

# TMS 2018



**BROADEN YOUR EXPERTISE: REGISTER FOR A PROFESSIONAL DEVELOPMENT EVENT AT TMS2018**

## **DETERMINATION OF SUSTAINABILITY INDICATORS OF MINERAL AND METALS USING LIFE CYCLE ASSESSMENT**

**SUNDAY, MARCH 11, 2018 • 8:30 A.M. TO 4:30 P.M.**

This one-day course will consist of two distinct sessions. The morning session will focus on providing participants an introduction to life cycle assessment approaches including some historical context to help participants understand the current state of the field, an introduction to the ISO Standards and other guidance related to performing LCA studies, and overview of available software tools and datasets, and an example calculation using the SimaPro LCA software package.

The afternoon session will focus on case studies and application of LCA in mining, mineral processing, and metal production. The case studies will specifically cover LCA of various mining methods, mineral commodities, and metal production routes within specified boundaries. Other process industries will include making of charcoal from woody biomass and application of biocarbon in metallurgy.

### **INSTRUCTORS**

**Nawshad Haque**, The Commonwealth Scientific and Industrial Research Organization (CSIRO)  
**John Rankin**, CSIRO and Swinburne University, Melbourne

### **SPONSORED BY**

TMS Recycling and Environmental Technologies Committee

### **REGISTRATION FEES\***

	Advanced	On-Site
Member	\$525	\$600
Non-member	\$575	\$650
Student	\$300	\$350

*\*Continental breakfast and lunch are included with registration.*

Learn more at: [www.tms.org/TMS2018](http://www.tms.org/TMS2018)