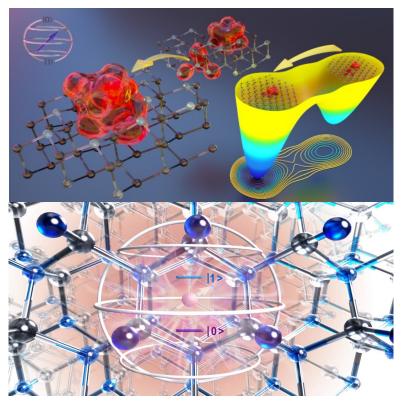
Oct 13-14, 2022 - Argonne National Lab

MICCOM Workshop & Hands-on tutorials A



DESCRIPTION

The workshop will include lectures and hands-on exercises which apply cutting-edge algorithms to simulations of materials for energy and quantum information science, utilizing codes developed by the Midwest Integrated Center for Computational Materials (MICCoM): first principles molecular dynamics (Qbox), many-body perturbation theory (WEST), free energy sampling methods (SSAGES), and spin coherence time calculations (PyCCE). The event will focus on how these codes may be used and coupled in order to compute properties of complex heterogeneous systems and how to validate experimental data.



LECTURERS & INSTRUCTORS

Giulia Galli, UChicago & ANL
Francois Gygi, UCDavis
Marco Govoni, ANL & UChicago
Yu Jin, UChicago
Elizabeth Lee, UChicago
Nikita Onizuk, UChicago
Christian Vorwerk, UChicago
Jonathan Whitmer, UNotre Dame
Victor Yu, ANL
Cunzhi Zhang, UChicago
Pablo Zubieta, UChicago

DEADLINE September 30, 2022

HOW TO APPLY https://bit.ly/MICCoMWkshp

