

The logo for TMS 2016 features the letters 'TMS' in a stylized, overlapping font within a blue circular graphic, followed by the year '2016' in a large, bold, black sans-serif font.

# TMS 2016

**PROFESSIONAL DEVELOPMENT**  
FEBRUARY 14-18  
DOWNTOWN NASHVILLE, TENNESSEE

**BROADEN YOUR EXPERTISE: REGISTER FOR A  
PROFESSIONAL DEVELOPMENT EVENT AT TMS2016**

## **PRACTICAL METHODS OF “IN-PLANT” TESTING OF CARBON ANODES USED IN ALUMINUM SMELTING**

**SUNDAY, FEBRUARY 14, 2016 • 1:00 P.M. TO 4:30 P.M. (CST)**

**SPONSORED BY THE TMS LIGHT METALS DIVISION AND ALUMINUM COMMITTEE**

### **INSTRUCTOR**

Barry Sadler, Net Carbon Consulting Pty Ltd.

### **WORKSHOP OVERVIEW**

The testing of core samples taken from the baked anodes used in aluminum production is well established at smelters. This testing is essential for feedback on anode core quality but requires laboratory facilities and can take several days to get results. Laboratory anode testing can be supplemented by practical “in-plant” anode quality testing methods that give rapid feedback on anode quality and require only very simple tools.

In this workshop, the basis and techniques used in these methods of assessing anode and butt quality will be explained so they can be applied by attendees. The link between test results and diagnosing anode performance will be explained. In particular, the optical macroscopy method of core quality assessment will be demonstrated — although not a prerequisite, if they are in a position to do so, workshop participants are strongly urged to bring a sample of around 10 permeability/thermal conductivity anode core slices from their plant to the course for assessment.

### **REGISTRATION FEES**

Register for this professional development event through the TMS 2016 Annual Meeting & Exhibition Registration Form.

<b>Before January 8, 2016</b>	<b>After January 8, 2016</b>
Member \$325	Member \$425
Nonmember \$375	Nonmember \$475
Student \$75	Student \$125

Learn more about this workshop at: [WWW.TMS.ORG/TMS2016/ANODES](http://WWW.TMS.ORG/TMS2016/ANODES)