

# “Cast Your Future, Solidify Your Profits”

## Friday, May 14

Mt. Currie South

**7:45 – 8:15 AM Early Bird Coffee**

**8:15 AM - Opening Remarks**

Barry Spence, Conference Chairman  
Brad Vanderlinde, Technical Program Chairman

**Session Chair** – Craig Merritt, Regional Director

**8:30 – 9:15 AM**

**North American Metalcasting:  
Competing Globally?**

Alfred Spada, Modern Casting

This presentation will review the current state of the North American metalcasting industry and its position within the global market. The future of North American metalcasters will be their ability to overcome obstacles like government intervention, technology adoption and productivity while beginning the process of marketing and promoting ourselves to customers, regulators and the general public. This presentation will provide a wealth of information, while also opening up some discussions for how we tackle high-level issues affecting each of our facilities.

**9:15 – 10:00 AM**

**Strong Markets Ahead!**

Raymond Monroe, Steel Founders' Society of America

The current financial challenges are likely to give way to a strong market for capital goods requiring castings. While consumers may suffer, the requirements for capital investments are necessary which will be good news for casting producers.

**10:00 – 10:15 AM Coffee Break**

**10:15 – 11:00 AM**

**Effectiveness and Value of Steel Filtration**

John Outten, Foseco

Many methods of filtration are available to foundries to assist in the production of clean steel castings. The effectiveness of steel filters to reduce casting inclusions and the subsequent savings through reduced cleaning times is discussed.

**Friday, May 14 (continued)**

**11:00 – 11:45 AM**

**IGBT - Power Supply :  
Less Power, Quicker, Leaner, Cleaner**  
Daniel Green, ABP Induction

Recent developments in semiconductor technology have lead to highly reliable, high performance power supplies for induction applications. This presentation covers some of the latest developments and operational advantages of new power supply and furnace designs.

**11:45 AM – 1:30 PM Lunch** (Mt. Currie North)

**Session Chair** – Dave Carney, Oregon Vice Chair

**1:30 – 2:15 PM**

**Smart Investments - Smart Returns: Kaizen Teian**

Larry Barbeau, Fujitsu Lean Solutions  
Martin VanHengel, armtec I a.e. concrete

This real life case study presents how AE Concrete – Armtec has used the Kaizen Teian approach to deploy their Continuous Improvement program. The presentation will outline how AE Concrete has successfully adapted the program to meet the needs of a small to midsize company.

This program has become a significant contributor to profit realization in its first year. The case study will present the program, its benefits, the required investment and the financial results it generated. It will also identify the winning conditions and success factors necessary for the program to produce the expected results.

**2:15 – 3:00 PM**

**Lean on Learning,  
Prosperity Through People**

Tracy Defoe, The Learning Factor

What changes can you expect when you decide to go 'lean' and make learning and continuous improvement key features of your work culture? This presentation focuses on the learning factor in lean transformation with real life examples, and tools for you to apply in your own company.

**3:00 – 3:15 PM Coffee Break**

**Friday, May 14 (continued)**

**3:15 – 4:00 PM**

**Clean Lean and Mean**

Michael Aughtman, Vulcan Engineering Co.

This presentation will review robotic applications in jobbing foundries and provide cost justifications. Industrial robots are being deployed with powerful tools to greatly augment the Lean Manufacturing program in the cleaning room—seemingly the last frontier of the foundry.

**4:00 – 4:45 PM**

**Software as a Service (SaaS) for Foundries**

Phil Laney, B&L Information Systems, Inc.

Imagine the ability to access all of your business software and company data - anytime, anywhere - with only a web browser. Sounds like its a few years off? Nope, it's here today. Further imagine not having to make large, up-front capital outlays for such technology, instead you pay a reasonable monthly subscription fee. All this leads to lower costs, capital conservation, cash management and higher profits.

## Saturday, May 15

Mt. Currie South

**Early Bird Coffee 8:00 – 8:30 AM**

**Session Chair** – Tim Craig, Washington Chair

**8:30 – 9:15 AM**

**Cast, Clean and Make Money**

Eugene Muratore, Rio Tinto Iron and Titanium

This presentation will be a global journey of jobbing foundries. It will review what foundries around the world have done to remain competitive and what steps they must take to compete and remain profitable.

**9:15 – 10:00 AM**

**ADI Conversions for Fun and Profit**

John Keough, Applied Process Inc.

Austempered Ductile Iron (ADI) is an economical alternative to steel and aluminum weldments, forgings and castings. This presentation reviews the properties of ADI relative to other material/process combinations and details case studies of effective engineering

**Saturday, May 15 (continued)**

conversions. All foundries will benefit from educating customers to replace fabrications with castings.

**10:00 – 10:15 AM Coffee Break**

**10:15 – 11:00 AM**

**Ecomission:**

**Advances in Foundry Binder Technology**

Doug Trinowski, HA International

The presentation will summarize recent advances in both inorganic and organic foundry binders, their impact on emissions and performance and features and benefits of certain low emission binder technology.

**11:00 – 11:45 AM**

**Studies of Nuclei in Ductile Iron -  
Why is this important for Foundrymen?**

Rob Logan, Elkem Metal Canada Inc.

Review of studies completed in the past 20 years relating to nucleation and growth of graphite in Ductile Iron. What are the practical implications to improve the Foundry iron quality and profits?

**11:45 – 1:45 PM Lunch** (Mt. Currie North)

**Session Chair** – Ray Tyers, BC Chair

**1:45 – 2:30 PM**

**Automating Profits**

John Davies, Lethbridge Iron Works

Lethbridge Iron Works is completing a major expansion this year, in spite of the difficult economy. John will provide a virtual tour of the new facility and address the benefits to be realized from the expansion.

**2:30 – 3:15 PM**

**Building and Sustaining a Winning Team**

Chris Norch, Denison Industries

Every individual has goals which are interdependent to the goals of the overall organization. These goals must be identified and sustained for maximum effectiveness to build and sustain a winning team for all economic environments.

**3:15 PM Closing Remarks** – Barry Spence

## Conference Highlights

### Registration Desk – (Mt. Currie Foyer)

Thursday, May 13: 1:00 PM – 5:30 PM  
Friday, May 14: 8:00 AM – 4:30 PM  
Saturday, May 15: 8:00 AM – 11:00 AM

### Social and Networking Program

Thursday, May 13: 5:30 PM – 7:00 PM  
**Welcome Reception** (Mt. Currie North)

Friday, May 14: 6:00 PM - 7:30 PM  
**Wine & Cheese Reception  
& Silent Auction** (Mt. Currie North)

Saturday, May 15: 6:30 PM – 12:00 AM  
**Banquet & Dance** (Mt. Currie Ballroom)

### Spousal Program Also Includes:

Friday, May 14:  
Continental Breakfast  
Guided Walking Tour of Whistler Village & Lunch

Saturday, May 15:  
Continental Breakfast  
Scenic Walk to Squamish Lil'wat Cultural Centre for a guided tour & Lunch

### RAM Meeting

Thursday, May 13 4:00-5:30 PM (Black Tusk)

### Sponsors and Advertisers (as of March 29, 2010)

ABP Induction  
Adanac Pattern Shop  
Alpine Non-Ferrous Foundry  
B&L Information Systems  
EMSCO  
Foseco  
Inproheat Industries  
Lethbridge Iron Works  
Millbank Materials Corp.  
Northwest Industrial Foundry Supply Co.  
NW Porosity Sealing & Heat Treating  
OCL Industrial Materials  
ProMetal RCT  
Rypac Aluminum  
UNIMIN Corporation

### Table Top Exhibitors (Mt. Currie Foyer) (as of March 29, 2010)

ABP Induction  
B&L Information Systems  
Induction Technology Corp.  
Inductotherm Corp.  
Inproheat Industries  
EMSCO, Inc.  
OCL Industrial Materials  
Palmer Manufacturing & Supply  
ProMetal RCT

### Speaker Gifts: Courtesy of Pacific Mako

*A special thank-you to all of our corporate sponsors and silent auction contributors who make this event possible! View a complete list at:*

[www.afsbc.ca/2010conference](http://www.afsbc.ca/2010conference)

## Conference Committee

### Conference Chairman:

Barry Spence, OCL Industrial Materials

### Technical Program:

Brad Vanderlinde, Pacific Mako

### Registration:

Jim Coulman, Levelton Consultants

### Corporate Sponsorship:

David Lalonde, Inproheat Industries

### Public Relations and Publicity:

Shane Thorington, Thompson Foundry

### Silent Auction:

Eric Hasselmann, Century Pacific Foundry

### Banquet and Website:

Crystal Lambert, Purity Casting Alloys

### Conference Past-Chairman:

Craig Merritt, Rypac Aluminum

### Spousal Program:

Cheryl Spence

## *Welcome To Whistler!*

On behalf of the conference committee and the British Columbia Chapter of the American Foundry Society it is a pleasure to invite you to attend the 59<sup>th</sup> Annual AFS Northwest Regional Conference, in beautiful Whistler, British Columbia.

Our technical program has been engineered to challenge all delegates to focus their energy on the future of their foundry from both a technical and business perspective all supporting our theme **“Cast Your Future, Solidify Your Profits”**. We have an excellent line up of speakers from top companies across North America offering a diverse range of topics to ensure that all foundries will benefit from attending.

We have a comprehensive social program including a Thursday night welcome reception, Friday night wine and cheese reception plus silent auction and finishing off with the Saturday night banquet including dinner and dance. There is also a spousal program during the day on Friday and Saturday.

The host hotel is located in the world famous Whistler village. Consistently ranked the number one resort in North America, Whistler features two spectacular mountains, epic skiing conditions, four championship golf courses, more than 200 shops, 90 restaurants and bars, accommodations galore, hiking trails, spas and arguably the best mountain bike park in the world. In short, Whistler has everything you could possibly need for the time of your life - and so much more.

Don't be left behind.

I look forward to meeting you in Whistler!

**Barry Spence, Conference Chairman**



59<sup>th</sup> Annual  
AFS Northwest Regional Conference

**“Cast Your Future,  
Solidify Your Profits”**



May 13 – 15, 2010  
Whistler, Canada

**Host Chapter:**  
British Columbia

**Sponsoring Chapters:**  
Washington & Oregon

**Hilton Whistler Resort & Spa**  
4050 Whistler Way  
Whistler, BC, Canada  
Room Reservations: 604.932.1982  
**(Mention you are with AFS)**

**Conference Information and Registration:**

[www.afsbc.ca/2010conference](http://www.afsbc.ca/2010conference)