

Session Program

Aug 5 - 7, 2026



Synchrotron X-rays for Metals in Plants, Soils, and Environmental Systems: Early Science and Community Building at XLEAP

Plants and critical minerals

Cornell University, Bradfield 101
306 Tower Road, Ithaca, NY 14853, USA Cornell University College of Agriculture and Life Sciences

Thu, August 6

11:15 AM

Plants and critical minerals

Session |**Location:** Cornell University, Bradfield 101, 306 Tower Road, Ithaca, NY 14853, USA Cornell University College of Agriculture and Life Sciences

11:15 - 11:45 AM

The Microbe-Mineral Atlas and Biomining Critical Elements

Speaker

Buz Barstow

11:45 AM - 12:15 PM

Advances in Simultaneous Reduction and Nitriding of Iron Oxides using Ammonia by Harnessing Operando Cross-Scale X-Ray Scattering Measurements

Speaker

Greeshma Gadikota

12:15 PM