

**24-31** American Ceramic Society Glass and Optical Materials Division Joint Meeting with the Optical Society of America, *Williamsburg, VA*. Customer Service Dept., American Ceramic Society, P. O. Box 6136, Westerville, OH 43086-6136; 614-794-5890; fax 614-899-6109; e-mail customersvc@acers.org.

**27-31** 2nd Intl. Conf. on Nitride Semiconductors, *Tokushima, Japan*. S. Yoshida, ICNS'97, Materials Science Div., Electrotechnical Lab., 1-1-4 Umezono, Tsukuba, Ibaraki 305, Japan; 81-298-54-5222; fax 81-298-58-5434; e-mail syoshida@etl.go.jp; <http://www-icns.ee.tokushima-u.ac.jp>.

**27-31** 23rd Intl. Symposium for Testing and Failure Analysis, *Santa Clara, CA*. ASM Intl., Member Services Center, Materials Park, OH 44073-0002; 216-338-5151; fax 216-338-4634; e-mail memserv@po.asm-intl.org.

**27-31** Joint Magneto-Optical Recording Intl. Symposium and Intl. Symposium on Optical Memory, *Yamagata, Japan*. Secretariat for the Joint MORIS/ISOM '97, c/o Business Center for Academic Societies Japan, 5-16-9 Honkomagome, Bunkyo-ku, Tokyo 113, Japan; 81-3-5814-5800; fax 81-3-5814-5823.

**29-1** Annual Convention of the Composites Fabricators Association and the Society for the Advancement of Material and Process Engineering, *Orlando, FL*. M. Henriksen, COMPOSITES 97, Composites Fabricators Association, 8201 Greensboro Dr., Ste. 300, McLean, VA 22102; 703-610-9025; fax 703-610-9005; e-mail cfa.info@cfa.hq.org.

**NOVEMBER 1997**

**4-8** Unified Intl. Technical Conf. on Refractories, *New Orleans, LA*. Jerry E. Elliott, The American Ceramic Society, P. O. Box 6136, Westerville, OH 43086-6136; 614-794-5866; fax 614-899-6109; e-mail elliott@acers.org.

**16-19** 1997 Intl. Conf. on Tungsten, Refractory Metals, and Alloys, *Orlando, FL*. Metal Powder Industries Federation, 105 Colledge Rd. East, Princeton, NJ 08540; 609-452-7700; fax 609-987-8523; e-mail info@mpif.org.

**16-21** 1997 Congress of the American Society of Mechanical Engineers, *Dallas, TX*. G.J. Wiens, Program Chair, Dept. of Mechanical Engineering, 237 MEB, Univ. of Florida, Gainesville, FL 32611-6300; 904-392-0806; fax 904-392-1071; e-mail gwiens@cimar.me.ufl.edu.

**17-18** Midwest Univ. Industry Technology Transfer Conf., *Chicago, IL*. L.W. Sircy, Technology Transfer Conferences, Inc., 325 Plus Park Blvd., #108, Nashville, TN 37217; 615-366-0679; fax 615-366-0695.

**17-20** 16th Intl. Congress on Applications of Lasers and Electro-Optics, *San Diego, CA*. D. Flynn, Conf. Coordinator, Laser Inst. of America, 12424 Research Pkwy., Ste. 125, Orlando, FL 32826; 407-380-1553; fax 407-380-5588.

**DECEMBER 1997**

**1-5** MRS Fall Meeting, *Boston, MA*. Materials Research Society, 9800 McKnight Rd., Pittsburgh, PA 15237-6006; 412-367-3003; fax 412-367-4373; <http://www.mrs.org/>. MRS.

**16-20** 9th Intl. Workshop on Physics of Semiconductor Devices, *Delhi, India*. S.K. Agarwal, Secretary, IWPSD-97, Solid State Physics Lab., Lucknow Rd., Timarpur, Delhi-110054, India; 91-11-238739; fax 91-11-2913609; e-mail ska@drsspl.ren.nic.in.

**JANUARY 1998**

**6-9** 7th Joint MMM-Intermag Magnetism Conf., *San Francisco, CA*. D. Suiters, Conf. Coordinator, 655 15th St. N.W., Ste. 300, Washington, DC 20005; 202-639-5088; fax 202-347-6109; e-mail magnetism@courtesy.assoc.com.

**APRIL 1998**

**13-17** MRS Spring Meeting, *San Francisco, CA*. Materials Research Society, 9800 McKnight Road, Pittsburgh, PA 15237-6006; 412-367-3003; fax 412-367-4373; <http://www.mrs.org/>. MRS.

**26-1** 44th Annual Technical Meeting of the Inst. of Environmental Sciences, *Phoenix, AZ*. Inst. of Environmental Sciences, 940 E. Northwest Hwy., Mt. Prospect, IL 60056; 847-255-1561; 847-255-1699; e-mail istenvsci@aol.com.

**JUNE 1998**

**14-19** 9th World Ceramics Congress and Forum on New Materials, *Florence, Italy*. CIMTEC '98, P. O. Box 174, 48018 Faenza, Italy; 39-546-663362; fax 39-546-664138; <http://www.dinamica.it/cimtec>.

**JULY 1998**

**12-16** 3rd Pacific Rim Intl. Conf. on Advanced Materials and Processing, *Honolulu, HI*. P. Weiss, PRICM 3 Program Coordinator, TMS, 420 Commonwealth Dr., Warrendale, PA 15086-7514; 412-776-9000, ext. 227; fax 412-776-3770; e-mail weissp@tms.org.

**AUGUST 1998**

**24-27** Electroceramics VI, 11th Intl. Symposium on Applications of Ferroelectrics, and 4th European Conf. on Applications of Polar Dielectrics, *Montreux, Switzerland*. ECAPD & ISAF Electroceramics VI, LC-DMX-EPFL, CH-1015 Lausanne, Switzerland; e-mail electro@lc.dmx.epfl.ch; <http://dmxwww.epfl.ch/lc/electro/home.html>.

**26-31** 12th Intl. Conf. on Crystal Growth, *Jerusalem, Israel*. ICCG 12, c/o Intl. Travel & Congresses Ltd., P. O. Box 29313, Tel Aviv 61292, Israel; 972-3-5102538; fax 972-3-5160604.

**SEPTEMBER 1998**

**13-18** Applied Superconductivity Conf., Palm Desert, CA. Centennial Conferences, 303-499-2299; fax 303-499-2599; e-mail centennial@orci.com.

**15-19** 4th Intl Conf. on Computer Simulation of Radiation Effects in Solids, *Okayama, Japan*. Y. Yamamura, Okayama Univ. of Science, Ridai-cho, Okayama 700, Japan; 81-86-252-3161; fax 81-86-255-7700; e-mail yama@dap11.ous.ac.jp.

**OCTOBER 1998**

**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>. □

**Positions Available**

**POSTDOCTORAL POSITION  
Diamond-Like Carbon Film Research  
Solid State Division  
Oak Ridge National Laboratory**

The Oak Ridge National Laboratory (ORNL) invites applications for a postdoctoral research position that is available immediately in diamond-like carbon (DLC) film growth and characterization for device applications. Our interest is in hard, hydrogen-free films produced by laser ablation, cathodic arc discharge, or low-energy ion beam sputtering. Direct experience with the growth and characterization of DLC or a closely related material is desired. There should also be some interest in and ability to utilize a combination of techniques such as AES, EELS, micro-Raman, and/or STM/AFM. Acquaintance with photo- or electron-beam lithography also will be helpful.

The appointment is initially for one year with renewal possible for at least one additional year. A PhD degree awarded within the last five years is required.

Please submit a curriculum vitae, publications list, and the names of three references to: Dr. D. H. Lowndes, Solid State Division, Oak Ridge National Laboratory, P. O. Box 2008, Oak Ridge, TN 37831-6056. Email inquiries may be submitted to [vdh@ornl.gov](mailto:vdh@ornl.gov).

*ORNL is an equal opportunity employer committed to building and maintaining a diverse workforce.*

**DIRECTOR  
School of Textiles, Fiber & Polymer Science  
College of Engineering and Science  
Clemson University**

Clemson University, the land grant university of South Carolina, invites applications and nominations for the position of Director, School of Textiles, Fiber & Polymer Science, which will become available August 15, 1997. The School currently has twelve full-time faculty positions, offers BS, MS, and PhD degrees and has a current enrollment of 125 undergraduate and 37 graduate students. A detailed description of the School and additional information regarding this position are available on the internet at URL <http://www.eng.clemson.edu/textiles/>.

Required qualifications include: (i) demonstrated administrative and leadership ability; (ii) demonstrated research success as evidenced by a sound record in published basic and/or applied research and recognized contributions in his/her field; and (iii) an earned doctorate in textiles, one of the natural sciences, or engineering, and qualification for appointment in a tenure-track position. Send letter of application, names of at least three references and a curriculum vitae, or a letter of nomination, to Dr. Michael S. Ellison, Chair; Director Search and Screening Committee; School of Textiles, Fiber, and Polymer Science; Clemson University; 161 Sirrine Hall, Box 341307; Clemson, SC 29634-1307. Applicant screening will commence June 2, 1997 and will continue until the position is filled.

*Clemson University is an Equal Opportunity/Affirmative Action Employer. Qualified women and minority candidates are especially encouraged to apply.*

**MRS meeting information is available on the  
MRS Website: <http://www.mrs.org/>**

Positions Available

**HONDA CHAIR**  
**Department of Materials Science & Engineering**  
**The Ohio State University**

The Ohio State University (OSU) invites nominations and applications for the Honda Chair in Transportation, in Materials Development and Processing that has been recently endowed in the Department of Materials Science and Engineering.

OSU, founded in 1871, is one of the largest land-grant universities in the country. It is located in Columbus, the capital of Ohio. The university and the city provide rich cultural life in an urban setting.

The Department of Materials Science and Engineering has currently about 25 faculty, about 90 graduate students, and close to 120 undergraduate students. Current research expenditures are almost \$6 million per year. The faculty is active in a variety of research areas; future growth in new areas is expected.

Honda of America Mfg., Inc. produces motorcycles and automobiles for both domestic and export markets worldwide. Honda has invested over \$3.35 billion in manufacturing, research, development, and equipment engineering operations in Ohio. This endowed Chair demonstrates Honda of America's continued support and pursuit of new technology and future research. The holder of the Chair will be appointed as a full professor with tenure, and will be expected to strengthen the unique partnership between Honda and OSU.

The candidate should hold a PhD degree in materials science or in a closely related field, have a distinguished research, scholarship and publication record, a strong commitment to engineering education, and be recognized as a dynamic leader in his/her field both nationally and internationally.

The candidate should have a willingness to provide leadership in the development of new academic and research programs in materials development and processing.

The successful candidate must have expertise in one or more areas, such as computational materials science; modeling of materials properties, microstructures and processing; and high strength materials.

The review of applications will begin in **May 1997**. Applications will be accepted until the position is filled.

Applications and nominations (with a list of references) should be sent to:

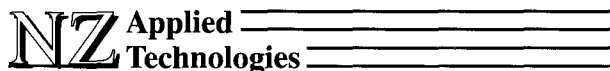
Dr. Stephen A. Sebo, Chair, Search Committee  
 Honda Chair—Materials Development and Processing  
 Department of Electrical Engineering, The Ohio State University  
 2015 Neil Avenue, 205 Drees Lab, Columbus, Ohio 43210-1272  
 Phone: 614-292-7410, FAX: 614-292-7596  
 E-mail: sebo@ee.eng.ohio-state.edu



The Ohio State University is an Equal Opportunity, Affirmative Action Employer.

**STAFF POSITIONS**  
**NZ Applied Technologies**

NZAT is a growing photonic device company with an opening for a senior researcher with MOCVD GaN experience. Excellent writing, organizational and oral skills are a must. We also have engineer openings in sol-gel processing and E-O devices. NZAT offers a competitive salary, a full range of benefits, and equity participation. HRN, 8A Gill Street, Woburn, MA 01801.



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**平成10年度基礎科学特別研究員の公募について**

科学技術庁傘下の特殊法人理化学研究所は、我が国の基礎研究を強力に推進するため、平成10年度の基礎科学特別研究員を募集します。斬新な研究課題を自主的に遂行できる若い研究者の応募を期待します。

採用予定人員/70名程度  
 受入機関/理化学研究所  
 募集分野/物理学、化学、生物科学、医科学、工学の各分野で、理化学研究所で実施可能な研究。

応募資格/平成10年4月1日現在35歳未満で、博士号取得者又はこれと同等の能力を有すると認められる者。

※日本国に永住権を有さない外国人にあっては、上記に加え、次の条件を満たす者。

- ①応募日現在日本国に在住している者。
- ②日本国の大学院博士課程を終了(見込を含む)し、博士号を取得(見込を含む)の者。

待遇等/①謝金 月額50万円程度(社会保険、税込)

②通勤費 実費(上限40千円/月)

③住宅費 家賃の一部支給

④研究費(1,380千円/年程度)

兼任時期/平成10(1998)年4月1日

契約期間/連続して最長3年間を限度とし、毎年度所要の評価により契約更新

応募要項頒布/頒布開始は4月上旬予定

応募要項の請求は、下記FAXへ①郵便番号 ②住所 ③氏名(漢字) ④氏名(カタカナ)を記入し、送信すること。 ※要項代は無料です。

応募願書の/平成9年5月30日(金)必着

提出締切

願書提出先/理化学研究所 研究業務部

若手研究員制度推進室 基礎科学特別研究員担当

〒351-01 埼玉県和光市広沢2番1号

TEL. 048-467-9268(直通) FAX. 048-463-3687

**理化学研究所**

**STAFF MATERIALS SCIENTIST**

**Ernest Orlando Lawrence Berkeley National Laboratory** currently has an opportunity for a professional to lead a research effort in high resolution imaging of materials in its National Center for Electron Microscopy. The successful candidate will oversee the operation of several high resolution electron microscopes and manage a program designed to extend instrument resolution toward the 1 Å information limit.

The position requires extensive practical experience with advanced high resolution imaging and analysis techniques and their successful application in materials science; demonstrated ability to carry out high quality research and initiate successful collaborations. Ph.D. in the physical sciences and practical experience with series reconstruction and holography are preferred.

Please send resume and cover letter to: **Ernest Orlando Lawrence Berkeley National Laboratory, Staffing Office, Job #MSD/5001, One Cyclotron Road, MS 938A, Berkeley, CA 94720.**



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Classified ads can be e-mailed to kaufold@mrs.org.

## Positions Available

### RESEARCH POSITIONS

#### Advanced Materials Research Institute University of New Orleans

The Advanced Materials Research Institute (AMRI) at the University of New Orleans has openings for several research positions. AMRI is developing a new research initiative on nanophase magnetic materials. The positions are in all areas of scientific research that are directed at ultra fine grained (< 100 nm) magnetic particles. AMRI seeks qualified applicants in materials research specialization that include fabrication (chemical, mechanical, etc.), thin film growth (CVD, sputtering, etc.), characterization (magnetic measurement and analysis), structure (electron microscopy, X-ray, etc.), manipulation of properties (size, shape, magnetic enhancement, etc.), processing of particles (particle monolayers, films, composites, array assembly, etc.), and theoretical modeling. Collaboration with faculty in other departments of the University and with scientists in industrial research laboratories is encouraged. Salary range and appointment level are commensurate with experience and educational background. Some positions require U.S. citizenship. All positions will remain open until filled. To receive full consideration for a position, all application materials should be received by **June 1, 1997**.

#### Assistant Professor for Research:

The Institute expects to make at least two appointments at this level. The successful candidate should be capable of assuming a leadership role in the development of an independent research program and will submit proposals for external funding to industrial and government agencies. This position is supported from grants and/or contracts of the Institute. Candidates must possess a PhD degree and are expected to have a postdoctoral experience and an established record of excellence in their area of specialization. Applicants should submit a one-page description of their research interest.

**Postdoctoral Researcher:** Several positions are available. The successful candidate must possess a PhD degree and research experience in a related area of chemistry, physics, engineering or materials science. Postdoctoral scientists will conduct their research under the supervision of a member of the Institute. The research may involve collaboration with faculty affiliated with various departments at the University and/or research in the laboratories of industrial partners of AMRI.

Send resume and three letters of recommendation to:

Search Committee  
Advanced Materials Research Institute  
University of New Orleans  
New Orleans, Louisiana 70148  
E-mail: amri@uno.edu

*AMRI is an Affirmative Action / Equal Opportunity Employer*

### ASSISTANT PROFESSOR POSITIONS Materials Science & Engineering Department Rensselaer Polytechnic Institute

The Materials Science and Engineering Department of Rensselaer Polytechnic Institute is seeking exceptionally well-qualified candidates for tenure-track faculty positions at the assistant professor level. The department has broad interests and world-class expertise in ceramics and glasses, electronic materials, metals, polymers, and composites.

Positions are currently available in the following areas: *Materials for integrated electronic systems*—electronic and optoelectronic materials, processing, and process modeling; and *Computational materials science*—theoretical modeling of materials structures, properties, and processes at atomic, molecular, and nanometric scales.

Candidates must have a doctoral degree and an excellent record of accomplishment in materials research. Dedication to high-quality teaching is essential. Responsibilities of these positions include teaching undergraduate and graduate courses, supervision of graduate students, scholarly research, and generation of significant research funding.

Applications will be considered until the positions are filled. Send inquiries and applications, including a statement of research and teaching goals, a list of publications, and a minimum of three references to:

Prof. Richard W. Siegel, Head, Materials Science & Engineering Department  
Rensselaer Polytechnic Institute, 110 Eighth Street, Troy, NY 12180-3590  
Phone: 518-276-6373, Fax: 518-276-8554

Rensselaer has a strong institutional commitment to the principles of diversity. In that spirit, we are particularly interested in receiving applications from a broad spectrum of people, including women, minorities, disabled individuals, and veterans.



### FACULTY POSITION University of Massachusetts—Lowell

The University of Massachusetts—Lowell seeks applicants for a tenure-track faculty position at the assistant professor level in physical and materials chemistry, especially areas related to the surface chemistry of thin-molecular and macromolecular films. The successful applicant will interact with our faculty in the Institute for Molecular Assemblies in an interdisciplinary project funded by the Multidisciplinary University Research Initiative of the Office of Naval Research. Major surface science instrumentation in place in our Center for Advanced Materials includes ESCA, SIMS and Auger spectrometers, scanning probe microscopes, scanning and transmission electron microscopes, and x-ray diffractometers.

The successful applicant must have a strong commitment to excellence in teaching at both undergraduate and graduate levels and must establish a nationally recognized and externally funded research program. Teaching activities will include introductory and advanced courses in physical chemistry, including quantum chemistry. The starting date for this position is September 1997.

Candidates should have a PhD degree in chemistry or a closely related discipline, and postdoctoral experience is desirable. They should submit a curriculum vitae, statement of research interests and three letters of recommendation to:

Dr. Sukant K. Tripathy, Chair, Physical and Materials Chemistry Search Committee  
Department of Chemistry, University of Massachusetts—Lowell, Lowell, MA 01854-2881

The position will be open until a suitable candidate is found.

*The University of Massachusetts Lowell is an equal opportunity/affirmative action, Title IX, ADA 1990 employer.*

### TENURE-TRACK FACULTY POSITIONS Joint Faculty Appointment Program (JFAP)

The advertisement placed by Louisiana State University (LSU) and Southern University (SU) in the January 1997 issue of this publication for two tenure-track faculty positions at the issue rank of Assistant or Associate Professor to hold joint faculty appointments in the area of composite materials is hereby modified.

LSU and SU welcome applications from all qualified persons regardless of resident or citizenship status. Please see the previous advertisement or contact Dr. Su-Seng Pang, Chair of the Joint Faculty Appointment Program, Department of Mechanical Engineering, Louisiana State University, Baton Rouge, LA 70803 for additional information.

Application deadline is **May 31, 1997**, or until candidates are selected.

*LSU/SU is an equal opportunity/affirmative action employer*

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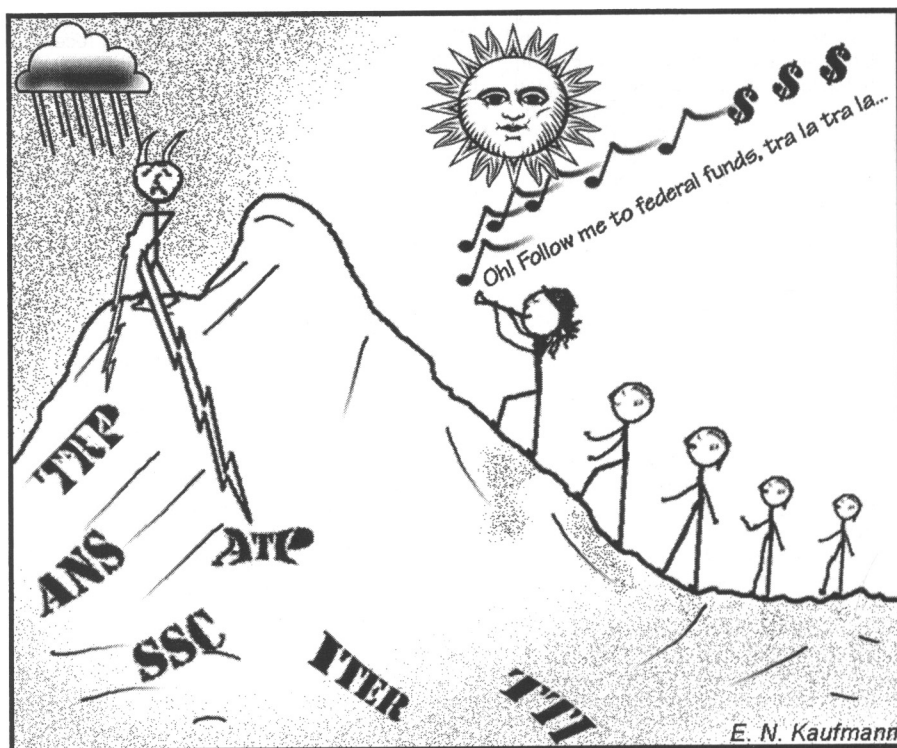
**POSTERMINARIES**

**The Pied Piper of Funding**

*[Excerpted from "Mountains of Mythical Money" by Dr. I.M. Science Sage (unpublished)]*

Fool me once, shame on you! Fool me twice, shame on me! Fool me and all of my colleagues repeatedly over many years, shame on the system! It goes like this. First, forget past debacles. Then, gin up the most comprehensive, state-of-future-art, technically complex project that incurable optimism can imagine. Next, make the rounds with your contagious enthusiasm, hyperbolic claims, and a few friendly lobbyists. Now ride the bandwagon as it hurdles downhill collecting advocates. Watch the credible skeptics remain silent lest they lose friends for their own schemes. A bill authorizing the whole project passes without an adequate companion appropriation. The corner has now been turned. Simultaneous underfunding, stretch-outs, and a whole new meaning for "on schedule and under budget" become the orders of the day. Finally, the passage of time decimates your majority. Supporters defect. Formerly silent critics make noises about zero sum games and the size of the pie. Newcomers want to fix the mistakes of the old-timers they've replaced. And, your dream project is fixed into oblivion.

If you lick your wounds and pursue the grail again, you are presenting symptoms familiar in medical circles. Such cyclical self-defeating behavior is normally diagnosed as an obsessive compulsive disorder. Unfortunately their is no FA (or Fundees Anonymous) organization yet founded to support this particular affliction. Two traditional criticisms of this diagnosis are expected. Some will say this syndrome does not exist. Classic denial! Others



will blame this phenomenon on someone else like the agencies, the Congress, the public's fickleness and generally poor understanding of our high purpose, or the lack of courage and staying power of those who voted our way in the beginning. Classic denial!

Still others will make pronouncements to the effect that "the era of the big science project is past and we must lower our expectations accordingly." When this depressing forecast comes from those in a field that has just lost its

own pet project, we can equate it to the sour grapes of the backside of denial, i.e., anger. Would we could deny the kernels of unwelcome truth poking through the noise of this one. Perhaps it's time to take the cure? On the other hand, if we could only enlist all the domestic and international potential partners who are similarly afflicted in one grand chapter of FA, just think of the clout we could put behind the next megaproject.

E.N. KAUFMANN