

# We revolutionize the design, testing and manufacturing of materials and systems for extreme environments



## Innovating across disciplines and industries

We develop advanced technologies for aerospace, energy, biomedical, nuclear, environmental, defense and advanced manufacturing applications through:

- MATERIALS DESIGN AND COMPUTATION
- CHARACTERIZATION AND DIAGNOSIS
- MANUFACTURING AND INTEGRATION
- TALENT DEVELOPMENT
- SYNTHESIS AND FABRICATION
- ECONOMIC EVALUATION



UC San Diego is collaborating with the Baja California Center for Nanoscience and Nanotechnology (CNyN-UNAM) to develop 21st century technologists with the talent and cultural fluency needed to forge global collaborations that leverage the CaliBaja border region's industrial strengths.



## Membership Opportunities

- Access multidisciplinary materials and systems innovations through our semi-annual member meetings, workshops, short courses, visiting scholar opportunities and one-on-one collaborations.
- Access the most promising and innovative globally aware students. Connect with emerging technical talent.
- Cross-border collaborations to develop new materials and systems for extreme environments.
- Join our Advisory Board and access fast-track collaborative agreements.

## Expertise

### Materials and devices for extreme environments

We develop and manufacture new materials and devices principally for the aerospace, nuclear and biomedical industries, including advanced materials for jet engines, next-generation nuclear reactors and biomedical devices.

### Global scientists and engineers

We produce global scientists and engineers who can connect and communicate across borders. These professionals not only develop new technologies, but are also socially engaged and have the 120m2. (d) a)-6