

TMS 2015

144th Annual Meeting & Exhibition

March 15-19, 2015 • Walt Disney World
Orlando, Florida, USA

TMS
PROFESSIONAL
DEVELOPMENT
EVENT

Make the Most of Your Travel to Orlando: Participate in a TMS Professional Development Course

EXPLORE THE USE OF THE CALPHAD MODELING TOOLS FOR YOUR DAILY PRACTICE

Sunday, March 15, 2015

Sponsored by the TMS Structural Materials Division (SMD)

INSTRUCTORS

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WORKSHOP LEAD ORGANIZER

Fan Zhang, CompuTherm

WORKSHOP OVERVIEW

Integrated Computational Materials Engineering (ICME) has recently been highlighted as a methodology that can unlock great potential for significant benefits in cost-effective materials and process design. Among the available ICME tools, the CALPHAD type of modeling tools have been used by researchers/engineers for several decades. Although it emerged first as an approach for multi-component phase equilibrium calculation, the CALPHAD approach has in recent years been applied to a broader field of materials science and engineering beyond phase diagrams, such as solidification, coating, joining, and phase transformation.

In this workshop, we will give an overview of the CALPHAD approach, its basic principles, and its applications. The workshop covers a wide spectrum, from the basics of phase diagrams and the CALPHAD approach to applications of this approach to multicomponent systems for material design and development. The workshop will be beneficial to all levels of CALPHAD practitioners. Beginners can use this opportunity to learn an overall picture of the CALPHAD approach, and experts can learn some new features and applications of this approach.

REGISTRATION INFORMATION

Register for "Explore the Use of the CALPHAD Modeling Tools for Your Daily Practice" through the TMS 2015 Annual Meeting & Exhibition registration form.

REGISTRATION FEES

Before February 9, 2015

Member \$125
Nonmember \$175
Student \$75

After February 9, 2015

Member \$175
Nonmember \$225
Student \$125

For more information on professional development courses, visit:

www.tms.org/PD2015