

The logo for TMS 2016 features the letters 'TMS' in a stylized, overlapping font within a blue circular graphic, followed by '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**

EFFECTS AND CONTROL OF IMPURITIES ALONG THE ALUMINUM VALUE CHAIN

SUNDAY, FEBRUARY 14, 2016 • 8:30 A.M. TO 4:30 P.M. (CST)

SPONSORED BY THE TMS LIGHT METALS DIVISION AND ALUMINUM COMMITTEE

INSTRUCTORS

John Grandfield, Grandfield Technology Pty Ltd. and Swinburne University of Technology; **Stephen J. Lindsay**, Alcoa Inc.;
Ray Peterson, Real Alloy; and **Pete Forakis**, STAS Middle East

WORKSHOP OVERVIEW

Current changes in raw material purity and increasing product quality standards make understanding of impurity effects along the value chain and impurity control extremely topical. This short course covers sources of impurities in primary and secondary aluminum and their effects along the value chain. Impurities covered include trace elements such as sodium, calcium, nickel, vanadium, etc. Boride treatment for peritectic element removal, hydrogen effects and removal and demagging are included. Inclusion sources and inclusion removal methods are also covered.

REGISTRATION FEES*

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

Before January 8, 2016	After January 8, 2016
Member \$525	Member \$600
Nonmember \$575	Nonmember \$650
Student \$300	Student \$350

** Registration fees include lunch.*

Learn more about this workshop at: WWW.TMS.ORG/TMS2016/VALUECHAIN