

**Positions Available**

**ASSOCIATE DIRECTOR**

The Environmental Molecular Sciences Laboratory (EMSL) at Battelle, Pacific Northwest Laboratories is a multi-disciplinary user facility for studying the structure and reactions of materials and processes relevant to a broad range of problems in environmental restoration, preservation and waste management. The EMSL will house state-of-the-art facilities for NMR, mass, and laser spectroscopies, computational chemistry, surface science and catalysis, environmental geochemistry, and chemical processing.

The Associate Director will lead a team of scientists, engineers and collaborators in defining and executing research programs forming the essential scientific basis of innovative technologies for environmental remediation and waste management. This will require extending an understanding on the molecular level to bridge the gap between scientific observations and engineering solutions. Additional responsibilities will include identifying potential users of the technologies developed within the EMSL and generating programmatic support for this research from within the DOE, its contractors, and other government and industrial sources. This team will work with other EMSL groups in laboratory space housing, chemical processing and analytical equipment that will eventually support a staff of about 20.

A Ph.D. in Chemical Engineering, Chemistry or Material Science with outstanding credentials and at least 5 years' managerial experience are required. The ideal candidate will be able to assume responsibilities by October 1, 1995.

Interested candidates should submit a resume referencing #10-2059-017-PLB to: Battelle, PNL, P.O. Box 999, MSN: K6-21, Richland, WA 99352. Or, e-mail to: pnl\_employ@pnl.gov, WP5.1 or ASCII. Or, fax to (509) 373-6841. PNL is operated for the U.S. DOE by Battelle Memorial Institute and is an Affirmative Action/Equal Opportunity Employer and supports diversity in the workplace. M/F/D/V are encouraged to apply.



Pacific Northwest Laboratories

**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 (1990).** More than eight years experience in the area of UHV techniques, thin film deposition and characterization (structural, optical, and electrical properties). Strong expertise in thin film plasma processing and *in situ* diagnostics. Research work includes electron cyclotron plasma chemical vapor deposition of dielectric, semiconductor, and refractory metal thin films.  
**Employers—Please reply to Box XX, 101.**

**Surface/Materials Chemist, PhD (1994)** seeking industrial/academic position. Industrial experience in polymer lubricant additives. Skilled in the synthesis, characterization, and processing of nanosized semiconductor particles, self-assembly membranes, polymers, ceramics. Hands-on with TEM, SEM, AFM, NSOM, XRD, fluorescence, lasers, etc. Proficient with computers.  
**Employers—Please reply to Box XX, 103.**

**Materials Scientist (Prof., DSc, PhD)** from FSU seeks research or faculty position. Extensive experience in MOS and MNOS systems, amorphous and porous silicon, porous silica glasses. Expertise in various electrical and optical characterization techniques, measuring equipment design. Proven track record. Twelve years experience in teaching and supervision of graduate student research.  
**Employers—Please reply to Box XX, 105.**

**PhD (expected March 1995)** seeks industrial or research position. Four years research experience in materials science and electrical engineering. Strong background in materials processing and characterization. Experienced in thin film processing, microstructural analysis, cryogenics, and UHV technology. Team worker with excellent analytical and problem-solving skills.  
**Employers—Please reply to Box XX, 104.**

**Surface Chemistry/Advanced Material, PhD (2/95).** Seeking postdoctoral and R&D position. Research experience in chemical vapor deposition of c-Si, W, PZT, BST; surface kinetics in CVD process by *in situ* FTIR and spectral interpretation; simulation of film-growth contour and thermodynamic equilibrium. Hands-on GC, MS, TDS, FTIR, Raman, XPS.  
**Employers—Please reply to Box XX, 102.**

**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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