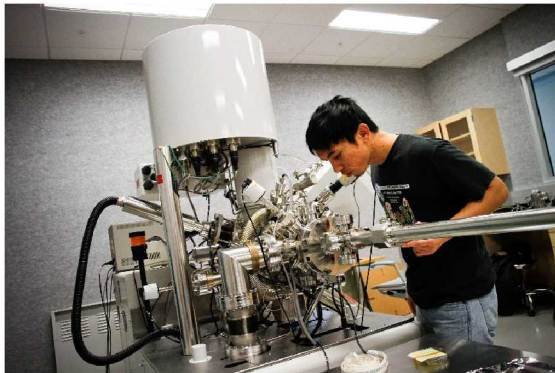


# Nanofab Core Facility Lab

**EMSAL:  
Electron Microscopy &  
Surface Analysis Lab**



***Brian Van Devener, PhD  
EMSAL Lab Manager***



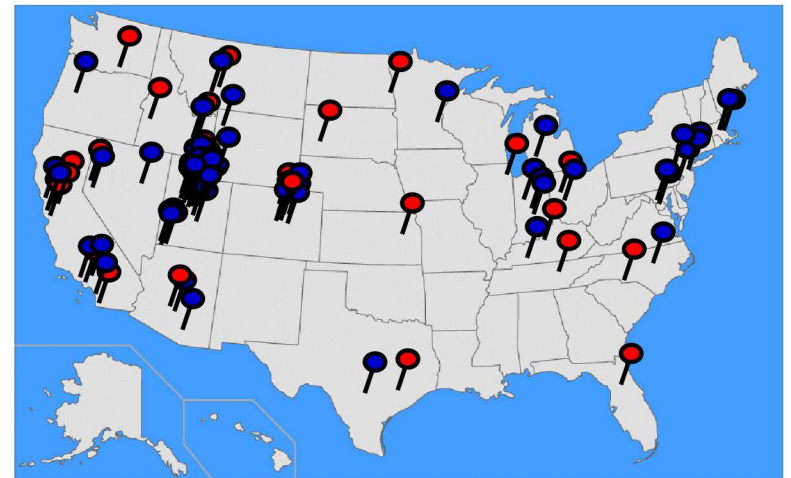
<https://www.nanofab.utah.edu>

**Cleanroom: Fabrication,  
Thin-Film Deposition  
and More**



# Essential Core Facility for U of Utah and Beyond!

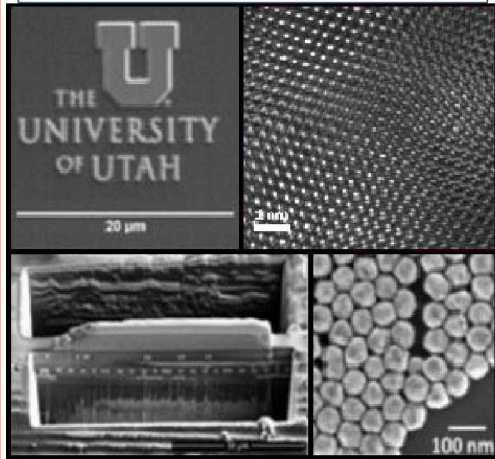
- **Microscopy and materials characterization:** measuring size ( $\text{\AA}$  to mm scales), chemical, elemental, electrical, mechanical properties of materials.  
51 state-of-the-art instruments, \$11.6M in value.
  - **An extension of your lab: fee based access\***  
Our staff can provide analytical and measurement service for you, or we can train you
  - 119 faculty members from 25 departments (9 colleges) actively use the facility
  - 266 trained students currently use the facility
  - We do work for 90 companies and 19 other academic institutions
- \*fees range from \$1/hr to \$100/hr depending on instrument.  
See: <https://www.nanofab.utah.edu/billing-rates/> for more details



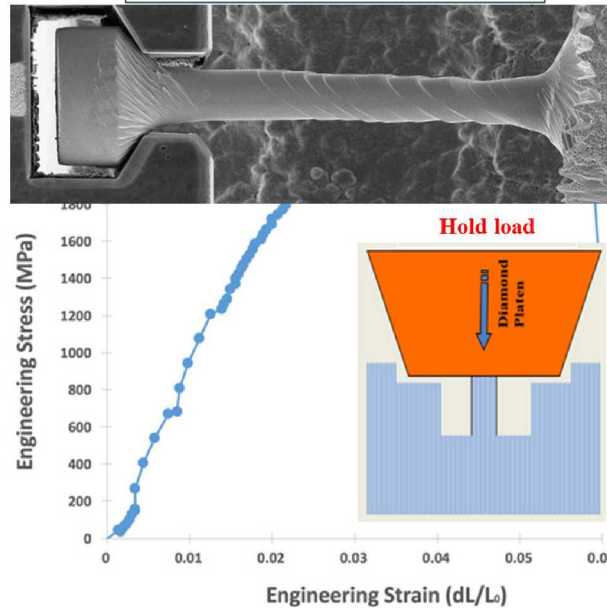


# Nanofab EMSAL Core Capabilities

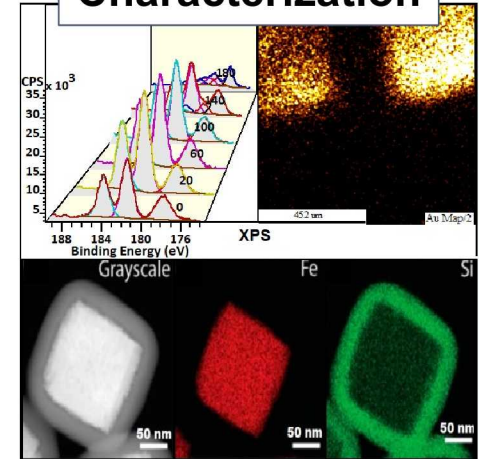
## Electron Microscopy



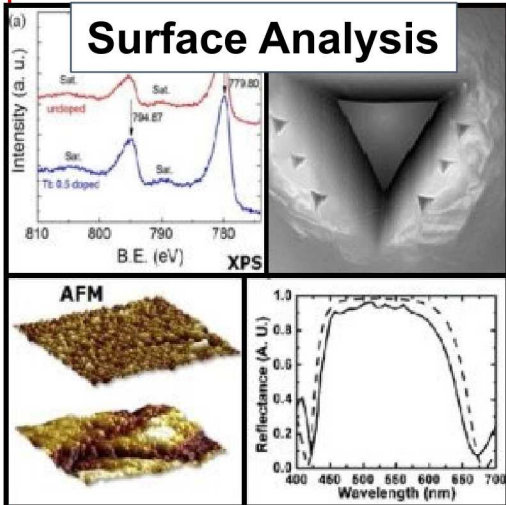
## Micro-mechanical Testing



## Materials Characterization



## Surface Analysis



## Sample Preparation

