

Teaching Microscopy: A Changing Paradigm

Purpose

This program will be one of the first collaborations between a multidisciplinary microscopy facility and a local high school. The intent is to introduce high school students to the concept of microscopy based materials examination through the development of teaching modules that can be incorporated into a curriculum as part of an existing course or as stand-alone senior level projects. The program will make use of CEMAS developed digital theater and remote instrument access capabilities.

Impact

Integrate the technical expertise and research capabilities at the Center for Electron Microscopy and Analysis (CEMAS) with the curriculum at Metro High school.

Ability to provide a revolutionary learning experience in a newly designed digital theater with remote access to several million dollars worth of microscopy equipment.

No one else is able to offer a similar program because our facility at CEMAS is uniquely positioned to provide excellent on-site microscopy experiences as well as the teaching/research expertise.



Ohio State Colleges/Units Involved

College of Engineering
Materials Science and Engineering
Center for Electron Microscopy and
Analysis

Community Partners Involved

Metro High School

How you can get involved:

- Collaborate with us to extend **Materials Science and Microscopy** to local high school students or middle school students
- Take a tour at our facility
- Learn about internship opportunities at CEMAS

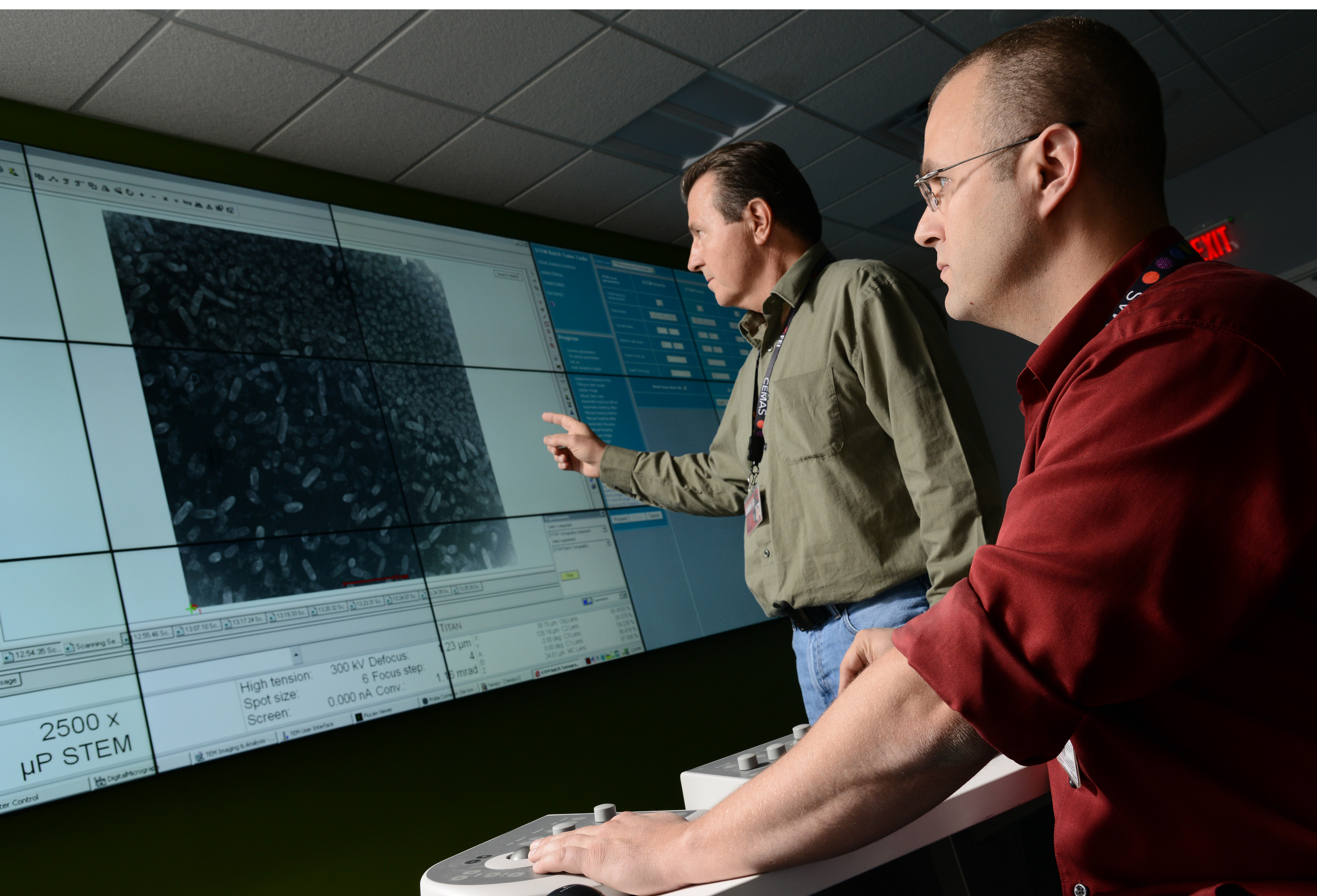
To get involved, contact:

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