

**Positions Available**

**MATERIALS SCIENTIST**

**Duties:** Research properties of silicon for use in silicon substrates. Study crystal growth, surface and intrinsic properties, and wafer processing, including epitaxial deposition and wafer cleaning, to define optimal techniques of fabricating epitaxial and polished wafers. Liaison with outside research groups. Apply research to design and production of silicon substrates to meet customer requirements. Prepare reports and scientific papers about research.

**Requirements:** PhD degree in materials science or applied physics. Three years' work experience validated by successful completion of at least three research projects in the field of silicon wafer fabrication and deposition of materials, reports of which were published in peer-reviewed scientific journals, or by equivalent recognition. Ability to perform all job duties.

Salary: \$46,093/year  
 Full time position: 40 hours/week  
 Location: Salem, Oregon

**DIRECT RESUMES AND REFERENCES TO:**

Job Order No. 5550776  
 Oregon State Employment Division, Department of Human Resources  
 875 Union Street, N.E., Room 201, Salem, OR 97311

**Services Available**

**TRANSLATION** of journal articles, patents, reports, manuals, etc. from German and French into English by experienced materials specialist. Outstanding quality, fast turnaround, competitive rates. For more information call Nicholas Hartmann (708) 524-1191 or fax (708) 524-1355.

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**Positions Wanted**

The following advertisements are from MRS members seeking employment in materials research and development.

**PROSPECTIVE EMPLOYERS**—To correspond confidentially with the applicant,

**REPLY TO THE APPROPRIATE BOX NUMBER, AS FOLLOWS:**

Box \_\_\_\_\_, No. \_\_\_\_\_,

c/o MRS Bulletin, Materials Research Society, 9800 McKnight Road, Pittsburgh, PA 15237-6006

**PhD seeks industrial/research position** in materials science/metallurgical engineering. Two years of teaching/research experience. Also experienced in oxidation of metals, ion implantation and ion beam processing, thin film deposition, UHV techniques, microstructural analysis (TEM, SEM, AES, XRD, RBS). Ten plus journal publications. Eight plus proceedings papers and presentations. **Employers—Please reply to Box XIX, 1001.**

**Nanotribologist** seeks visiting scholar position. Currently associate professor, leader of nanotribology research group, and PhD student in Laboratory of Solid Lubrication, Chinese Academy of Sciences. Fields of interest are ultrathin film lubrication, nanotribology, or others on tribology. **Employers—Please reply to Box XIX, 1004.**

**PhD (1982) in solid-state physics** seeks research position. Author and owner of package for *ab initio* study of the electron structure, chemical binding, electron and lattice properties of complex solids on the bases of the density functional theory and multiple scattering theory. Extensive experience in the package applying to intermetallics and high  $T_c$  superconductors. **Employers—Please reply to Box XIX, 1003.**

**Materials Scientist (PhD expected-1994)** seeks industrial or national lab/academic position. Eight years industrial/national lab experience in optical characterization of materials including nanocrystalline silicon, fullerene thin films, nonlinear optical materials, and thin magnetic films. Extensive experience (including development) with high power and ultrafast laser systems for materials characterization including femtosecond, continuum spectroscopy. U.S. citizen; DOE Q-clearance. **Employers—Please reply to Box XIX, 1002.**

**Job Placement Center at the 1994 MRS Fall Meeting  
 Tuesday, November 29 - Thursday, December 1, 1994**

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