



**Research Engineer position in the Micro and Nanotechnology Laboratory
at the University of Illinois at Urbana-Champaign**

The Micro and Nanotechnology Laboratory at the University of Illinois at Urbana-Champaign seeks applicants for a Research Engineer to promote research related activities by managing equipment involving semiconductor device fabrication, processes, and some applications in nano-biotechnology. Specific duties and responsibilities include:

- Operate, maintain and repair deposition equipment for use in various research performed in the MNLT, which include: plasma enhanced chemical vapor deposition (PECVD) and low pressure chemical vapor deposition (LPCVD).
- Operate, maintain and repair plasma etching equipment for use in various research performed in the MNLT, which include: reactive ion etching (RIE), chemically assisted ion beam etching (CAIBE), and inductively coupled plasma reactive ion etching (ICPRIE).
- Operate, maintain and repair Optical lithography equipment for use in various research performed in the MNLT, which include: spinners, mask aligners, and flood exposure systems.
- Act as a resource person to provide knowledgeable guidance on the daily use of the above equipment.
- Train students in the use of the above equipment, including formulation and distribution of suitable written instruction sets, and preparation/delivery of oral presentations to small groups on the topic of process development, statistical process control, and safe laboratory practices.

Minimum Qualifications:

- Bachelor's degree in Engineering or a related field.
- 10 years experience working with semiconductor device fabrication and processes, including Industry experience in pilot manufacturing, manufacturing, and/or research & development environments.
- Comprehensive understanding of electrical and mechanical schematics and skilled at diagnosing and repairing electromechanical systems and instrumentation.
- Excellent verbal and written communication skills.

Preferred Qualifications:

- Master's degree in Engineering or a related field.
- Familiarity with and experience working in a cleanroom environment
- Ability to troubleshoot optical, mechanical, and electrical systems.
- Proficiency with computers and commonly used computer programs.

The Research Engineer position is a full-time, benefits-eligible academic professional position appointed on a 12-month service basis. The expected start date is as soon as possible after the closing date. Applicants may be interviewed before the closing date; however, no hiring decision will be made until after that date. Salary is commensurate with experience and qualifications.

To apply for this position, please create your candidate profile at <http://jobs.illinois.edu> and upload your cover letter, resume, and names/contact information for three references by May 29, 2015. Full consideration will be given to complete applications received by the closing date. For further information regarding application procedures, contact Leslie Lewin Reinhart, lewin@illinois.edu, 217-300-3872.

Illinois is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, religion, color, national origin, sex, sexual orientation, gender identity, age, status as a protected veteran, or status as a qualified individual with a disability. Illinois welcomes individuals with diverse backgrounds, experiences, and ideas who embrace and value diversity and inclusivity. (www.inclusiveillinois.illinois.edu).