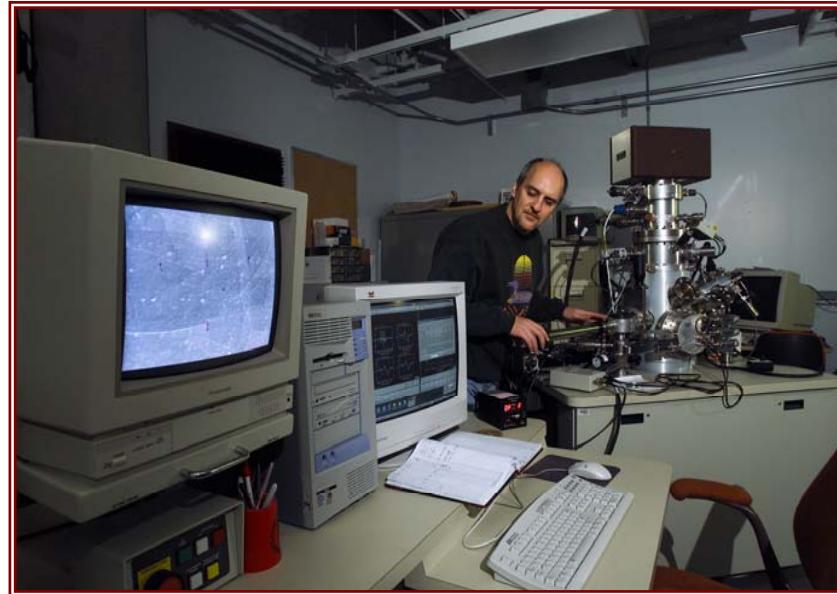


PHI 680 Scanning Auger Nanoprobe

Instrument Characteristics:

- Provides elemental and some chemical information
- Surface sensitive (top 3-5 nm)
- High spatial resolution
- Ar⁺-ion depth profiling
- In-situ fracture stage

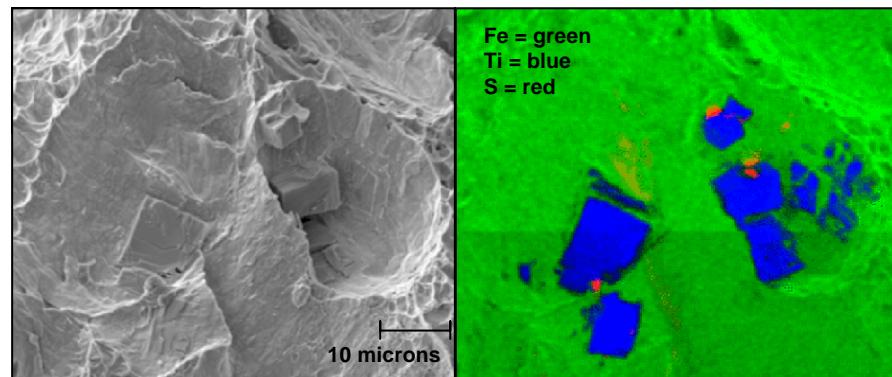


Fracture Surface of Steel Specimen

Auger Map of Fracture Surface

Current Research Activities:

- Grain boundary characterization of metals and alloys
- 3-D thin film characterization using elemental mapping and depth profiling
- Corrosion and failure analysis



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