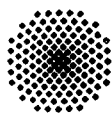


Positions Available



Universitaet Stuttgart

Am Institut fuer Metallkunde der Universitaet Stuttgart ist eine

C4-Professur fuer Metallkunde

(Nachfolge Prof. Dr. B. Predel)

zu besetzen. Die Professur (1. Lehrstuhl fuer Metallkunde) ist in den neuen Studiengang "Werkstoffwissenschaft" eingebunden und soll in Abstimmung mit dem 2. Lehrstuhl fuer Metallkunde (Metallphysik) das Gebiet der Metallkunde in der ganzen Breite des Faches vertreten. Forschungsgebiete, die sich gut in den Gesamtrahmen einfüegen wuerden, waeren Festkoerperkinetik und/oder neue Methoden der Materialsynthese. Es wird eine gemeinsame Berufung sowohl auf den Lehrstuhl als auch zum Wissenschaftlichen Mitglied und Direktor/in am Max-Planck-Institut fuer Metallforschung angestrebt.

Die Universitaet Stuttgart moechte den Anteil der Frauen im wissenschaftlichen Bereich erhoehen und ist deshalb an Bewerbungen von Frauen besonders interessiert. Damen und Herren mit der entsprechenden Qualifikation werden gebeten, ihre Bewerbung mit den ueblichen Unterlagen bis zum 28.04.95 an den Vorsitzenden der Berufungskommission, Herrn Prof. Dr. E. Arzt, Institut fuer Metallkunde der Universitaet Stuttgart, Seestrasse 71, D-70174 Stuttgart, zu richten.

RESEARCH ASSISTANT PROFESSOR Chemical & Nuclear Engineering Department University of New Mexico

The University of New Mexico Chemical and Nuclear Engineering Department invites applications for a Research Assistant Professor to conduct collaborative research with personnel in the Glass and Optical Materials Department at Sandia National Laboratories to study optical behavior of rare-earth dopants in novel crystalline and glassy hosts. The successful candidate will have experience with the operation of laser optical systems and the preparation of inorganic materials. Minimum qualifications: PhD in materials science, chemistry, chemical engineering, physics, or a related field. Preferred qualifications: experience in optical spectroscopy of materials, inorganic material synthesis, and high temperature melt synthesis. Send letter of interest, vita, written work, and at least three letters of recommendation to: Diane S. Gwinn; Chemical and Nuclear Engineering; 209 Farris Engineering Center; Albuquerque, NM 87131-1341. All applicant materials must be received by **April 30, 1995**.

The University of New Mexico is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION IN PROCESSING OF ADVANCED MATERIALS Department of Materials Science and Engineering Stanford University

The Department of Materials Science and Engineering at Stanford University invites applications for a tenure-track position at the assistant professor level in the processing of advanced ceramic materials. Applicants should hold an earned doctorate in materials science and engineering or in a related field, and should have outstanding potential for establishing an independent research program, and for teaching materials science at the graduate and undergraduate levels. The applicant should also have the ability to work in an interdisciplinary environment, as participation in interdepartmental programs and interaction with students and faculty in other disciplines will be expected. We are interested in an individual with research and teaching experience in materials chemistry relating to the processing of advanced ceramics or ceramic-matrix composite materials. Other individuals with truly exceptional promise in materials science and engineering who have outstanding records of accomplishment in closely related areas of research and teaching will also be considered. We especially encourage women and minority candidates to apply for this position as we are committed to building diversity in our faculty.

We would expect the candidate to develop programs with a strong component of experimental research on the synthesis and processing of high performance ceramic materials, such as structural ceramics, ceramic-matrix composites, and advanced ceramics for device applications. Ideally such research would contribute to and benefit from the current department program on the micro-mechanical behavior of advanced ceramic materials and would also contribute to the Stanford effort in electronic device materials. We also seek an individual whose research would benefit from the Stanford environment of advanced materials characterization and analysis techniques.

We seek an individual who is also committed to excellence in teaching and to the mentoring of students. The successful candidate will be expected to contribute to the teaching program of the department by offering core courses in materials chemistry, thermodynamics, and kinetics as well as more specialized courses on synthesis and processing of materials.

Applications should include a summary of educational and professional backgrounds, a current list of published work, evidence of teaching experience, and the names of at least three referees who may be consulted by the search committee regarding the candidate's work. An indication of how the candidate's experience matches the position described above should also be given. The appointment is expected to be made during the 1995-1996 academic year; applications should be submitted by **May 31, 1995** to:

Prof. William D. Nix, Chairman
Department of Materials Science and Engineering
Stanford University
Stanford, CA 94305-2205
phone: (415) 725-2605
fax: (415) 725-4034
e-mail: nix@Sierra.stanford.edu

Stanford University is an equal opportunity employer and specifically invites and encourages applications from women and minorities.

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Call Mary E. Kaufold at 412/367-3036.

Positions Available

POSTDOCTORAL AND GRADUATE ASSISTANTSHIP POSITIONS
Pennsylvania State University

One postdoctoral and two graduate assistantship positions are immediately available to work on computer simulation of phase transformations in solids. Please send a resume, selected reprints, and three letters of recommendation to:

Prof. Long-Qing Chen
 118 Steidle
 Department of Materials Science and Engineering
 Pennsylvania State University
 University Park, PA 16802
 E-mail: chen@ems.psu.edu.

An Affirmative Action/Equal Opportunity Employer. Women and minorities encouraged to apply.

FACULTY OPENINGS
School of Materials Engineering
Purdue University

The School of Materials Engineering expects to have a tenure-track faculty opening for the 1995-96 academic year. Starting rank is expected to be at the assistant professor level with higher rank possible for exceptional cases. Candidates must have a PhD in some area of materials science and engineering with added experience desirable. 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 special consideration given to materials processing/microstructural aspects of polymers.

All applications received by **May 1995** are assured full consideration but the search will continue until the position is filled. Starting dates will be after July 1995.

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

Prof. G.L. Liedl, Head
 School of Materials Engineering
 Purdue University
 1289-MSEE Building
 West Lafayette, IN 47907-1289

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SIEMENS

Applications Scientist

Siemens Analytical Instrumentation, a world leader in analytical x-ray instruments, has an opening for an XRD Applications Scientist at our Madison, WI headquarters.

This position's responsibilities include demonstrating x-ray diffractometers to potential customers, training people in the use of the instruments, and providing technical support and backup for field sales. Additional responsibilities include representing Siemens at technical conferences and trade shows.

The qualified applicant will have at least two years of analytical XRD lab experience. A minimum of a BS degree in physical science or engineering, or equivalent experience, is also required.

Siemens offers a competitive salary and a comprehensive benefits package. Qualified applicants should submit their resume and salary history in confidence to:

Siemens Industrial Automation, Inc.
 Analytical Instrumentation
 6300 Enterprise Lane
 Madison, WI 53719-1173
 Attn: Human Resources
 An Equal Opportunity Employer

**平成8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8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。

1. 採用予定人員: 35名程度
2. 受入機関: 理化学研究所
3. 募集分野: 物理学、化学、生物学、医科学、工学の各分野で、理化学研究所で実施可能な研究。
4. 対象者: 平成8年4月1日現在35歳未満の健康な者で、博士号取得者又はこれと同等の研究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、上記に加え応募日現在で日本国に在住している者であって、日本国の大学院博士課程を修了(見込を含む)し、博士号を取得(見込を含む)の者。
5. 待遇等 (1) 謝金 月額50万円程度(社会保険料、税込)
 (2) 通勤費 実費(上限4万円/月)
 (3) 住宅費 家賃の一部支給
 以上のほか、研究費として138万円/年程度
6. 契約予定期間/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。
7. 応募締切日/平成7年6月14日(休)。応募の意向のある方は平成7年5月31日(休)までに下記にお問い合わせ下さい。
 理化学研究所 研究業務部 基礎科学特別研究員制度推進室
 〒351-01 埼玉県和光市広沢2番1号
 電話 048-462-1111 内線2461-2463
 F A X 048-462-4608
 (直通電話・FAX.: 048-463-3687)
8. その他/本件は政府予算の成立を前提としており、その事情により変更がありえますのでその旨御承知おき下さい。

理化学研究所

POSTDOCTORAL RESEARCH POSITION
Department of Physics & Astronomy
Wayne State University

Applications are invited for a postdoctoral research position in thin film materials research. The individual must have experience and in-depth knowledge in thin film synthesis, characterization, and electrical measurements of ferroelectric thin film materials. The candidate must have a PhD in physics or materials science or a related field. Please send resume and three reference letters to: Prof. Ratna Naik; Department of Physics and Astronomy; Wayne State University; Detroit, MI 48202.

Wayne State University is an Equal Opportunity/Affirmative Action Employer.

Position Wanted

The following advertisement is from an MRS member seeking employment in materials research and development.

PROSPECTIVE EMPLOYERS—
 To correspond confidentially with the applicant, REPLY TO THE APPROPRIATE BOX NUMBER, AS FOLLOWS:

Box _____, No. _____,
 c/o MRS Bulletin, Materials Research Society
 9800 McKnight Road, Pittsburgh, PA 15237-6006

PhD Materials Science (MS, ceramic eng., BS metallurgy) seeks process/product development position. Extensive hands on experience in processing and characterization of ferroelectric, superconducting, ionic and electro-optic materials. Experience in sintering, chemical processing, various analytical tools, thermal analysis, infra-red sensors, and data acquisition systems. Over six months of internship experience in processing of ceramics and manufacturing of aluminum alloys and steel. **Employers—if you want a result producer and a proven team player, please reply to Box XX401.**

1995 AD CLOSING DEADLINE

May 1, 1995 for the June Issue, Theme: Organic Thin Films
 TO PLACE YOUR AD, CALL MARY E. KAUFOLD AT (412) 367-3036