

19-23 Fall Conf. and Quality Testing Show, *Nashville, TN*. American Society for Nondestructive Testing, Inc., 1711 Arlington Lane, P.O. Box 28518, Columbus, OH 43228-0518; 800-222-2768 or 614-274-6003; fax 614-274-6899; <http://www.asnt.org>.

25-30 Intl. Rare Earths Conf., *Fremantle, Western Australia*. Secretariat, Materials Inst. of Western Australia, 133 Salvado Rd., Wembley, Western Australia 6014; 61-9-387-9590; fax 61-9-383-9639; e-mail RE98@miwa.org.au; <http://www.miwa.org.au/IREC98>.

26-29 5th Intl. Symposium on Functionally Graded Materials, *Dresden, Germany*. FGM 09 Secretariat, Conf. Svc., TU Dresden GmbH, Lufthansa City Ctr., Frau Deckert/Frau Wolf, Georg Baehr Strasse 8, 01069 Dresden, Germany; or K.J. Bowman, Purdue Univ., West Lafayette, IN 47907; 765-494-4096.

26-29 ▼ 20th Space Simulation Conf., *Annapolis, MD*. Inst. of Environmental Sciences, 940 E. Northwest Hwy., Mt. Prospect, IL 60056; 847-255-1561; fax 847-255-1699.

30-4 **MRS Fall Meeting**, *Boston, MA*. Materials Research Society, 506 Keystone Drive, Warrendale, PA 15086-7573; 412-779-3003; fax 412-779-8313; <http://www.mrs.org/>. **MRS**.

NOVEMBER 1998

1-6 Photonics East and Electronic Imaging Intl. Exhibition, *Boston, MA*. SPIE, P.O. Box 10, Bellingham, WA 98227-0010; 360-676-3290; fax 360-647-1445; e-mail spie@spie.org; <http://www.spie.org>.

DECEMBER 1998

8-11 2nd Asian Meeting on Ferroelectrics, Intl., *Singapore*. AMF-2 Secretariat, CCE, Nanyang Tech. Univ., Singapore 639798; 65-799-4723; fax 65-793-0997; e-mail amf2@ntu.edu.sg.

FEBRUARY 1999

6-12 Photonics West, *San Jose, CA*. SPIE, P.O. Box 10, Bellingham, WA 98227-0010; 360-676-3290; fax 360-647-1445; e-mail spie@spie.org; <http://www.spie.org>.

MARCH 1999

14-19 Microlithography Conf., *Santa Clara, CA*. SPIE, P.O. Box 10, Bellingham, WA 98227-0010; 360-676-3290; fax 360-647-1445; e-mail spie@spie.org; <http://www.spie.org>.

14-19 Smart Structures and Materials Conf., *San Diego, CA*. SPIE, P.O. Box 10, Bellingham, WA 98227-0010; 360-676-3290; fax 360-647-1445; e-mail spie@spie.org; <http://www.spie.org>.

APRIL 1999

5-9 **MRS Spring Meeting**, *San Francisco, CA*. Materials Research Society, 506 Keystone Drive, Warrendale, PA 15086-7573; 412-779-3003; fax 412-779-8313; <http://www.mrs.org/>. **MRS**.

JULY 1999

18-23 SPIE Annual Meeting and Optical Instrumentation Show, *Denver, CO*. SPIE, P.O. Box 10, Bellingham, WA 98227-0010; 360-676-3290; fax 360-647-1445; e-mail spie@spie.org; <http://www.spie.org>.

26-30 6th Intl. Conf. on the Structure of Surfaces, *Vancouver, Canada*. K.A.R. Mitchell, Dept. of Chemistry, Univ. of British Columbia, Vancouver, BC, Canada V6T 1Z1; 604-822-3266; fax 604-822-2847.

AUGUST 1999

23-27 10th Intl. Conf. on Rapidly Quenched and Metastable Materials, *Bangalore, India*. S. Ranganathan, Dept. of Metallurgy, Indian Inst. of Science, Bangalore 560012, India; 91-80-309-2678; fax 91-80-331-2991; e-mail rq10@metalrg.iisc.ernet.in; <http://www.metalrg.iisc.ernet.in/~rqten>.

OCTOBER 1999

4-8 8th European Conf. on Applications of Surface and Interface Analysis, *Sevilla, Spain*. ECASIA99, Dept. Física Aplicada, C-XII, Facultad de Ciencias, Univ. Autónoma de Madrid, Cantoblanco E 28049, Madrid, Spain; fax 34-1-397-3969; e-mail josem.sanz@uam.es; <http://www.uam.es/fa/ecasia99.html>.

NOVEMBER 1999

29-3 ▼ **MRS Fall Meeting**, *Boston, MA*. Materials Research Society, 506 Keystone Drive, Warrendale, PA 15086-7573; 412-779-3003; fax 412-779-8313; <http://www.mrs.org/>. **MRS**. □

CLASSIFIED

Positions Available

**HENRY KRUMB CHAIR
Earth and Environmental Engineering
Columbia University**

Columbia University is transforming its historic Henry Krumb School of Mines into a center for excellence in education and research in environmentally and economically sound technologies for identifying, extracting, processing, and using earth resources including minerals, energy, and water. We seek a highly qualified candidate who has attained the highest level of academic accomplishment and will be the first department chair of a world-leading program that prepares engineers for the challenges of the twenty-first century.

Candidates should have a record of leadership and the ability to develop intellectually rich and relevant research programs. Candidates should come from an engineering/applied science background and have experience in at least some of the following areas: technologies to address past and avoid future environmental disturbances; process and product design to minimize resource use and waste generation; engineering analysis of the relationships of materials and energy flows at different geographic scales; resource recovery from unconventional sources and waste materials; and analytic modeling of environmental impacts from industrial activities at different scales. The distinguished history and strong endowment of the department provide a unique opportunity to develop a new and innovative research and educational agenda. This program is affiliated with Columbia Earth Institute, a major university-wide undertaking that includes among its member units the Lamont-Doherty Earth Observatory.

Please send resume to Professor N.J. Themelis, Department of Earth and Environmental Engineering, Columbia University, Mail Code 4711, 500 West 120th Street, New York, NY 10027; e-mail: njt1@columbia.edu.

Applications should be submitted before **December 31, 1997**.

Columbia University is an equal opportunity/affirmative action employer.

**FACULTY POSITIONS
Department of Earth and
Environmental Engineering
Columbia University**

Columbia University is transforming its historic Henry Krumb School of Mines into a center for excellence in education and research in environmentally and economically sound technologies for identifying, extracting, processing, and using earth resources including minerals, energy, and water; recycling of used materials; and environmental remediation. This program is affiliated with Columbia Earth Institute, a major undertaking that includes Lamont-Doherty Earth Observatory and Biosphere 2.

The University is searching for several highly qualified engineers (doctorate required) with a demonstrated interest in environmental applications to develop strong research programs, and teach graduate and undergraduate students in one of the following areas: physical processing of primary and recycled materials (waste management, resource recovery); materials science and engineering (emphasis on design for the environment); geomechanics; and chemical/ biochemical remediation.

Please send resume to Professor N.J. Themelis, Department of Earth and Environmental Engineering, Columbia University, Mail Code 4711, 500 West 120th Street, New York, NY 10027; e-mail: njt1@columbia.edu.

Applications should be submitted before **December 31, 1977**.

Columbia University is an equal opportunity/affirmative action employer.

Positions Available

CHEMISTS/MATERIALS SCIENTISTS The University of Alabama in Huntsville (UAH)

The Department of Chemistry and Materials Science Graduate Program at UAH seek candidates for two tenure-earning positions. Teaching duties include either undergraduate organic or analytical chemistry plus advanced courses in the graduate program. The department offers BS and MS degrees in chemistry and the PhD degree in materials science. New programs in *chemistry-based materials science* are planned. Research interests should be in the general areas of materials science and biotechnology. We are particularly interested in polymer science, biomaterials, structural biology, biosensors, surface science, and optical materials. Applicants may take advantage of existing UAH facilities including state-of-the-art ESCA, SEM, STM, AFM, protein and thin-film XRD, FTIR, GC-MS and NMR. We share interests and facilities with NASA, Marshall Space Flight Center and many Huntsville high-tech industries, and collaborate closely with bio- and electro-optical materials groups at universities in Birmingham, Nashville, and Chattanooga, all less than two hours away. Starting date is open but no later than August 1998. Candidates must hold a PhD degree, be committed to undergraduate and graduate teaching, and motivated to maintain a vigorous, externally-funded research program.

Applicants should submit a curriculum vitae, a statement of research and teaching interests, and the names of three references to: Professor Clyde Riley, Chair, Department of Chemistry, University of Alabama in Huntsville, Huntsville, AL 35899. Review of applications will begin in **December 1997** but remain open until filled. Information about the chemistry department and materials science program can be found at <http://matsci.uah.edu/>.

The University of Alabama in Huntsville is an Equal Opportunity/Affirmative Action Employer. Applications from women and minority candidates are encouraged.

FACULTY POSITION

Department of Materials Science and Engineering University of Illinois at Urbana-Champaign

The Department of Materials Science and Engineering at the University of Illinois at Urbana-Champaign invites applications for a regular, full time tenure-track or tenured faculty position in the area of ceramics. To be considered for a tenured position, the applicant must have recognized national and international stature. Applicants for a junior position are preferred and should have strong qualifications for teaching materials science and engineering at the undergraduate and graduate levels. Candidates will be expected to develop an outstanding research effort of their own in their chosen area. Successful candidates must have a distinguished record of accomplishment in the area specified.

Applicants must hold an earned doctorate in an appropriate field. Salary and rank will be commensurate with qualifications. The proposed starting date for this position is August 21, 1998 or earlier. All interested applicants are asked to provide a professional curriculum vitae including teaching experience, a list of publications, and an outline of a few pages describing their proposed program of research. Candidates for tenure-track positions should also request that three (3) letters of reference be sent directly to the department. Candidates for tenured positions should include the names, addresses, and telephone numbers of at least three (3) references. To ensure full consideration, applications must be received prior to **January 31, 1998**. Interviews may take place during the application period, but a final decision will not be made until after the deadline for applications.

Applications should be addressed to:

Chair, Faculty Search Committee
Department of Materials Science and Engineering
1304 W. Green Street, Urbana, IL 61801
Telephone: (217) 333-1440
Fax: (217) 333-2736

The University of Illinois is an affirmative action, equal opportunity employer.

SENIOR JOINT POSITION Departments of Mathematics and Chemical, Bio, and Materials Engineering Arizona State University

We invite applications for an associate or full professor to be jointly appointed in the Mathematics and Chemical, Bio, and Materials Engineering Departments commencing Fall, 1998. All candidates must have a PhD degree in mathematics, materials science, or engineering or a closely related degree. Candidates must have an outstanding research record, an established record of research funding, and a proven commitment to excellence and innovation in teaching.

Candidates must have experience in mathematical modeling and simulation of semiconductor materials processing, computation, and contact with applications from industry. The candidate is expected to participate fully in cross-disciplinary programs, teaching, research, and professional service.

The main campus of Arizona State University has approximately 43,000 students and is located in the rapidly growing metropolitan Phoenix area, which provides a wide variety of recreational and cultural opportunities. The Phoenix area supports a high concentration of high technology industries. The Department of Mathematics has 58 full-time faculty and the Department of Chemical, Bio, and Materials Engineering has 26 full-time faculty. The SSERC has associated with it approximately 100 faculty from various engineering, science, and mathematics disciplines. It presently sponsors many active collaborations with semiconductor, aerospace, biotechnology, and chemical industries. In addition, the Center for Solid State Engineering Research and the Center for Solid State Science at ASU have programs and facilities that complement this position. The SSERC is described on the world wide web at <http://www.asu.edu/~sserc> where links to other information about ASU are also available.

Applicants must send: (1) their resume and publication list; (2) a letter stating that they wish to be considered for the position listed here and addressing their teaching and their research agenda; and (3) arrange for at least three letters of recommendation to be sent by the deadline to: Professor F.C. Hoppensteadt, 606 Goldwater Center, SSERC - 877606, Arizona State University, Tempe, AZ 85287-7606.

Review of the applications will begin on **December 31, 1997**, and will continue weekly until the position is filled.



ARIZONA STATE UNIVERSITY

Arizona State University is an equal opportunity/affirmative action employer.

FACULTY POSITION Materials Science and Engineering The Pennsylvania State University

The Department of Materials Science and Engineering at Penn State is seeking applicants to fill a tenure-track position in The Metals Science and Engineering Program, at the assistant/associate level. Preferences will be given to candidates with a strong interest and expertise in physical metallurgy; e.g., microstructure/property relationships as they apply to joining, solidification, processing, and other industrially relevant applications of structural materials.

The candidates must have demonstrated a strong academic record, an outstanding potential for independent research, and a commitment to teaching both undergraduate and graduate students. Please send curriculum vitae with a list of publications, names of at least three references, and an abstract of research and teaching interests by **Wednesday, January 7, 1998** to Paul R. Howell, Chair, The Faculty Search Committee, Metals Science and Engineering, P.O. Box M, 209 Steidle Building, University Park, PA 16802.

Penn State is an equal opportunity/affirmative action employer. Qualified minority and female candidates are encouraged to apply.

Positions Available

FACULTY POSITION Department of Mechanical Engineering and Materials Science Rice University

Rice University, Department of Mechanical Engineering and Materials Science, seeks candidates for a tenure track assistant professor position in the area of materials science. Candidates should hold a PhD degree in materials science or a closely related discipline, and should have a strong interest in teaching both graduate and undergraduate students. Research interests focusing on structure/processing/property relationships in micro- and nanostructured materials and/or electronic materials is important. Outstanding applicants in other research areas will be given serious consideration. Some background in electron microscopy is also desirable. Candidates from under-represented groups, including women, are particularly encouraged to apply.

Interested individuals should send a resume, including their publication list, the names of at least three references (addresses, telephone and fax numbers), and transcripts to:

MSCI Search Committee Chair
Department of Mechanical Engineering
and Materials Science - MS 321
Rice University
6100 Main Street
Houston, TX 77005-1892

Candidates will be considered as their applications arrive. However, the deadline for receipt of all application materials is **February 1, 1998**.

Rice University is an Affirmative Action/Equal Opportunity Employer.

ENGINEERING POSITIONS Sensitron Semiconductor

Sensitron Semiconductor is an award-winning designer and manufacturer of electric power conversion products as listed below:

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Nancy O'Neill
Human Resources Manager
Sensitron Semiconductor
221 West Industry Court
Deer Park, NY 11729
Telephone: 516-586-7600, ext. 215
Fax: 516-242-9798
E-mail: nancyo@rsm.com

Sensitron Semiconductor offers exciting career opportunities coupled with a highly competitive compensation and benefits package.

SENIOR RESEARCH SCIENTIST NYS Center for Advanced Thin Film Technology University at Albany-SUNY

The Center for Advanced Thin Film Technology (Center) at the University at Albany-SUNY is a fast-growing, \$30 million research facility with a mission of supporting industry and creating new jobs. The Center's technology areas include: microelectronics; optoelectronics and photonics; hard protective coatings; technology deployment, commercialization; business outreach and assistance.

Working with the Center's Deputy Directory for Technology, the senior research scientist will:

- Initiate and manage an independent research program in a relevant area of scientific expertise, including securing appropriate resources and supervising research activities and technical personnel.
- Work with Center's executive staff to develop and manage research and commercialization programs with industry, and federal and state funding agencies.
- Manage selected technical operations of the Center to include tracking and reporting project status in a timely manner, assuring timely completion of deliverables.

Qualifications of this position include a PhD degree in any of the following areas: materials science and engineering, experimental condensed-matter physics, or materials chemistry with an emphasis on microelectronics or optoelectronics. A minimum of five years experience is desired in an aggressive R&D environment. We offer a highly competitive salary and an outstanding benefits package. Please submit resume to:

Alain E. Kaloyeros, Director
NYS Center for Advanced Thin
Film Technology
1400 Washington Avenue, Physics B9
Albany, NY 12222

The Research Foundation of SUNY is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION Materials Science Brown University

The Division of Engineering at Brown University announces the opening of a tenure-track or tenured faculty position in the Materials Science Group, beginning September 1, 1998. It is expected that the appointment will be made at the assistant or associate professor level; however, well-qualified candidates at all levels are encouraged to apply.

The appointee will be expected to develop a significant independent research program. Areas of interest include, but are not limited to, the following: (1) experimental studies of electrical, optical, or mechanical properties of materials, and (2) modeling in the areas of materials processing and microstructure evolution. The appointee will be expected to teach undergraduate and graduate courses in materials science and may be called upon to teach in the engineering undergraduate core. Applications are sought from individuals with a PhD or equivalent degree and research experience in a relevant area. Applicants should have the ability to make clear and effective presentations of technical scientific material. Applicants may also submit samples of published work and a PhD thesis abstract.

Interested persons should send a detailed resume, plus the names and full mailing addresses of at least three persons (five for a senior level appointment) who could supply letters of reference, if requested, to:

Professor Clyde L. Briant
Co-Chair of the Materials Engineering Search Committee
Division of Engineering, Brown University, Box D, Providence, RI 02912-9104

To ensure full consideration, applications should be received by **December 31, 1997**.

Brown University is an Equal Opportunity/Affirmative Action employer and welcomes applications from women and minorities.

Services

PATENT ATTORNEY

Richard A. Neifeld, PhD

Telephone: 703-413-3000
Fax 703-413-2220
e-mail: rneifeld@oblon.com

Oblon, Spivak, McClelland,
Maier & Neustadt, P.C.