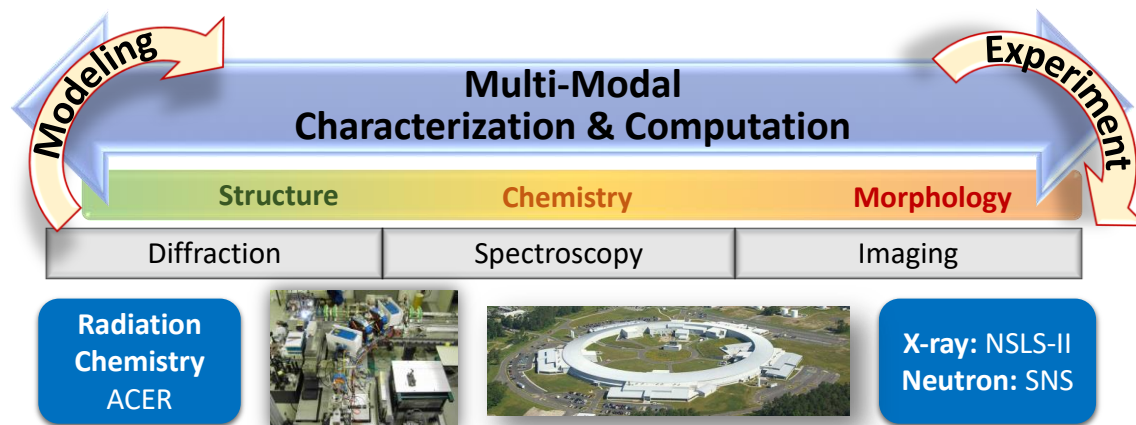


Molten Salts in Extreme Environments (MSEE)

James Wishart (Brookhaven National Laboratory); Class: 2018-2022

MISSION: To provide a fundamental understanding of the bulk and interfacial chemistry of molten salts that will underpin molten salt reactor technology.



<https://www.bnl.gov/moltenalts/>

RESEARCH PLAN

Coordinated experimental and theoretical efforts using cutting-edge capabilities at DOE-SC User Facilities and at partner institutions as well as high-performance computing will examine the atomic basis of molten salt behavior under the coupled extremes of high temperature and ionizing radiation to provide a predictive description of molten salt chemistry.