



TAO SUN

ASSOCIATE PROFESSOR



TAO SUN | UNIVERSITY OF VIRGINIA

Tao Sun is an Associate Professor at the Department of Materials Science and Engineering of University of Virginia (UVA). Tao's doctoral research at Northwestern University (with Vinayak Dravid) was focused on fabrication and characterization of nanostructured oxides. In 2010, Tao joined the X-ray Science Division (XSD) of Argonne National Laboratory as a Postdoc, working on coherent electron scattering (with Dr. J. Murray Gibson) and coherent x-ray scattering (with Dr. Jin Wang).

In 2012, Tao became an Assistant Physicist in the Imaging Group of XSD and later promoted to Physicist in 2017. During this period, Tao developed and applied high-speed x-ray imaging/diffraction techniques for studying highly dynamic irreversible/non-repeatable material processes. In Sep 2019, Tao started his academic career at UVA as a tenure-track associate professor. Tao's lab at UVA will be specialized in developing advanced material systems using laser-based additive manufacturing techniques, with a research focus on understanding the physics underlying AM materials' unique microstructures and properties.