

Integrated NanoMaterials Core Facility *California NanoSystems Institute at UCLA*

Senior Research Scientist - Laboratory Manager

This professional position is funded through the California NanoSystems Institute (CNSI). The laboratory management requires a dynamic, self-directed researcher responsible for technical aspects of the molecular beam epitaxy (MBE) user facility, including design of new experiments, oversight of research projects, system operation and management. The lab manager will be responsible for training and monitoring new users, coordinating with and supporting current users, and developing new opportunities for research collaborations. Other responsibilities include maintaining an outstanding independent research record, intellectual property, conference presentations, publications and external grants. Strong skills are required in MBE machine maintenance, III-V semiconductor epitaxy growth, and materials characterization. Additional skills in device design and micro/nanofabrication are beneficial.

Desired skills:

- Expertise in VEECO MBE maintenance, III-V semiconductor epitaxy by MBE and characterization.
- Creative approach to developing new research and seeking funding opportunities.
- Interest in project leadership, grant-writing and cross-disciplinary collaboration.
- Effective written and oral communication is absolutely necessary.

Position available from July 2014.

Research Center:

The Integrated NanoMaterials Laboratory (INML) is established as one of the core user facilities at CNSI to enable nanoscale integration of dissimilar materials using epitaxial processes. Our mission is to offer our users world-class, highly flexible epitaxial services in a state-of-the-art facility built around two connected MBE tools with III-N, Sb, As and Si crystal growth capability. The INML supports users from industrial, military and academic organizations, and research projects as diverse as CMOS integration, mid-wave infrared device development, renewable energy platforms, and more.

INML Website: <http://inml.cnsi.ucla.edu/pages/>

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