



Professor of the Practice in Cleanroom Facility

The Institute of Materials Science & Engineering (IMSE) at Washington University in St. Louis invites applications for a Professor of the Practice to support the micro- and nanofabrication cleanroom user facility.

Major responsibilities

- Teaching two 3-unit courses open to both graduate and undergraduate students during the academic year, on topics related to micro- and nano-device fabrication and characterization.
- Teaching a workshop or short course during the summer.
- Managing the cleanroom facility, which includes training users, supervising technical staff, overseeing routine maintenance and upkeep of a diverse set of instrumentation, coordinating equipment installation, and maintaining high standards of safety.

Additional activities include coordinating with faculty and research administrators on the use of existing equipment and acquisition of new instruments; providing up-to-date information on the facility website with detailed status of equipment, capabilities, recipes, and performance metrics; expanding the user base through outreach to local universities and companies; and organizing the annual IMSE Open House with other IMSE staff. Interaction with students, faculty, university leadership, and the external academic and industrial user base will be an important element of this position, and strong speaking and written communication skills are essential.

Washington University is particularly interested in considering applications from members of groups underrepresented in science and engineering, including women, minorities, protected veterans, and persons with disabilities.

The IMSE cleanroom is a central resource for micro- and nano-fabrication research in the greater St. Louis metropolitan area. It houses state-of-the-art equipment for thin-film deposition and growth, optical and electron beam patterning, plasma etching, and metrology tools. The facility attracts users from across the university including the McKelvey School of Engineering, the School of Arts & Sciences, and the School of Medicine, as well as local and regional universities and corporations. The cleanroom has both a research mission serving 50 faculty labs across the university, and an education mission to train the next generation of scientists and engineers in practical fabrication techniques for use in academic and industrial research settings.

Position requirements

- PhD in Physics, Chemistry, Materials Science and/or Engineering, or a relevant Engineering degree.
- A minimum of 7 years experience working in an industrial or research/academic cleanroom.
- Academic, personnel, and/or facilities management experience will be particularly valued.

Applicants should submit a cover letter, CV/resume, one page description of prior cleanroom work experience, one page description of prior teaching experience (if applicable), and the contact information for three references to <http://apply.interfolio.com/96067>

Washington University is committed to the principles and practices of equal employment opportunity and affirmative action. It is the University's policy to recruit, hire, train, and promote persons in all job titles without regard to race, color, age, religion, gender, sexual orientation, gender identity or expression, national origin, veteran status, disability, or genetic information. Employment eligibility verification will be required upon employment.

Questions? IMSE_Director@WUSTL.edu