52\textsuperscript{nd} Annual Technical Conference & Equipment Expo Covington, Kentucky
AGENDA

Sunday - September 19, 2004
2:00 p.m. - 4:00 p.m. Registration
6:30 p.m. - 8:00 p.m. Cocktail Reception

Monday - September 20, 2004
7:00 a.m. - 6:00 p.m. Registration
8:00 a.m. - 8:10 a.m. Introduction
8:10 a.m. - 8:45 a.m. Adrian Sabau
Oak Ridge National Laboratory
8:45 a.m. - 9:20 a.m. Paul Guinn
Kindt-Collins Company
9:20 a.m. - 9:55 a.m. Hank Harvey
Tech Cast, Incorporated
9:55 a.m. - 10:15 a.m. Break
10:15 a.m. - 10:50 a.m. Bruce Phipps
MPI - Systems
10:50 a.m. - 11:25 a.m. Howard Pickard
LBBC Ltd.
11:25 a.m. - 12:00 p.m. Tom Mueller
Express Pattern
12:00 p.m. - 12:15 p.m. CASTING CONTEST AWARDS
12:15 p.m. - 1:00 p.m. Lunch
1:00 p.m. - 6:00 p.m. Expo

Lobby (Marriott)
Ballroom (Marriott)
Paper No. 1
Tests for Determining Viscoelastic Properties of Investment Casting Waxes
Paper No. 2
Process Control in Wax Manufacturing
Paper No. 3
The Benefits of Wax Recycling in an Investment Casting Foundry
Paper No. 4
Casting Yields are Generated in the Wax Room
Paper No. 5
Techniques of Mould Dewaxing
Paper No. 6
The Changing Economics of Low Volume Investment Castings

Ballroom A (Northern Kentucky Convention Center)
Exhibit Hall 1 (Northern Kentucky Convention Center)

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AGENDA

Tuesday - September 21, 2004

8:00 a.m. - 8:10 a.m. Introduction
Ballroom (Marriott)

8:10 a.m. - 8:45 a.m. Robert Brown
Univ. of Birmingham/Remet UK

Paper No. 7
Development of a New Refractory Material for Investment Casting of Aluminum Alloys

8:45 a.m. - 9:20 a.m. Mike Hendricks
Ransom & Randolph

Paper No. 8
An Alternative to Shell Building in Slots, Cores and Blind Holes

9:20 a.m. - 9:55 a.m. Von Richards
University of Missouri-Rolla

Paper No. 9
Fracture Toughness, Permeability and Micro-Structure Analysis of Investment Casting Shells

9:55 a.m. - 10:15 a.m. Break

10:15 a.m. - 10:50 a.m. Russ Rosmait
Pittsburg State University

Paper No. 10
ICI Certification Course - Update and Discussion of Future Plans

10:50 a.m. - 11:25 a.m. James Jackson
S&A Consulting

Paper No. 11
A Layman’s Guide to Blending Zircon Flours

11:25 a.m. - 12:00 p.m. Attila P. Farkas
Hitchiner Manufacturing Company, Inc./Metal Casting Technology, Inc.

Paper No. 12
Energy Recycling Feasibility Study

12:00 p.m. - 1:00 p.m. Lunch

1:00 p.m. - 1:35 p.m. Tom Branscomb
Buntrock Industries

Paper No. 13
New Method of Determining Green and Fired Permeability of Investment Casting Shells

1:35 p.m. - 2:10 p.m. Tom Thornton
S&A Consulting

Paper No. 14
Inclusions and Dross During Alloy Melting for Investment Casting

2:10 p.m. - 2:45 p.m. Gail R. Cole
Howmet Research Corporation

Paper No. 15
Automation and Integration of Laboratory Information in the Foundry

3:00 p.m. - 6:00 p.m. Expo
Northern Kentucky Convention Center

7:00 p.m. - 8:30 p.m. Cocktail Reception
Gazebo Terrace (Marriott)

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AGENDA

Wednesday - September 22, 2004
8:00 a.m. - 8:05 a.m. Introduction
Ballroom (Marriott)

8:05 a.m. - 8:40 a.m. Len Ceriotti
Wisconsin Precision Casting Corporation
Paper No. 16
Experiences with Molten Caustic Cleaning of 356 Aluminum Investment Castings

8:40 a.m. - 9:25 a.m. Raymond Monroe
Steel Founders Society of America
Paper No. 17
Technology Development in Metal Casting through Federal Partnerships

9:25 a.m. - 10:00 a.m. Matt Mede
ALD Vacuum Technologies, Inc.
Paper No. 18
Titanium Casting Using the Permanent Mold Technique

10:00 a.m. - 10:20 a.m. Break

10:20 a.m. - 10:55 a.m. Dr. Oliver Luesebrink
Doncasters Precision Castings/Bochum
Paper No. 19
Foundry Benefits of Liquid Metal Cooling

10:55 a.m. - 11:30 a.m. Joe Tebbe
Triplex Systems, Incorporated
Paper No. 20
Applying a Flexible Manufacturing Work Cell to Improve the Ceramic and Gate Removal Process

11:30 a.m. - 12:05 p.m. Eric Askeland
3M Company
Paper No. 21
Abrasive Technologies and Applications in the Investment Casting Process

TBD Rod Egan
A.W. Bell Machinery Pty Ltd
Paper No. 22
Automation of the Cut Off Process In the Investment Casting Industry

12:05 p.m. - 12:10 p.m. Close

RECEPTIONS
Sunday, 9/19 - 6:30 PM
Grand Ballroom

Tuesday, 9/21 - 7:00 PM
Terrace

EXPO
Monday 1:00 - 6:00 PM
&
Tuesday 3:00 - 6:00 PM
Northern Kentucky Convention Center
*Exhibit Hall 1*

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