

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**

MANAGING TECHNICAL AND FINANCIAL RISK IN A NEW TECHNOLOGY PROJECT ENVIRONMENT

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

**SPONSORED BY THE TMS EXTRACTION & PROCESSING DIVISION, PYROMETALLURGY
COMMITTEE, AND PROFESSIONAL DEVELOPMENT COMMITTEE**

INSTRUCTORS

Phillip J. Mackey, P.J. Mackey Technology Inc.; **Mark W. Kennedy**, ProVal Partners SA and Norwegian University of Science and Technology; and **Carmine Ciriello**, Analyze and Improve

COURSE OVERVIEW

In this course, participants will:

- Review previous mega-project mining and metallurgical early plant performance.
- Learn the sources and types of technical and technological risks in mining and metallurgy projects.
- Review common project and risk management tools (front-end loading, staged project management, risk analysis, risk registers, mitigation strategies, hazard identification studies, HAZOP and FMECA, Monte Carlo, Six Sigma, and design for Six Sigma).
- Explore systematic methods of quantifying and controlling project risk in new technology projects for a more successful outcome (technology risk reviews, design and scale-up methods—DMAIC, project execution strategies, project scheduling, flow sheet modifications, and safety).
- Review standard methods for the financial analysis of projects.
- Learn new methods of assessing the financial impact of technical and technological risk, in the form of risk-weighted cash flow and risk weighted net present value (rNPV).

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 \$575	Member \$650
Nonmember \$625	Nonmember \$700
Student \$300	Student \$350

** Registration fees include lunch.*

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