

Positions Available

**DIRECTOR
SOLID STATE DIVISION
Oak Ridge National Laboratory**

The Oak Ridge National Laboratory (ORNL) invites nominations and applications for the position of Director of the Solid State Division. This division is engaged primarily in fundamental research sponsored by the Division of Materials Sciences of the Office of Basic Energy Sciences, Office of Energy Research, U.S. Department of Energy, but small amounts of both fundamental and applied research are undertaken for other organizations. The present program of the division involves excellent research in a wide variety of areas, which include neutron scattering, x-ray and synchrotron radiation scattering, ion beam implantation and scattering, electron microscopy, surface physics and chemistry, ceramics, semiconductor physics, synthesis and characterization of novel materials, and solid state theory. The Solid State Division also has several user or collaborative research centers that interface on a regular basis with outside collaborators from university, industry, and government laboratories. The Division Director is responsible for initiation and coordination of the research and for the development of important interdisciplinary research programs with other divisions of ORNL. Candidates should be U.S. citizens, should have strong records of fundamental research in the solid state sciences, and should have demonstrated management and leadership abilities. A Solid State Division Search Committee has been appointed and will begin its review of applicants on December 1, 1989, but applications will be accepted until the position is filled. Applicants should send a complete resume with names and contact information on three references to Dr. Michael K. Wilkinson, Chairman, Solid State Division Search Committee, Oak Ridge National Laboratory, P.O. Box 2008, Oak Ridge, TN 37831-6024.

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**FACULTY POSITION
Materials Department
University of California,
Santa Barbara**

The Materials Department at the University of California, Santa Barbara, invites applications for a tenure-track faculty position in the area of materials characterization with emphasis on transmission electron microscopy and microanalysis techniques, effective July 1, 1990.

The Materials Department has a multidisciplinary focus on such areas as: electronics materials, macromolecules, structural composites and materials processing. The applicant should have the desire to pursue multidisciplinary research with the other groups in the department. A proven record of expertise in high resolution Transmission Electron Microscopy and TEM-based microanalysis is expected. Applicants with expertise in the fields of diffraction physics and electron-matter interactions are encouraged to apply.

The UCSB electron microscopy facility is equipped with four transmission electron microscopes and two scanning electron microscopes. The analytical laboratory is a shared facility with a full-time staff engineer for maintenance, development and student instruction.

Responsibilities include teaching and developing strong research programs. A PhD or equivalent degree and evidence of excellent research and teaching expertise are required. Joint appointments with other departments at UCSB are possible. Salary and rank dependent on qualifications.

To ensure full consideration, applications should be received by the department before **November 15, 1989**. Candidates should send a resume containing teaching and research accomplishments to:

Prof. Pierre Petroff
Materials Department
University of California
Santa Barbara, CA 93106

The University of California is an Equal Opportunity/Affirmative Action Employer. Proof of U.S. citizenship or eligibility for U.S. Employment will be required prior to employment. (Immigration Reform and Control Act of 1986).

Editorial Contact

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Positions Wanted

**CRYSTAL GROWER AND
THIN FILMS PREPARATIONIST**

Considerable experience in the growth of inorganic crystals. Single crystals were grown to study their optical, magnetic, and superconducting properties. Thin films were prepared for superconducting studies and ion implantation. Thin film devices have been fabricated by photolithography. Considerable experience in cryogenic techniques. L.H. Peirce, 914 Abbiegail Dr., Tallahassee, Florida 32303.

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