

**Center for Electron Microscopy and Analysis,
College of Engineering**

Post doctoral researcher

EXPECTED HIRE DATE: This position is immediately available.

REQUIRED QUALIFICATIONS:

Doctoral Degree in materials science or relevant field of science or engineering; extensive experience in aberration corrected electron microscopy and associated techniques; ability to comply with export control regulations and handle confidential information and data; advanced knowledge and experience with electron microscopes; excellent written and verbal communication skills; ability to work dynamically in a diverse team environment; ability to translate, adapt, and apply academic and/or practical knowledge. Please note that pursuant to a government contract, this specific position requires U.S. citizenship status.

Desired: A broad background and interest in interdisciplinary science; ability to apply fundamental concepts and techniques developed in one discipline to a variety of (and perhaps incompletely defined) problems traditionally associated with other disciplines.

JOB DESCRIPTION:

We are seeking an outstanding post-doctoral researcher (PDR) who has extensive expertise in the development and application of electron microscopy for advanced materials characterization. The successful candidate will participate in the planning, design, and execution of research projects in a broad set of activities involving hard (e.g., metallic and oxides) materials of interest to AFRL/RX, in which existing theory or methods may be limited or lacking. The experimental effort involves use of Science Technology Engineering and Mathematic (STEM) research, High Resolution Electron Energy Loss spectroscopy (EELS) and Energy-dispersive X-ray spectroscopy, dual beam Focused Ion Beam microscopy (FIB), Optical Microscopy, Electron/X-ray tomography. This position is located at both the Air Force Research Laboratory at Wright-Patterson Air Force Base (WPAFB) in Dayton, Ohio and at the Center for Electron Microscopy and Analysis (CEMAS) in Columbus, Ohio. The successful candidate would normally reside in Columbus, and travel frequently between Dayton and Columbus, Ohio.

HOW TO APPLY:

Please apply online at www.jobsatosu.com/postings/98389

Job ID#: 452502

CONTACT:

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**PHYSICAL
SCIENCES**

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