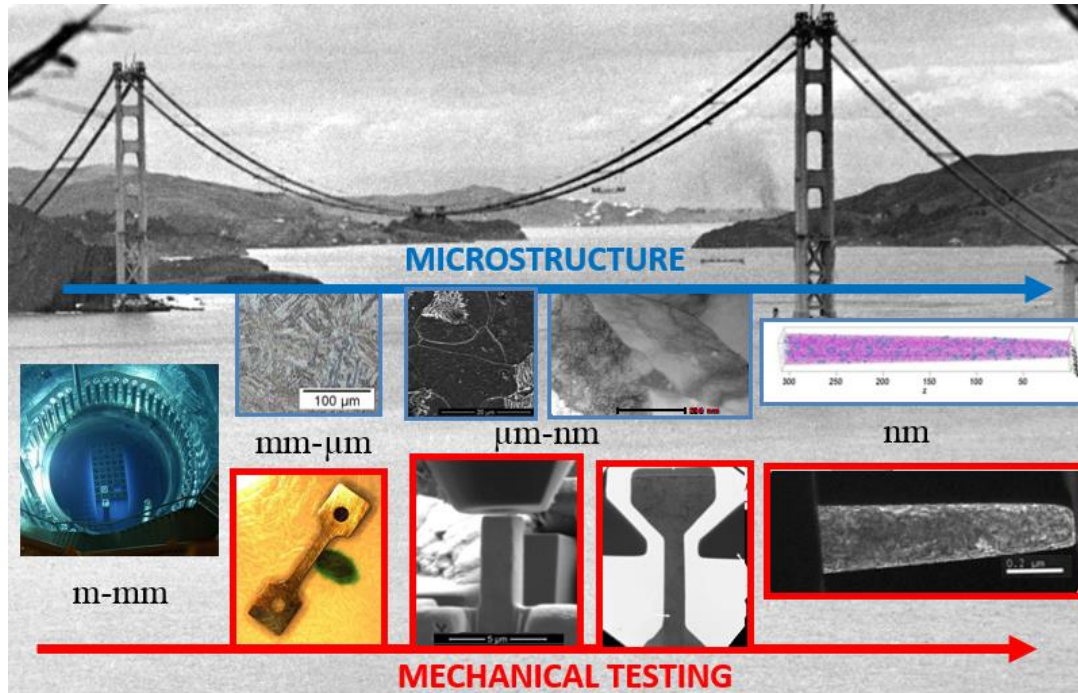


Berkeley workshop on micromechanics & materials behavior

Bridging the gaps

When: March 6th and 7th, 2017

Where: UC Berkeley Hearst Memorial Mining Building (HMMB) Room 290



Scope of the workshop:

With the advent of small scale mechanical testing techniques, examination of local micromechanical plastic deformation mechanisms has become an integral part of material science. The different testing techniques available to researchers rapidly improved, and several of them became commercialized. This enabled new frontiers in material science to be addressed, and to perform modeling and experiments at the same length scale. Ongoing activities focus on bridging the various length scales involved in materials science problems.

This workshop features on:

- Advances in small scale mechanical testing and its application to science and engineering.
- Recent developments of material evaluation in extreme environments such as radiation, or temperature.
- Correlation between local structural and mechanical material properties.
- Micromechanical and scale bridging material modeling approaches

Organizer/contact: Hosemann; University of California at Berkeley (peterh@berkeley.edu) D. Kiener
Montanuniversität Leoben (daniel.kiener@unileoben.ac.at)