

JOB OPENING

University of Pittsburgh

Petersen Institute of Nanoscience and Engineering
Nanofabrication and Characterization Facility

Technical Director

The Petersen Institute of Nanoscience and Engineering (PINSE) at the University of Pittsburgh seeks a Technical Director to lead its nanofabrication and characterization user facility (NFCF). The Technical Director will be responsible for ensuring that the NFCF meets its mission of providing scientific/technical expertise and a first class laboratory facility (including clean room) in support of users' research programs in nanoscience and engineering. This permanent, full-time research position is non-tenure stream (academic rank is dependent on qualifications and experience) based in the University of Pittsburgh's Swanson School of Engineering.

Candidates should send a cover letter stating interest, along with a resume/CV to the PINSE Executive Committee at pinseseach@pitt.edu.

Primary Duties

The Technical Director will be responsible for the management, smooth operation and development of the nanofabrication and characterization facility (NFCF). This includes the hiring, training and supervision of facility personnel; determining responsibilities of assigned staff positions to accomplish service and growth objectives; budget allocation of resources; billing for services rendered; establishing policies for effective operation of the facility; and assisting in securing funds for the expansion of PINSE/NFCF capabilities. The Technical Director is also expected to provide user support in one of the four core areas of NFCF services (nanolithography, film technology, electron microscopy, or spectroscopy).

The Technical Director will report directly to the Academic Director of PINSE and will be expected to manage the NFCF's scientific and support staff with the goals of (1) enhancing the strengths and visibility of existing multidisciplinary staff and user research programs; (2) identifying new directions that are strategically aligned with PINSE/NFCF mission; (3) enabling a world-class user program with an engaged, satisfied, and diverse user community; (4) promoting interactions with other programmatic Centers and user facilities; (5) interfacing effectively with the University of Pittsburgh educational programs in nanoscience and technology; and (6) ensuring high standards in environmental, safety, health, and quality assurance for all of the PINSE/NFCF's activities.

Requirements & Minimum Qualifications

Ph.D. degree in science or engineering and extensive experience and expertise in materials characterization and/or micro-nano fabrication. Demonstrated experience in management. Clean room experience in performing research would be an asset.