

The logo for TMS 2016 features the letters 'TMS' in a stylized, overlapping font within a blue circular graphic, followed by the year '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**

MULTIPHYSICS MATERIALS SIMULATIONS USING THE OPEN SOURCE MOOSE FRAMEWORK

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

SPONSORED BY THE TMS STRUCTURAL MATERIALS DIVISION

***“INSTRUCTORS PROVIDED EXCELLENT EXPLANATION OF FRAMEWORK FOR PHASE
FIELD AND FINITE ELEMENTS. VERY EMPOWERING COURSE.”***

—TMS2015 COURSE ATTENDEE

INSTRUCTORS

Andrew Slaughter and **Daniel Schwen**, Idaho National Laboratory

WORKSHOP OVERVIEW

The Multiphysics Object Oriented Simulation Environment (MOOSE) is an open source framework aiding in the development of scientific simulation tools. MOOSE has been widely utilized for materials studies at the engineering and mesoscales and has modules for finite strain mechanics, phase field, and heat and mass transfer. A modular, pluggable interface provides simplified access to powerful, massively parallel nonlinear solvers; it can run small problems and has demonstrated good scalability to over 10,000 processors. This workshop will cover everything necessary to utilize MOOSE and its modules in the creation of new materials applications.

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 \$175	Member \$225
Nonmember \$225	Nonmember \$275
Student \$125	Student \$175

* Registration fees include mid-morning and mid-afternoon refreshment breaks. There will be a mid-day break during which attendees can get lunch on their own.

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