

Introduction to Computational Approaches in Materials Science

One-Day Educational Symposium

Friday, May 26th, 2023 - 9:00 am – 5:00 pm

Institute for Advanced Materials & Manufacturing, UT Knoxville
2641 Osprey Vista Way, Knoxville, TN 37920

Sponsors

Oak Ridge Chapter of ASM

Institute for Advanced
Materials & Manufacturing,
UT Knoxville

Registration Fee

Regular: \$400

Student: \$200

Retiree: \$200

Price includes

- Course Materials
- Lunch

Register on-line

Space is limited

Who should attend:

Engineers, researchers, designers, technicians, managers, students, and anyone interested in applications of computational approaches to material science and engineering

Topics include:

- Basics of thermodynamic and kinetic modeling
- Modeling of microstructural evolution
- Applications to casting, welding, and additive manufacturing
- Basics of Python and applications to neutron scattering
- Introduction to machine learning
- Applications of machine learning to property prediction

Instructors:

Steve Dewitt, Zhili Feng, Malcolm Guthrie
Sunyong Kwon, Rishi Pillai, B. Radhakrishnan,
K. Ramakrishnan, Marie Romedenne, Dongwon
Shin (Oak Ridge National Laboratory)

Jiten Shah (PDA LLC)

For more information, contact:
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Register on-line:

<https://eportal.asminternational.org/myasm/s/store#/store/browse/detail/a174600000SpjrAAC>