

TMS 2009

138th Annual Meeting & Exhibition

February 15-19, 2009

Moscone West Convention Center
San Francisco, California, USA

Alumina Refinery Fundamentals and Practice

Short Course • Sunday, February 15 • 8:30 a.m. to 5 p.m.

Who Should Attend

Anyone who would like to understand more about the alumina refining process, including:

- Individuals beginning their careers in alumina refining
- People engaged in other aspects of aluminum manufacture
- Engineers or technologists in the alumina industry interested in process technology, alumina production and operation, maintenance and design of refineries

Learn About

- Bayer alumina process including the basic process for producing alumina from bauxite ore, definitions of key process terminology, importance of bauxite quality in refinery design, and basic refinery facilities.
- Fundamentals of alumina calcination, process design criteria, and operational and maintenance requirements for large calciners in the alumina industry including both circulating fluid bed and gas suspension technologies.
- Tools and measures to increase performance and availability of industrial calciner units.
- Major influence of microstructure and properties of smelter grade alumina on the operation of smelters.
- Current trends in alumina properties, for example, in relation to changes in calciner technologies and in terms of phase distribution and alumina microstructure.
- History of Process Safety Management (PSM) and how it is applied to the Bayer process for the production of alumina. Examples will be provided.

Instructors

Don Donaldson, Alumina Industry Consultant

Jim Metson, Light Metals Research Centre, the University of Auckland

Hans W. Schmidt, Consultant

Carlos Suarez, Associate Senior Process Consultant, Light Metals, Hatch Associates

Susanne Wind, Process Engineer, FLSmidth Minerals A/S

For Pricing Information and to Register

Web: www.tms.org/annualmeeting.html (Click on Networking Events icon.)

For More Information

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