

Positions Available

**SURFACE/INTERFACE
EXPERIMENTALIST
Junior Faculty Position**

The Department of Physics at Montana State University invites applications for a tenure-track faculty position at the rank of assistant or associate professor in the area of surface or interface science, starting autumn of 1991. Opportunities exist to use excellent surface science instrumentation including MBE, HREELS, LEED and synchrotron photoemission facilities. PhD in one of the disciplines of surface/interface science and significant research experience in the experimental study of surfaces or interfaces required. Candidate must demonstrate interest and potential in introductory and graduate-level physics teaching. Send vita including publication list, descriptions of research and teaching interests, and the names, addresses and phone numbers of three references to: Faculty Search Committee, Department of Physics, MSU, Bozeman, MT 59717. Screening of applicants will begin February 1, 1991, and continue until position is filled. Address inquiries to J.C. Hermanston or Gerald J. Lapeyre at above address, phone (406) 994-3614. Preference to veterans.

AA/EO employer.

GRADUATE ASSISTANTSHIPS

Applications are now being accepted for graduate teaching and research assistantships in chemical engineering. Research areas include materials, waste management, electronic materials and thin films, ceramic powders and coatings, heterogeneous catalysis and surface science, structure and properties of interfaces in ceramics and semiconductors, safety and environmental aspects of process plant design, formation and processing of conventional and superconducting powders, laser-processing, application of expert system software to process economics, colloid processes, geotechnology, characterization of porous materials, transport phenomena, radioactive and mixed waste management, biomedical instrumentation, and alternative energy. Stipends of \$10,000-\$14,000 plus tuition waivers are provided to qualified individuals. Applicants must have a bachelor's or a master's degree in chemical engineering or nuclear engineering, materials science, chemistry or related fields. For additional information and application forms, contact: Prof. Eric Nuttall, Graduate Adviser, Department of Chemical and Nuclear Engineering, Farris Engineering Center Room 209, University of New Mexico, Albuquerque, NM 87131-1341; Telephone (505) 277-6112.

FACULTY POSITION

**Department of Chemical Engineering
Worcester Polytechnic Institute**

The Chemical Engineering Department at Worcester Polytechnic Institute has a full-time tenure track position open at the rank of Assistant Professor. Applicants must have an earned PhD in chemical engineering (or some closely related field), be prepared to teach graduate and undergraduate chemical engineering courses and to develop an active research program. The specific research area of interest to the department is advanced materials which in some way complements the current strengths in the department of zeolite synthesis, catalysis, composite materials, and membrane technology. Interested individuals should submit a resume listing professional experience, publications, summary of research and teaching interests and at least three references to:

Professor R.W. Thompson
Department of Chemical Engineering
Worcester Polytechnic Institute
Worcester, MA 01609

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**FACULTY POSITION
University of Michigan**

The Department of Materials Science and Engineering at the University of Michigan has an opening for a tenure-track faculty position at the level of assistant, associate or full professor. Applicants must have a PhD degree, be qualified to teach undergraduate and graduate courses in materials science and engineering, and should wish to develop independent and cooperative research programs. A demonstrated research potential or record is required. Preferred areas of expertise include materials theory and modeling, electronic and/or photonic materials, advanced characterization methods and materials synthesis and processing. Women and minority candidates are encouraged to apply.

Send resume and a list of references to:

Prof. Ronald Gibala, Chairman
Department of Materials Science
and Engineering
The University of Michigan
2300 Hayward Street
Ann Arbor, MI 48109-2136

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STAFF SCIENTIST

Solar Energy Research Institute in Golden, Colorado seeks Staff Scientist to perform fabrication, characterization, and diagnosis of high-efficiency ITO/InP solar cells for space applications. Employ film fabrication techniques such as magnetron sputtering and thermal evaporation, plus device processing, including photolithography and electro-plating, using instruments such as high vacuum thin film deposition system, ultraviolet mask aligner and thin film ellipsometer. Requires completion, or near completion, of PhD in applied physics or electrical engineering and one year experience in all phases of fabrication and characterization of high-efficiency InP-based solar cells. Experience may be gained through education or employment. \$40,000/year; 8:00-5:00, M-F. Respond by resume to: Colorado Department of Labor & Employment, Division of Employment & Training, 600 Grant St., Suite 900, Denver, CO 80203, Attn: Phil Minjarez, and refer to Job Order No. C03195310.

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