

# How would you gate these castings?



5 lb.  
Gray Iron  
High Volume

46 lb./2,035 lb.  
Ductile Iron  
Med/Low Volume



7 lb.  
Ductile Iron  
High Volume



53 lb.  
Ductile Iron  
Low Volume



Find out at

## IRON FILLING, FEEDING & GATING WORKSHOP

March 4-6, 2008 • Hilton Garden Inn-Chicago O'Hare Airport • Des Plaines, IL

LEADING THE METALCASTING INDUSTRY

[www.afsinc.org](http://www.afsinc.org) • 800/537-4237



# Agenda

## Tuesday, March 4

- 1:00 Introductions
- 1:30 Revisit and Revise: So You Got the Job, Now Make It—  
Practical Approaches to Gating and Risering a Ductile Iron Hub
- 2:30 Break
- 2:45 System Design: Part 1
- 5:15 Adjourn
- 6:30 Reception

## Wednesday, March 5

- 7:30 Continental Breakfast
- 8:30 Melt Quality
- 8:50 Treatment and Inoculation
- 9:10 Melt Quality and Thermal Analysis
- 9:30 Green Sand Mold Wall
- 9:50 Nobake Molding and Cores
- 10:10 Break
- 10:30 Filters and Sleeves
- 10:50 Casting Process Simulation
- 11:30 Lunch
- 1:00 Best in Class Castings
- 1:30 State of the Art World Technology
- 2:00 Future Developments in System Designs
- 4:20 System Design: Part 2
- 5:15 Adjourn
- 5:30 Dinner

## Thursday, March 6

- 7:30 Continental Breakfast
- 8:30 System Design Results
- 11:00 Building Metalcaster/Buyer Relationship
- 11:50 Wrap Up
- 12:15 Adjourn

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**Hotel Information:** Hilton Garden Inn-Chicago O'Hare Airport, 2930 South River Airport, Des Plaines, IL 60018; Tel: 847/296-8900; Fax: 847/296-8900; [www.hiltongardeninn.hilton.com](http://www.hiltongardeninn.hilton.com).

**Room Rates:** \$99.00 single/double. Be sure to mention you are attending the American Foundry Society's (AFS) Cast Iron Filling Feeding & Gating Conference/AFS03.

**Room Reservation Cut-off Date:** *February 18, 2008*. Reservations made after the cut-off date will be accepted on a space available basis, possibly at a higher rate.

**Airport Transportation:** The Hilton Garden Inn-O'Hare is conveniently located minutes from the Chicago O'Hare Airport. Taxi services are available, visit [www.hiltongardeninn.com](http://www.hiltongardeninn.com) for more information.

**Cancellations and Substitutions:** Substitutions will be accepted anytime. However, cancellations of confirmed registrants with full refund of fees will not be accepted unless received at least one week prior to the 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).

## Choose which casting you want to gate & riser during this hands-on workshop



Gray Iron  
Horizontally Parted  
Green Sand  
Weight: 5.09 lbs  
Prod Vol: High



Gray Iron  
Vertically Parted  
Green Sand  
Weight: 5.09 lbs  
Prod Vol: High



Ductile Iron  
Horizontally Parted  
Weight: 46.3 lbs  
Prod Vol: Med



Ductile Iron  
Horizontally Parted  
Green Sand  
Weight: 2,035 lbs  
Prod Vol: Low



Ductile Iron  
Horizontally Parted  
Green Sand  
Weight: 7.28 lbs  
Prod Vol: High



Ductile Iron  
Vertically Parted  
Green Sand  
Weight: 53.6 lbs  
Prod Vol: High

**Please select one and return with your registration form.**

# CAST IRON FILLING, FEEDING & GATING WORKSHOP

### REGISTRATION FEES

AFS Member \$595.00/person • Non-AFS Member \$695.00/person

For additional registrants, copy this form.

Name \_\_\_\_\_

Title \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

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

## Featured Speakers

- Andrew Adams  
*FOSECO Metallurgical Inc.*
- Daniel Adnson  
*Robert Bosch Corp.*
- John Campbell  
*School of Engineering, Metallurgy and Materials at the University of Birmingham, UK*
- William Fincher  
*Lufkin Industries, Inc.*
- Christof Heisser  
*Magma Foundry Technologies, Inc.*
- Vic Lafay  
*S & B Industrial Minerals*
- Fred Linebarger  
*Miller and Company*
- Jim McKee  
*Grede Foundries, Inc.*
- Kyle Metzloff  
*University of Wisconsin-Platteville*
- Jennifer Meyer  
*Grede Foundries, Inc.*
- Gene Muratore  
*Rio Tinto Iron & Titanium America*
- Thomas Prucha  
*American Foundry Society*
- Preston Scarber  
*University of Alabama-Birmingham*
- Alfred Spada  
*American Foundry Society*
- Trevor Tackaberry  
*FOSECO Metallurgical, Inc.*
- Jerry Theil  
*University of Northern Iowa*
- Daniel Westphal  
*Britlion Iron Works*



**American Foundry Society**

1695 N. Penny Lane  
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