

TMS 2018



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

MODELING THE COEVOLUTION OF MICROSTRUCTURE AND PROPERTIES USING THE MOOSE FRAMEWORK WORKSHOP

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

The Multiphysics Object Oriented Simulation Environment (MOOSE) is an open source framework aiding in the development of scientific simulation tools. MOOSE is emerging as a powerful framework for developing mesoscale computational materials science tools. This is accomplished by utilizing modules for finite strain mechanics, phase field, and heat and mass transfer. The 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 to predict the coevolution of microstructure and properties. For more information, visit the MOOSE Framework website: mooseframework.org

INSTRUCTORS

Larry Aagasen, Idaho National Laboratory
Daniel Schwen, Idaho National Laboratory
Michael Tonks, University of Florida

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TMS Structural Materials Division

REGISTRATION FEES

	Advanced	On-Site
Member	\$175	\$225
Non-member	\$225	\$275
Student	\$75	\$125

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