



TMS 2012

141st Annual Meeting & Exhibition



March 11 – 15, 2012 • Walt Disney World Swan & Dolphin Resort • Orlando, Florida

Estimation of Slag Properties

Sunday, March 11, 2012 • 8:30 a.m. – 4:30 p.m.

Member fee: **\$475**

Late Member fee: **\$550**

Nonmember fee: **\$525**

Late Nonmember fee: **\$600**

Course Description and Objectives:

Slags play a vital role in many high-temperature processes and frequently, it is the physical properties of the slag which determine process control and product quality. The course aims to provide an understanding of the nature of molten and solid slags and to provide suitable methods to estimate their physical properties.

Slag properties are dependent on their structure; the factors affecting slag structure are described and how these factors interact to affect individual properties in different ways. The various factors affecting thermo-physical measurements are described. From an industrial standpoint, there is a great need to estimate these thermo-physical properties. The various methods used to provide these estimates are outlined. Software is provided to calculate the various thermo-physical properties from the chemical composition of the slag. Instruction in the use of the software is also provided.

Who should attend:

Process engineers, mathematical modellers, continuous casting engineers and academics involved in high-temperature processes involving slags, glasses and fluxes.

Instructors:

Ken Mills