

Steel Founders' Society of America

National T&O Conference – December 8-10 2011
Drake Hotel, Chicago, IL

Session 1 Thursday Morning – December 8

- Value of OSHA Voluntary Protection Program (VPP)
 - Management Perspective
Scott Buterbaugh, McConway & Torley
- Forklift and Shock Watch System
Tommy Thomas, American Foundry Group
- Zero Emission AOD
Micah Cary, Bradken (Tacoma)
- Is my Dust Combustible? – A Case Study
Paul Arneson, MetalTek
- Lessons Learned: Hiring and Retention
Lisa Velez, Eagle Alloy
- Health Care Reform Act
March Schmucker, Bradken (Atchison)
- Improving the Visual Inspection Process
Rick Stone, Kris Watts, Alex Clemons, Frank Peters, Iowa State University

Industry Luncheon

Session 2 Thursday Afternoon – December 8

- Computerized Maintenance Management Systems
Justin Olesen, Billy Newman, Spokane Industries
- Upgrading Foundry Control Software System
James Lee, American Foundry Group
- Comparison of Large Insulating and Exothermic Riser Sleeves
Jorge H. Okhuysen V., Corporação POK
- Riser Sleeves
Tyler Schneiter, Harrison Steel Castings Company
- Attachment of Vacuform Insulator
Jorge H. Okhuysen V., Corporação POK
- Sugar Investment Castings
Jorge Okhuysen, Corporação POK
- The Efficacy of Ceramic Sand on Burn-In Defects in Heavy Section Castings
Tim Mohs, Sivyer Steel Corporation
- Modern Sodium Silicate Technology
Jime DeVenne, J.B. DeVenne

Discussion Session

Industry Reception

This is a preliminary program subject to change

- SFSA Member or staff
- Researcher or industry consultant

Session 3

Friday Morning – December 9

- Ceramic/Zircon Mold Wash
Guillermo “Willy” Oyarzabal, Fimex
- Ceramic Cores in Steel Castings
Paul Strahm, Pacific Steel Casting Company
- Printed Molds and Cores
Zed Howell, Howell Foundry
- Hydraulic Mold Clamping System
Bill Reinsel, Andritz Durametal
- Effect of Calcium Injection with Argon Stirring on High Carbon Steel
Andy Miko, Antonio Melendez, Spokane Industries
- Reducing Tap Temperatures to Minimize Energy Use in Melting
*Kent Peaslee, Siddhartha Biswas, Simon Lekakh,
Missouri University of Science & Technology*
- Sponge: A Root Cause Defect Analysis
Tim Nitz, Harrison Steel Castings Company
- Evaluating Chemistry and Cleanliness of Steel in the Ladle
John Pischak, Harrison Steel Castings Company

Industry Luncheon

Session 4

Friday Afternoon – December 9

- Metal Reclaim; Waste Stream Reduction
Greg Kramer, ME Elecmetal
- Improved Methods Applied to Heat Treatment
Michael Asbury, Matrix Metals
- AMS 2750
Steve Grief, Wollaston Alloys
- Heat Treating Stainless Steel Castings for Optimized Corrosion Resistance and Mechanical Properties
John DuPont, Andrew Stockdale, Lehigh University
- Corrosion Testing for Lot Acceptance: Status of Current Test Methods and Where Do We Go from Here?
Ron Bird, Stainless Foundry & Engineering
- Weldability of Heat-Resisting Alloys
Jerry Gapinski, MetalTek
- Casting Simulation in the Small Job Shop
Mike May, May Foundry
- Experiences with Customers New to Steel Castings
Tom Kasee, Peter Stauersbol, Sawbrook Steel Castings Company

Discussion Session

Session 5

Saturday Morning – December 10

- Lower Carbon Content High Strength Cast Steels
Paul Lynch, Rachel Abrahams, Robert Voigt, Pennsylvania State University
- Development of High Strength (200ksi) Cast Steel Alloys
Kent Peaslee, Andrew O'Laughlin, Missouri University of Science & Technology
- Effect of Co Addition on the Structure and Mechanical Properties of 17-4 PH
Von Richards, Arpana Murthy, Simon Lekakh, David Van Aken, Missouri University of Science & Technology
- Measurement and Prediction of Mechanical Behavior of Cast Steel Plates with Centerline Porosity
Richard Hardin and Christoph Beckermann
- Measurement and Prediction of Stresses During Casting of a Steel Bar
D. Galles and Christoph Beckermann
- Measurement of Gas Evolution from PUNB Bonded Sand as a Function of Temperature
G. Samuels and Christoph Beckermann
- Verification of New Radiographic Testing (RT) Standard through Mechanical Testing
Jeff Hamby, John Griffin, Robin Griffin, University of Alabama - Birmingham
- Hardness Testing
Malcolm Blair, SFSA

Adjourn

Thank you for attending the 2011 National Technical and Operating Conference

T & O Workshop

STEEL FOUNDERS' SOCIETY OF AMERICA



National T&O Workshop Program - 12.07.10

2:00 PM to 6:00 PM

The Workshop program will consist of presentations on Visual Inspection, Corrosion testing, tension testing and Lean Manufacturing.

Matching Familiar Figures Test – Frank Peters, Iowa State University

Dr. Peters and his team will conduct a hands-on visual inspection exercise. You can find out which category you fall into – Fast Accurate, Slow Inaccurate, Impulsive, or Contemplative. This is a tool you may use to select candidates for visual inspection positions.

Fog Chamber for Corrosion Testing – John Griffin, University of Alabama

The students at UAB will describe how they made a salt water fog chamber for corrosion testing of stainless steels.

Mechanical Tension Testing – John Griffin, University of Alabama

If you are required to certify tension tests to the metric system, you need to convert the elongation method using 4d to 5d gage lengths. This work shows how this might be done through the development of a conversion factor rather than using a special extensometer.

Lean Transformation at Sivyer Steel – Brian Carroll, leancommerce.org

This presentation will feature a case study, which illustrates the management tasks required to conduct a company-wide Lean Transformation at an SFSA-member company.