

Positions Available

**MATERIALS SCIENCE
AND ENGINEERING
Washington State University**

Academic year, tenure-track faculty position available for August 1990 at the assistant professor level. PhD in materials science or a closely related academic area is required. Special consideration will be given to candidates with background and experience in one or more of the areas of: electronic materials, ceramic materials, kinetics, processing and physical properties of materials. Duties include developing and conducting externally funded research, teaching graduate and undergraduate courses, and supervising and advising graduate and undergraduate students. The department offers BS, MS and PhD degrees. Letters of application, resumes, and names of four references should be sent to: Chair, Search Committee (MSE), Department of Mechanical and Materials Engineering, Washington State University, Pullman, WA 99164-2920. The closing date is **December 15, 1989** or until the position is filled.

WSU is an EO/AA educator and employer. Protected group members are encouraged to apply.

**RESEARCH ASSOCIATE
Texas Employment Commission**

Research Associate: Conduct research and development in thin film epitaxial growth and materials purification in space. Perform, analyze, and optimize growth of selectively doped heterostructures in conjunction with molecular beam epitaxy/chemical beam epitaxy (MBE/CBE) technology. Integrate thin-film evaporation research with photoluminescence and Deep Level Transient Spectroscopy (DLTS) to characterize defect properties. Use semiconductor physics electronics to investigate concepts in semiconductor physics and thin-film technology. Requires Master of Engineering in Electrical Engineering, plus 3 credit hours courseworks/seminar each in MBE/CBE, DLTS, and semiconductor physics electronics. \$28,000/yr. 40 hrs/wk. Job located in Houston, Texas. Apply at Texas Employment Commission, Houston, Texas, or send resume to:

Texas Employment Commission
TEC Building
Austin, TX 78778
J.O. #5757163.

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Opportunity Employer.*

**UNIVERSITY OF FLORIDA
Department of Materials
Science and Engineering**

Four Tenure-Track Faculty Positions are available for qualified individuals with expertise in one or more of the following areas of materials science and engineering:

- A. Theory and practice in the application of electron-optical instruments for materials characterization (TEM, etc.);
- B. Preparation, fabrication and characterization of composite materials;
- C. Processing of bulk crystals and thin films of semiconductors; ceramic, polymer and/or metallic thin films for electronics; electrically and optically active point defects in semiconductors; optical and nonlinear optical materials; reliability and packaging.

A doctoral degree in materials science and engineering or a related discipline is required for consideration. Candidates will be expected to develop graduate and undergraduate courses, as well as initiate and sustain sponsored research, in their area of expertise. Positions may be offered at the level of assistant, associate or full professor, depending on the qualifications of the individual candidates.

The Department of Materials Science and Engineering at the University of Florida currently has 23 faculty, 160 undergraduate and 110 graduate students, with substantial and sustained research funding and academic programs in ceramics, composites, electronic materials, metals, and polymers.

The deadlines for submission of these applications are **December 1, 1989, January 1, 1990, February 1, 1990, and March 31, 1990.**

Please send a cover letter *specifying interest area* (A, B, or C) together with curriculum vitae and three letters of recommendation to:

Dr. Rolf E. Hummel
Chairman of the Search Committee
Department of Materials
Science and Engineering
University of Florida
Gainesville, FL 32611-2066

*The University of Florida is an Equal Opportunity/
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Center for Advanced Materials Processing

Clarkson
University

**THE CENTER FOR
ADVANCED MATERIALS
PROCESSING (CAMP) AT
CLARKSON UNIVERSITY**

is seeking a director. One of New York State's prestigious Centers for Advanced Technology, CAMP is an interdisciplinary organization that receives funding from the state, private industry, gov-

ernment contracts and grants, and Clarkson University. Candidates should possess a Ph.D. and have significant publications and/or patents. It is expected that the director will hold a senior faculty position in an appropriate science or engineering department. Experience in fine-particle technology is desirable. Academics should have performed research for industry and have a consistent record of external funding for their research. Send resume and names of three or more professional references to Dr. Richard H. Gallagher, President, Clarkson University, Potsdam, New York 13676 (315-268-6444; fax 315-268-3872).

Clarkson is an Affirmative Action, Equal Opportunity Employer.



Positions Available

CHAIRPERSON
Materials Science and
Engineering Department
Iowa State University

The Materials Science and Engineering Department (MSE) at Iowa State University invites applications and nominations for the position of chairperson. Candidates should be qualified in one or more of the fields of materials science and engineering and have demonstrated abilities in teaching, research and administration.

Iowa State University has rapidly growing research programs with a heavy emphasis on materials research. Significant support of MSE faculty members already exists in five campus centers, the Ames Laboratory of the Department of Energy, the Center for Advanced Technology and Development, the Center of Nondestructive Evaluation, the Microelectronic Research Center, and the Engineering Research Institute. The new chairperson will have the opportunity to build on this strong foundation in leading the department's response to new direction in materials science and engineering.

The MSE department has 17 full-time faculty members and 4 adjunct faculty members from the various research centers. The BS, MS and PhD degrees are offered in ceramic engineering, the BS degree in metallurgical engineering, and the MS and PhD in metallurgy. The senior undergraduate class generally runs from 20 to 30 students and the number of graduate students is currently 37. The chairperson will be expected to continue the department's strong emphasis on undergraduate teaching and expand its efforts in research. Enhancement of ties with industry and government agencies is a high priority.

Applications with resume that include the names, addresses and telephone numbers of three references should be submitted by **February 1** to:

Dr. John D. Verhoeven, Chairman
 MSE Search Committee
 104 Wilhelm Hall
 Iowa State University
 Ames, IA 50011.

The appointment is expected to be made effective July 1990.

*Iowa State University is an Equal Opportunity,
 Affirmative Action Employer.*

MECHANICAL
ENGINEER

An experienced engineering professional is sought to create, develop and test complex research equipment for Argonne National Laboratory's research program on the properties of condensed matter through neutron scattering techniques. This will include engineering and constructing neutron scattering instruments and ancillary equipment such as cryogenic, high-pressure and vacuum systems; neutron choppers; and high-temperature furnaces. Occasional field work and overtime will be involved.

An M.S.M.E. or B.S.M.E. or equivalent experience is required in addition to a thorough knowledge of material properties, heat transfer, vacuum technology, electricity, magnetism, fabrication techniques and seals — and their research applications. The ability to create and initiate designs from inception, through construction, to final testing is particularly important. Experience in designing neutron scattering instruments/components at a reactor and/or pulsed neutron source is desired.

Conveniently located 25 miles southwest of downtown Chicago, the Laboratory offers an excellent salary and benefits package. For consideration, please send a detailed resume to: **Walter D. McFall, Box J-PNS-36469-2W, Employment and Placement, ARGONNE NATIONAL LABORATORY, 9700 S. Cass Avenue, Argonne, IL 60439.** Argonne is an equal opportunity/affirmative action employer.



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Positions Available

**FACULTY OPENINGS
Materials Engineering
Purdue University**

The School of Material Engineering has tenure-track faculty openings. Ranks of the positions are open and will be consistent with candidates' background and experience. Candidates must have a PhD in some area of material science and engineering. Successful candidates will be expected to conduct effective teaching at undergraduate and graduate levels. A strong interest in both teaching and research is vital. Several opportunities exist to interact and collaborate with various materials programs on campus and to utilize central facilities. Areas of expertise are open with possible special consideration given to aspects of ceramics, electronic materials, polymers, and materials processing.

All applications received by **February 1990** are assured full consideration but the search will continue until the positions are filled. Starting dates will be after July 1990.

Resume and the names and addresses of three references should be sent to:

Prof. G.L. Liedl, Head
School of Materials Engineering
MSEE Building
Purdue University
West Lafayette, IN 47907

**FACULTY POSITION
Physical, Analytical, or
Inorganic Chemistry**

The Department of Chemistry of the University of Alabama in Huntsville seeks to fill a tenure-track faculty position at the level of assistant professor or higher. The candidate should be a physical, analytical, or inorganic chemist interested in the study of surfaces using any of the following equipment which are operational in the department: Perkin Elmer 5400 XPS, Kratos XSAM 800 Auger spectrometer, scanning Raman spectrometer, RF plasma generator, and a Bruker AC200 NMR. Research collaboration is possible with the U.S. Army's Redstone Arsenal and NASA's Marshall Space Flight Center. A PhD is required and postdoctoral experience is preferred. The successful candidate will begin in September 1990. The Chemistry Department offers curricula leading to the BS and MS degrees in chemistry and the PhD in materials science. Applicants should submit a curriculum vitae, statement of research plans, and the names of three references to Prof. James K. Baird, Chairman, Department of Chemistry, University of Alabama in Huntsville, Huntsville, AL 35899. Deadline for receipt of applications is **January 3, 1990**.

The University of Alabama in Huntsville is an Affirmative Action/Equal Opportunity Employer and especially encourages applications from minorities and women.

**Full-time Research Assistants
Part-time Graduate and
Undergraduate Students**

Kobe Steel Research Laboratories, USA, Electronic Materials Center is now collecting resumes from highly motivated research assistants, graduate students, and undergraduate students for future staffing needs of the recently completed research laboratory located in Research Triangle Park, NC. Education and experience in the areas of materials science, physics and/or electrical engineering are desirable. Unique opportunities exist for graduate students to conduct dissertation research, supported by this facility, while obtaining advanced degrees at North Carolina State University, University of North Carolina at Chapel Hill or Duke. The Electronic Materials Center is a newly established division of Kobe Steel, Ltd. of Japan. Its charter is the research and development of electronic materials and devices with initial emphasis on diamond thin films. Resumes should be sent to Dale Thompson, Lab Operations Manager, Kobe Research Labs, P.O. Box 13608, 79 Alexander Drive, 4401 Building, Research Triangle Park, NC 27709.

Kobe Research Laboratories, USA—Electronics Materials Center is an Equal Employment Opportunity Employer.

X-RAY DIFFRACTION

Applicants are sought for a full-time tenure-track position at the assistant professor level. Strong background in x-ray diffraction and PhD in materials science or related discipline required. Synchrotron radiation experience desirable. Candidates should be interested in teaching and developing a strong research program. Proposed starting date negotiable. Application deadline is **March 1, 1990**.

Northwestern University is an affirmative action/equal opportunity employer. Hiring is contingent upon eligibility to work in the United States. Send resume, publications and three letters of recommendation to:

Prof. Y.W. Chung
Department of Materials
Science and Engineering
Northwestern University
Evanston, Illinois 60208

**FACULTY POSITION
Analytical Microscopist/
Materials Scientist**

Applicants are sought for a full-time tenure-track position at the assistant professor level. A strong background in analytical electron microscopy and a PhD in materials science or a related discipline is required. Candidates should be interested in teaching undergraduate and graduate courses and in developing a strong research program. Proposed starting date is negotiable.

Northwestern is an Affirmative Action/Equal Opportunity Employer. Hiring is contingent upon eligibility to work in the United States. Send resume, publications and the names of three references to:

Prof. L.D. Marks
Northwestern University
Department of Materials
Science and Engineering
Evanston, IL 60208

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