



# TMS 2011

## 140th Annual Meeting & Exhibition

February 27 to March 3, 2011  
San Diego Convention Center • San Diego, California USA

### Furnace Efficiency – Energy and Throughput

#### **Sponsored by**

TMS Light Metals Division (LMD), Energy Committee (LMD/EPD)

#### **Topics**

This symposium will cover technology, materials, and processes to improve energy efficiency and throughput with melt, hold, and heat treat furnaces. Since throughput and energy efficiency are very closely tied together, this symposium looks to optimize furnace operations in both areas. Papers will be published in the Light Metals Proceedings.

#### **Furnace Types:**

- Melt Furnaces
- Hold Furnaces
- Heat Treat Furnaces

#### **Technology**

- Furnace Design
- Stirring
- Burners
- Oxygen Fuel
- Controls
- Furnace Pressure

#### **Materials**

- Refractory
- Insulation
- Coatings

#### **Processes**

- Lean and 6-s improvements
- Project improvements

#### **Organized by**

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#### **To submit an abstract:**

Abstracts must be submitted by July 15, 2010 via ProgramMaster featured on the [TMS 2011 home page](#).  
(Please click on the 'Abstract Submissions' link in the ProgramMaster box).

