

# TMS 2015

144<sup>th</sup> Annual Meeting & Exhibition

March 15-19, 2015 • Walt Disney World  
Orlando, Florida, USA



## Make the Most of Your Travel to Orlando: Participate in a TMS Professional Development Course

### ALUMINUM MELTING WORKSHOP

Sunday, March 15, 2015 • Morning

Sponsored by the TMS Light Metals Division (LMD)

#### INSTRUCTORS

**Mark Badowski**, Hydro Aluminum; **Bill Betts**, Solatens Technology Center; **Don Doutre**, Novelis; **Anne Kvithyld**, SINTEF; **Gary Parker**, Wise Alloys; **Ray D. Peterson**, Aleris International; **Lawrence Ray**, Alcoa; **Peter Schumaker**, University of Leoben

#### WORKSHOP OVERVIEW

The aim of the workshop is to foster informal discussions and debate on important elements of aluminum melting, including recycling of scrap and preparation of the metal for casting. Presenters will share fundamental background information and best practices for critique and discussion. This workshop will be an opportunity for seasoned veterans to share knowledge with younger practitioners in the aluminum industry in an open environment. Two presentations will be made in each of four topical areas; each topical area discussion will last 40 minutes with 20 minutes allotted at the end for open discussion by all participants.

#### WORKSHOP AGENDA

##### Topic 1: Melting of sow and scrap

Laboratory Determination of Scrap Recoveries	Anne Kvithyld
Fundamentals of Scrap and T-bar Melting	Ray Peterson

##### Topic 2: Furnace types and furnace practices

European Furnace Perspective	
North American Furnace Perspective	Gary Parker

##### Topic 3: Alloying additions and techniques

Major Alloying Elements: Materials and Methods	Lawrence Ray
Control of grain size in Al alloys	Peter Schumaker

##### Topic 4: Impurity removal in the furnace and in-line

Inclusions Measurement and Removal	Don Doutre / Bill Betts
Chemical Impurities Measurement and Removal	Mark Badowski

#### REGISTRATION INFORMATION

Register for the Aluminum Melting Workshop through the TMS 2015 Annual Meeting & Exhibition registration form.

#### REGISTRATION FEES

Before February 9, 2015	After February 9, 2015
Member \$125	Member \$175
Nonmember \$175	Nonmember \$225
Student \$75	Student \$125

For more information on professional development courses, visit:

[www.tms.org/PD2015](http://www.tms.org/PD2015)