

Oct 13–14, 2022 - Argonne National Lab

# MICCoM Workshop & Hands-on tutorials

Argonne  
NATIONAL LABORATORY



## 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>

