p.m. Your Electric Bill—What’s In It For You
Brian Reinke, TDI Consulting, Inc.

3:30 p.m. Staying Competitive—How to Manage Your Energy Risks
Ryan Segmond, Energy Market Exchange (EMEX, LLC)

4:00 p.m. Automated Pouring Without Stopper Rod Control
Greg Bray, Electric Controls & Systems Inc.

4:30 p.m. Tramp Elements: What Should We Be Looking For?
Matt LaFramboise, Auburn Analytical Labs Inc.

5:00–6:00 p.m. Networking Reception

Come Early and Attend the Conference
On Design and Production of High Quality Aluminum Castings at the Same Location on Oct. 5-7, 2015

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INTERNATIONAL FERROUS MELTING CONFERENCE
OCTOBER 7-9, 2015 NASHVILLE, TN

Metalcasters Will Take Center Stage in Music City, Gathering the Industry's Top Experts to Find the Best Techniques for Treating and Melting Alloys.

Topics Include:
• Alloy and Treatment Process Optimization for Ductile Iron Production
• Monitoring of Refractory Lining Systems in Coreless Furnaces
• Opportunities for Heat Recovery in the Cupola Furnace Plant
• Controlling Slag Inclusion
• Slag Sampling and Testing