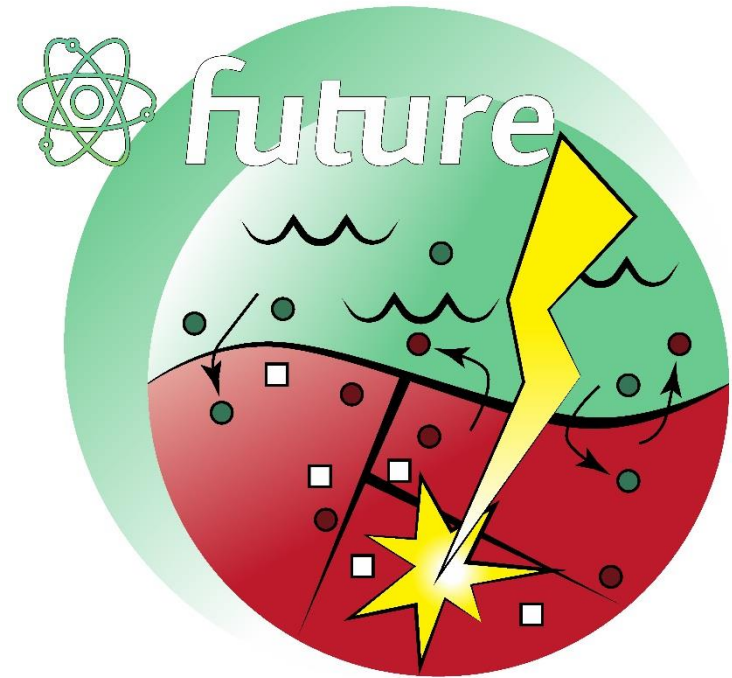


Fundamental Understanding of Transport Under Reactor Extremes (FUTURE)

Blas Pedro Uberuaga (Los Alamos National Laboratory); Class: 2018-2022

MISSION: To understand how the coupled extremes of irradiation and corrosion work in concert to modify the evolution of materials by coupling experiments and modeling that target fundamental mechanisms.



<http://future.lanl.gov/>

RESEARCH PLAN

We combine experiment and modeling to understand the fundamental processes responsible for materials evolution under concurrent irradiation and corrosion. Our focus is on point defect production, coupled transport of chemical species in the material, and reactions at and across interfaces.