

**Positions Available**

**SENIOR RESEARCH AND  
DEVELOPMENT MATERIALS  
SCIENTIST  
US Synthetic Corporation**

US Synthetic Corporation, a dynamic, growing company located in Orem, Utah, has a current opening for a senior research and development materials scientist.

The selected candidate will develop an expert understanding of the fundamentals of polycrystalline diamond (PDC) and tungsten carbide behavior through study and experimentation. He/she will establish the role of individual components and their subsequent interaction during product use, and then report the findings and results to the research and development department.

Qualified candidates should have excellent verbal and written communication skills. Preference will be given to candidates who have a PhD degree in engineering and/or science, high pressure/temperature experience, and/or material science experience.

This is an unusual opportunity in the energy industry. USS offers a competitive salary and superior benefits which include profit sharing, stock program and fully-paid insurance.

Qualified candidates should submit resume to:

Human Resources  
US Synthetic Corporation  
1260 South 1600 West  
Orem, UT 84058  
Phone: 801-235-9001  
Fax: 801-235-9141

**ASSOCIATE MATERIALS SCIENTIST  
Ames Laboratory**

The Metallurgy and Ceramics research program of the Ames Laboratory is seeking an associate scientist to perform original research in the area of solidification microstructures. The associate scientist will develop theoretical models and design equipment necessary for experimental research; conduct experimental studies and carry out in-depth analysis of the results with existing models, or develop appropriate models to establish the new scientific ideas; disseminate the research findings through seminars, professional meetings, and publications; and develop interactive research programs in the area of solidification microstructure with other research groups locally, nationally, and internationally.

Position requires a PhD degree in materials science or related field. Theoretical and experimental research experience (may be concurrent with pursuit of PhD degree) in the field of solidification with a documented publication record is required. Salary commensurate with experience and education. Send cover letter, resume, plus the names, addresses, and telephone numbers (or e-mail addresses) to:

Ames Laboratory Human Resources  
105 TASF  
Iowa State University  
Ames, IA 50011

Application deadline of **January 31, 1998** or until position is filled.

*An EEO/AA employer.*

**FACULTY POSITION IN FRACTURE  
BEHAVIOR OF MATERIALS**

The Department of Materials Science and Engineering at **Lehigh University** has an opening for an assistant professor with expertise in the **fracture behavior of materials**. Although this tenure-track appointment is expected to be at the **assistant professor** level, exceptionally qualified **associate professor** candidates will be considered. The successful candidate must have a Ph.D. in a relevant field and experience in experimental and theoretical aspects of fracture behavior of materials. They must be able to conduct independent and cooperative research and **teach courses at the undergraduate and graduate level**. Position available **September 1, 1998**. Please send full resume and names of three referees by **February 15, 1998** to:

Professor Martin P. Harmer  
Chairman, Search Committee  
Materials Research Center  
Lehigh University  
5 East Packer Avenue  
Bethlehem, PA 18015-3195

*Lehigh University is committed to recruiting, retaining and tenuring women and minorities.*

E-mail classified ads to  
**Mary E. Kaufold**  
kaufold@mrs.org

**ASSOCIATE DIRECTOR  
Materials Research Society**

The Materials Research Society has an immediate opening for an Associate Director. Position of Director rank; reports to Executive Director.

The person filling this position will assist the Executive Director and Directors evaluate and improve current operations, implement new processes and technologies to better serve the materials science community and Society members, assist in developing strategic plans for future member services, assist in the professional development of staff members, and carry out special projects in a wide range of Society operations.

**Background/skill requirements:**

- Minimum 5 years management experience.
- Strong oral and written communication skills.
- Ability to understand business technology issues, particularly computers and communication systems.
- Good budgeting and spreadsheet skills.
- Strong orientation towards electronic systems for information processing and communication.

Background in a technical field, particularly some form of materials science, would be helpful but is not required.

**Application:**

The details of the requirements for the application packet are given in a special section of the MRS website, including information on salary provisions and basic information about the Materials Research Society. This website section includes an application form which must be downloaded by applicants and submitted as the cover sheet for all submissions; the URL is: <http://www.mrs.org/staffjobs/assocdir>

