Mission
The Northwestern University’s Atomic and Nanoscale Characterization Experimental Center (NUANCE) was established in 2001. Per founding director Professor Vinayak Dravid’s vision, NUANCE integrates complementary analytical instruments and characterization capabilities for fabrication & characterization of soft, hard & hybrid materials, structures and devices.

By the Numbers

**Team**
- 25+ Total Technical & Administrative Staff

**Instruments**
- 150+ Instruments

**Users**
- 1,000+ Annual Users

**Space**
- 24,000+ sq. ft. Research Space

**Publications**
- Over 400+ publications in research, education, infrastructure and facilities

Diversity by Department

- Biomedical
- Chemistry
- Education
- Electronics
- Geosciences
- Life Sciences
- Materials
- MEMS/Mechanical Engineering
- Physics

Outreach & Education

**Participants Yrs 1-8**

Activities
- Academic Outreach
- Workshops-Lectures
- Corporate Outreach
- K-12 & Community Outreach

Facilities

<table>
<thead>
<tr>
<th>EPIC</th>
<th>BioCryo</th>
<th>Keck-II</th>
<th>SPID</th>
<th>NUFAB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electron Probe Instrumentation Center • TEM, SEM, FIB • EDS, EELS, EBSD • Sample Prep</td>
<td>BioCryo Facility • Bio, soft &amp; hybrid • TEM, SEM, STEM • EDS, EELS</td>
<td>Keck Inter-Disciplinary Surface Science • ToF-SIMS • FTIR • XPS</td>
<td>Scanned Probe Imaging &amp; Development • AFM, SPM • Nanolndentation • Raman microscopy</td>
<td>Micro/Nano Fabrication Facility • Deposition • Lithography • Etching</td>
</tr>
</tbody>
</table>

www.nuance.northwestern.edu

Phone: (847) 467-2318

Northwestern
Exploring Inner Space