Vannevar Bush Postdoctoral Associate Fellowship

Required Qualifications:
Ph.D. degree required in Aerospace Engineering and Mechanics or other appropriate engineering degree. Degree in the physical sciences (e.g., physics, chemistry), mathematics or computer science, may be considered if appropriate to the project.

Job Duties:

The successful candidate will do theoretical, computational or experimental research to support the Vannevar Bush Faculty Fellowship of Professor James. (For general information see http://www.aem.umn.edu/info/spotlight/James_Vannevar_Bush_Fellow.shtml)

Typically this will involve interdisciplinary research between mathematics, materials science and mechanics on the theory-guided discovery of new materials with interesting functional properties, often arising from phase transformations. Both atomistic and continuum methods are appropriate, but a very strong desire to work effectively in a deeply interdisciplinary group is non-negotiable. For more information on the research of this group see http://www.aem.umn.edu/~james/research/ >

A sub award of this research involves the synthesis of functional materials by the method of Hybrid Molecular Beam Epitaxy (HMBE), guided by theoretical/computational methods. Prospective postdoctoral fellows with particular interest in this area should contact directly Prof. Bharat Jalan (bjalan@umn.edu), CEMS. Experimental research is also performed in James' group, and persons with appropriate interests outside of HMBE should apply directly to this advertisement.

About the Department:

Department of Aerospace Engineering and Mechanics, College of Science and Engineering
See the departmental website: http://www.aem.umn.edu/ >

How to Apply:

Interested individuals should e-mail applications to Professor Richard James at: james@aem.umn.edu

In addition, applications are required to be submitted online Office of Human Resources at the University of Minnesota at: https://humanresources.umn.edu/content/find-job To view the posting, click on External Applicants, then key in Job Opening No. 331139:
To be considered for this position, please click the Apply button and follow the instructions. You will have the opportunity to complete an online application for the position and attach a cover letter and resume. After you complete step one of the application process, you will also need access your "My Job Applications" page and uploading the following required documents:

1) Cover Letter/Letter of Intent (Attention of Professor Richard James)
2) Resume/Curriculum Vitae
3) Transcripts for all degrees (or proof of degrees when transcripts are not available)
4) Contact information for 3 professional references

Application Deadline: Applications will be accepted until position is filled.

Diversity

The University recognizes and values the importance of diversity and inclusion in enriching the employment experience of its employees and in supporting the academic mission. The University is committed to attracting and retaining employees with varying identities and backgrounds.

The University of Minnesota provides equal access to and opportunity in its programs, facilities, and employment without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression. To learn more about diversity at the U: http://diversity.umn.edu.

Background Check Information

Any offer of employment is contingent upon the successful completion of a background check. Our presumption is that prospective employees are eligible to work here. Criminal convictions do not automatically disqualify finalists from employment.