

MATERIALS RESOURCE CENTER: *Positions Available*

FULL PROFESSOR POSITION IN THE DEPARTMENT OF CHEMICAL AND MATERIALS ENGINEERING UNIVERSITY OF NEVADA, RENO

The University of Nevada, Reno (UNR) Department of Chemical and Materials Engineering (CME) invites applications from outstanding candidates for a faculty position at the level of Full Professor in Materials Science and Engineering. However, exceptional candidates at the Associate Professor level will also be considered. Candidates with a doctorate degree in Materials Science and Engineering, Metallurgy or Chemical Engineering will be preferred. The candidates are required to have a proven, funded research record in her/his area of specialization. Preferred areas of research include renewable energy and energy-related materials, including but not limited to hydrogen research, batteries, solar-thermal, photovoltaics, fuel cells, and advanced materials for geothermal power. The selected candidate will also be expected to teach graduate and undergraduate courses, supervise MS and PhD students, and engage in outreach activities. Interested candidates will have an opportunity to be considered for the position of Director of the University of Nevada's Renewable Energy Center. Please visit (<https://www.unrsearch.com/postings/9720>) for further information and to apply. All application materials should be submitted electronically to the website. AA/EEO Women and under-represented groups are encouraged to apply.

SENIOR ENGINEER - COMPOSITES

Material Mechanics lab at GE Global Research - Bangalore, conducts advanced research in the area of Composite Materials. The lab's focus is to accelerate the implementation of polymer and ceramic matrix composites in GE businesses through process and mechanics modeling supported by specialized testing. It works closely with the teams in Niskayuna and Munich to support projects for GE-Energy, Aviation, SABIC, Medical Systems, Water and Oil & Gas.

We are looking for candidates with a PhD degree in Mechanical Engineering/Materials Science with strong background in mechanics of composite materials and has 10+ years of experience in the industry or academia.

Reach out to us at Bangalore.Global-research@ge.com for more details. The details of the job 1282757 is uploaded in www.ge.com/careers.

JOM: Don't Miss An Issue!

If you have not already done so,
renew your TMS membership for 2012.

Visit: members.tms.org

**This will ensure no interruption in receipt of your
JOM subscription for 2012.**

Remember that your TMS membership includes complete online access to *JOM* as well, including full-issue archives dating back to 1997.

Log in at members.tms.org and renew your membership now for 2012. Enjoy continued access to an array of additional benefits.

A few examples are:

- E-subscriptions to the *Journal of Electronic Materials* and *Metallurgical and Materials Transactions A and B*
- Complimentary access to 20 additional journals/publications via Springerlink
- Discounts on Wiley publications
- Reduced registration fees for select TMS conferences



EHRD COORDINATOR FOR C-PHOM

The University of Michigan, Ann Arbor, invites applications for the Education and Human Resources Development (EHRD) Coordinator for C-PHOM, a 6-year NSF-funded Materials Research Science and Engineering Center. The EHRD Coordinator will be responsible for all aspects of education, outreach, and assessment, including the recruitment and placement of students, processing of applications, design and implementation of a research training program for high school students, future education and career tracking of the students, educational assessment and evaluation, and education-based grant and report writing. The EHRD Coordinator candidate is expected to be highly organized, have excellent oral and written communication skills, and be able to work with a diverse group of students, teachers, and faculty. This is a half-time position which may expand to full-time if the program budget allows. A master's degree or higher in a STEM field is required. Applications should include a cover letter and resume, submitted as one pdf file at the following link: http://umjobs.org/job_detail/63746/education_and_human_resource_development_coordinator. For job content related questions, please contact Professor Rachel S. Goldman: rsgold@umich.edu.

UM is a non-discriminatory, affirmative action employer.

MATERIALS RESOURCE CENTER: *Positions Available*

DEPARTMENT HEAD AND PROFESSOR

Materials and Metallurgical Engineering (MME)

South Dakota School of Mines and Technology invites applications for the position of Department Head and Professor of Materials and Metallurgical Engineering. This is a twelve month position with a desired start date of July 1, 2012. The successful applicant will possess an earned doctorate in Metallurgical or Materials Engineering/ Science or a closely related field, from an accredited university, with a record of teaching, scholarship, and service sufficient to warrant a tenured appointment.

The Department Head supervises the MME faculty and staff and reports directly to the Provost/Vice President for Academic Affairs. The primary responsibilities of the department head are to provide visionary leadership; to encourage excellence and innovation in teaching, research, and service; to advance professional development of the faculty and staff; and to promote productive relationships with students, parents, alumni, industry, and government agencies. The well qualified candidate will have demonstrated successful administrative skills, a balanced perspective on teaching and research, and the ability to lead a faculty representing a range of interests.

The Department of Materials and Metallurgical Engineering currently has six full-time faculty positions with expertise in chemical metallurgy/mineral processing, physical metallurgy, friction stir processing and biomaterials. Modern materials laboratories, an NSF Industry/University Cooperative Research Center and an NSF Research Experiences for Undergraduates Site support the faculty endeavors. Department enrollment is approximately 85 undergraduate and 20 graduate students. The Department offers a B.S. degree in Metallurgical Engineering and participates in the multidisciplinary Materials Engineering and Science and Biomedical Engineering graduate degree programs.

Individuals interested in this position must apply online at <http://sdsmine.sdsmt.edu/sdsmt/employment>. Human Resources can provide accommodation to the on-line application process and can be reached at (605) 394-1203. Review of applications will begin on January 3, 2012, and will continue until the position is filled. Employment is contingent upon completion of a satisfactory background investigation. For more information about the School of Mines and Rapid City, visit: www.sdsmt.edu and <http://visitrapidcity.com>

SDSM&T is an EEO/AA/ADA employer & provider

Cut through the clutter... use the TMS Marketplace!

Everything You Need for One-Stop Shopping...

- Up to-date inventories from the leading materials suppliers
- Clutter-free searching for quick results
- Downloadable to your desktop for easy access

Visit www.tms.org and select the TMS Marketplace to access the most up-to-date information on vendors who support the metals and materials industries.

Metallurgists, Researchers, Educators and Managers

Find the job you're looking for in the JOM Materials Resource Center.

Job postings are updated weekly online at <http://www.tms.org/classifieds.html>

MECHANICAL ENGINEERING – WRIGHT STATE UNIVERSITY

Wright State University (WSU) invites applications for a tenure-track faculty position in the Department of Mechanical and Materials Engineering (MME). The position requires that the candidate initially allocate 50% of time in support of the MME Department and 50% of time working with Mound Laser & Photonics Center, Inc. (MLPC www.mlpc.com), a small business that combines research and development and contract manufacturing in laser materials processing. This novel and revolutionary concept of a joint position between small business and university has the full support of the Ohio Board of Regents. It is designed to expose students to manufacturing at an early stage in their education and accelerate the transition of technology from the research and development laboratory to the commercial market place. The faculty member will work closely with MLPC personnel to further develop the concept, which involves shared facilities and joint publications between WSU and MLPC.

The position is at the associate professor level, however exceptional candidates can be considered for the rank of full professor. The successful candidate will be expected to develop a funded research program in collaboration with MLPC and teach courses in the Mechanical and Materials Engineering Department at both the undergraduate and graduate levels. Additional educational activities will take place with MLPC's research and development team.

Applicants must have a doctoral degree in Mechanical Engineering or related discipline along with several years of academic or industrial experience that demonstrates propensity for scholarship, developing a research program, and teaching. Examples of the research areas include laser processing, additive manufacturing, direct part manufacturing, rapid prototyping, processing and manufacturing applications at the micro and nano levels, and green/sustainable manufacturing. The anticipated start date is September 1, 2012.

Applicants for the position must apply to <https://jobs.wright.edu>. Please include a resume, statement about teaching philosophy and research interests, as well as the names and contact information of three references.

Review of applications will begin April 2, 2012.

WSU is a public institution of over 20,000 students located in a technologically rich region of southwestern Ohio adjacent to Wright-Patterson Air Force Base. The MME Department has active research centers in the areas of Advanced Power and Energy Conversion, Micro Air Vehicles, and Computational Design and Optimization.

WRIGHT STATE UNIVERSITY is an Affirmative Action/Equal Opportunity employer.

MATERIALS RESOURCE CENTER: Positions Available**NC STATE UNIVERSITY****NUCLEAR ENGINEERING
FACULTY POSITION
In Computational Materials Science**

The Department of Nuclear Engineering at North Carolina State University (NCSU) in Raleigh, North Carolina, is seeking a qualified individual for a Tenure Track faculty position at the Assistant Professor level; however, exceptionally qualified candidates may be considered for appointment at higher rank. The successful applicant will, as part of their duties, perform research with the Consortium for Advanced Simulation of Light Water Reactors (CASL), a DOE energy innovation hub, via a joint appointment with Oak Ridge National Laboratory. Applicants must have earned a doctorate in nuclear engineering or a closely related field.

Applicants for this position are specifically desired with expertise in the development of materials science based modeling and simulation capabilities, including validation via usage of experimental data, and application of the developed capabilities to nuclear energy systems. More information can be found at <http://www.ne.ncsu.edu>.

The position entails teaching undergraduate and graduate courses in nuclear engineering, participating in CASL research activities, and conducting externally funded research at NCSU with the objective of building and leading a world class research team. The selected candidate is expected to introduce new graduate-level courses based on his or her research expertise. Preference will be given to candidates who demonstrate a high potential for developing a successful research and teaching program.

Interested candidates should apply online at <http://jobs.ncsu.edu> and reference **Position #102420**. Please attach a letter of application, a brief statement of teaching philosophy and research interests, a curriculum vita, copies of up to three substantive publications or technical reports, and names and addresses of three references. Review of applications will begin immediately and will continue until a suitable candidate is appointed.

For those candidates with disabilities who require accommodations during the application process, please contact **919-513-3148**.

AA/EOE. In addition, NCSU welcomes all persons without regard to sexual orientation.

**FACULTY POSITIONS
Materials Science and Engineering**

The Department of Materials Science & Engineering (MSE) at Boise State University plans to hire three tenure track faculty by fall 2012 to help grow its undergraduate and graduate programs. Hires will be made at all levels. A doctoral degree in MSE or a closely related field, is required. Successful candidates will be highly collaborative, contribute significantly to both graduate and undergraduate research, and make balanced contributions to teaching, research, and service.

Faculty are being sought who have expertise that support or are complimentary to strategic research areas of the department and university (<http://coen.boisestate.edu/mse/>)

Boise State is the largest university in Idaho and is home to a thriving and energetic new MSE program. The College of Engineering is experiencing tremendous growth and enjoys support from the intermountain west's high-tech industry. In Boise, culture and entertainment exist in harmony and you will find beauty and adventure both outdoors and within its thriving arts scene. Offering convenient access to outdoor recreation, including world-class whitewater, skiing, biking, fishing, and camping.

Review of applications will begin March 15, 2012 and will continue until the position is filled. Interested applicants should submit cover letter, CV, statements of teaching and research interests, and a list of three references to MSEsearch@boisestate.edu.

Additional details at: <http://coen.boisestate.edu/mse/Opportunities/>

EOE/AA Institution, Veterans preference may be applicable.

I'VE SPECIALIZED FOR 33 YEARS

in the placement of Metallurgical, Materials, and Welding Engineers in the areas of R&D, Q.C. Production, Sales & Marketing, nationwide. My background as a Met. Eng. can help you! Salaries to \$190K. Fees paid by Co. Call/Send/E-mail Resume:

Michael Heineman, Meta-Find, Inc.;
P.O. Box 610525, Bayside, NY, 11361;
Phone (212) 867-8100;
E-mail mikeh@meta-findny.com;
Web: www.meta-findny.com

**JOM is looking for volunteer
book reviewers for its
Book Review Program,
which publishes reviews of
recent materials science and
engineering publications on
the JOM web site.**

**Participants keep any book
they review, provided a
publication-quality review is
submitted in
a timely manner.**

If you'd like to participate,

- Go to www.tms.org/pubs/journals/JOM/review-request.html
- Read the review program guidelines and submit your request using the form provided
- If your request is approved, JOM will mail you the book
- Go to www.tms.org/pubs/journals/JOM/review-form.html to submit your review within 90 days

Questions?

Telephone (724) 776-9000, ext. 228
Fax (724) 776-3770 • E-mail jom@tms.org

**New Products
and Services**

World's Leading Manufacturer of
Engineered and Advanced
Materials Catalog:
americanelements.com