

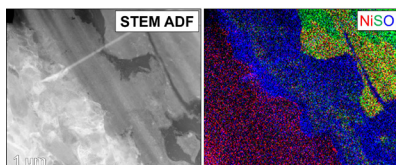


FREE VIRTUAL WORKSHOP: NNCI Nanoscience in the Earth & Environmental Sciences Research Community



MAY 16-17, 2022
optional 'Office Hours with
Experts' on May 18

Invited speaker
Prof. Susan L Brantley
Penn State University



TEM image and compositional map of the meteorite case study sample used in Day 2, which illustrates boundaries between iron metal (left), magnetite (middle), and iron sulfides (right).



Falling Creek Reservoir (Vinton, VA), the sampling site for the case study sample used in Day 1

Designed for nano-novices in Earth, environment, agricultural, water, geoscience, or related fields.

This workshop will demonstrate the practical aspects of applying the tools and knowledge of nanoscience to study planetary and environmental samples. Specifically, the focus will be on using electron imaging, spectroscopy, and x-ray diffraction methods to study natural materials at the nanoscale.

The workshop content will be presented as two case studies:

- 1) nanoparticles in sediments collected from an active drinking water reservoir, and
- 2) nanoscale structures in a meteorite sample.

Topics to be covered include sample collection in the field, sample preparation/preservation, and instrumental data acquisition, reduction, and representation.



nano@stanford

To learn more & register

