

Positions Available

POSTDOCTORAL POSITION

Position for an Assistant Specialist involving research on interfaces in ceramic materials. Experience in one or more of the following is required: electrical and optical characterization of ferroelectric thin films, x-ray diffraction, analytical and high-resolution transmission electron microscopy of ceramic materials. Applicants must possess a PhD in materials science engineering. Send curriculum vitae and names and telephone numbers of three references to: Prof. Mecartney, Materials Program, Department of Mechanical and Aerospace Engineering, University of California, Irvine, Irvine, CA 92717.

The University of California is an Equal Opportunity/Affirmative Action Employer. The School of Engineering welcomes applications from women and minority candidates.

RESEARCH SCIENTIST

Performs research on the microstructure of the high temperature superconductor materials by transmission electron microscopy. Results of the research are used for the investigation of superconducting properties critical for applications and for defining the microstructure-to-properties relationship. Records, calculates and analyzes the effects of various laboratory tests on myriad of materials, and reports findings in publications. Requires 5 years' experience in job offered or 5 years' research experience in Transmission Electron Microscopy. \$30,000/year. 40 hrs/wk. Apply at Texas Employment Commission, Houston, Texas, or send resume to the Texas Commission, TEC Building, Austin, Texas 78778. J.O. 6687433.

Ad Paid By An Equal Opportunity Employer.

POSTDOCTORAL FELLOW

**Department of Physics
University of Houston**

We are seeking an experimental post-doctoral fellow with expertise in one or more of the following areas: semiconductor and/or superconductor transport, low dimensional structures, artificially fabricated structures using molecular beam epitaxy.

The position will involve the investigation of metal/semiconductor structures, with particular emphasis on the growth and electrical transport properties of these materials.

Materials development will be carried out under the direction of T.D. Golding at the Space Vacuum Epitaxy Center and electrical transport measurements under the direction of J.H. Miller Jr. at the Texas Center for Superconductivity. Send a resume, publication list, copies of two significant publications, and names of three references to: Prof. Terry D. Golding, Department of Physics, University of Houston, Houston, Texas 77204-5506. The position is initially for 12 months, and may be renewed, subject to review. Starting date is negotiable.

The University of Houston is an equal opportunity/affirmative action employer.

**Ad Closing for the September MRS Bulletin is
August 3, 1992.**

**To place your ad, call Mary E. Kaufold at
(412) 367-3036 today!**

Announcement

ATTENTION

On March 16, 1992, five laser tubes were stolen in St. Petersburg, Florida. The laser tubes, owned by Alias Research Inc., are unique because they use a mixture of strontium or calcium vapors with helium. The lasers reach the blue, violet, and ultraviolet spectrums. The lasers were built in Russia and are approximately 3 feet long and 3 inches in diameter. The chart below describes the characteristics of the lasers.

Model	LSR-901	LCA-901
Laser medium	Strontium	Calcium
Wavelength (nm)	430.5/416.2	373.7
Max. average power (W)	1.5/0.7	1.0
Pulse width (ns)	200	200
Pulse frequency (kHz)	4-5	4-5
Beam diameter (mm)	14	14
Time (h)	300	300
Warmup time (min)	10	15
Power consumption (kW)	~2	~2
Beam divergence (mrad)	0.5	0.5

If you are contacted by anyone describing a laser with these characteristics, please call: St. Petersburg Police Department, Detective Steve Cureton, phone (813) 893-7165.

**ASSISTANT SCIENTIST/SCANNING
AUGER MICROSCOPIST**

Ames Laboratory

The Metallurgy and Ceramics Program of the Ames Laboratory is seeking an Assistant Scientist. This entry level position involves maintenance and operation of a PHI Scanning Auger Microscope for a wide variety of materials science applications. Qualifications include a BS or MS in physics or related fields with experience in maintenance of computer controlled electronics and ultrahigh vacuum systems. Experience in Auger or electron energy loss spectroscopy is preferred. The salary range is \$25,600-\$41,600 per year. The deadline for applications is **August 1, 1992**, or until filled. Please submit a resume plus the names and addresses of three references to: Ames Laboratory Personnel Office, 127 Spedding Hall, Iowa State University, Ames, IA 50011. Attn: Matthew J. Kramer.

An equal opportunity/affirmative action employer, M/F/V/H.