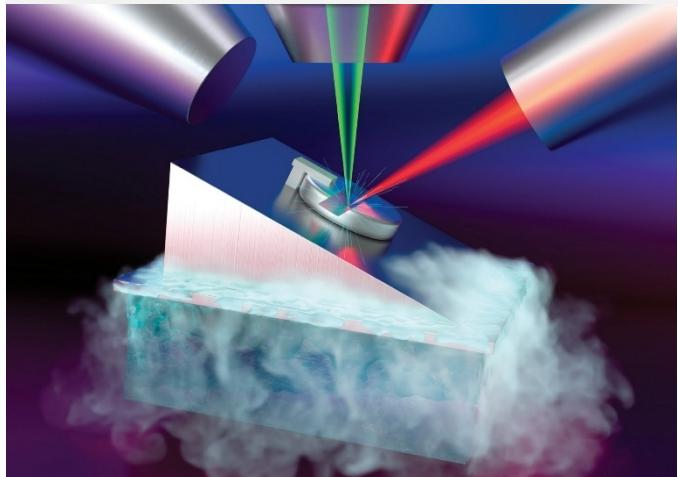
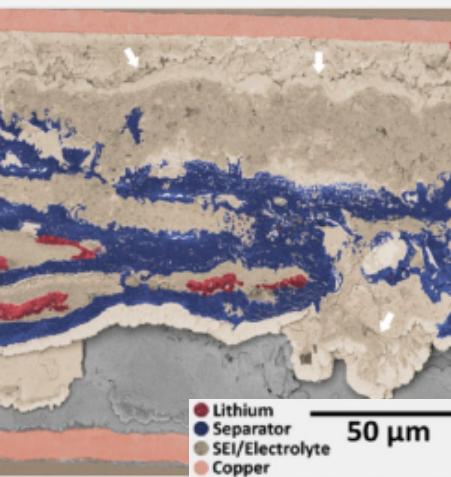


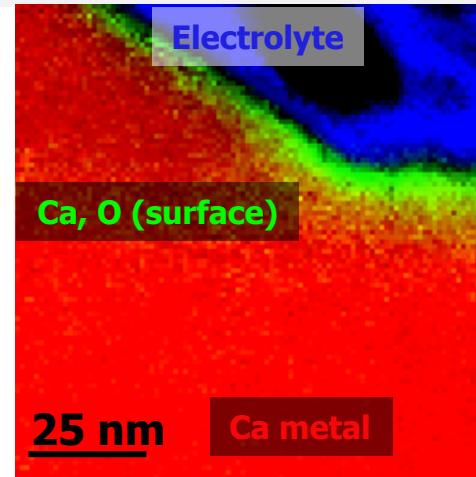
Daniel Long, Center for Int. Nanotechnologies, Sandia Nat'l Labs Project Overview



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Manuscript In Preparation

Teaming Overview and Objectives

- Our facilities
 - Dedicated cryo preparation lab
 - 2 Cryo-capable FIBs, 2 FEI titans with cryo-TEM holders
 - Standard FIB/SEM analysis
 - Low dose imaging, nanoscale chemical mapping, 4D STEM
- Looking for modeling & synthesis

Impact

- Characterize Previously Inaccessible Materials & Interfaces with low beam damage
- Image, diffraction(strain),chemistry of buried interfaces, sensitive mat'l's
- Provide valuable native nano-to-macro scale structure and chemistry information