



Notice of open Faculty Positions

Tenure-track positions in ceramic materials at the rank of Assistant Professor or Associate Professor at Washington State University

The School of Mechanical and Materials Engineering (MME) in the Voiland College of Engineering and Architecture (VCEA) at Washington State University invites applications from outstanding candidates for two full-time tenure-track positions at the rank of Assistant Professor or Associate Professor in Materials Science and Engineering.

Candidates with research interests in ceramic materials will be given the highest priority. One position will focus on experimental researchers, while the other will be on theoretical/modeling work. Experience in ceramic processing, powder processing, functionally graded materials, and ceramic coatings will be of significant interest for the experimental position. Expertise in the processing-structure-properties relationship in ceramics that operate in extreme thermomechanical conditions will be of significant interest. For the theoretical candidates, experience in data science or materials informatics methods to study materials will be of significant interest. Experience in Big data, machine learning, and high entropy materials will be a plus. Exceptional candidates with expertise in other areas of ceramic materials will also be considered.

MME currently has about 40 instructional faculty members, 900 undergraduate students, 90 Ph.D. students, and 20 MS students. The current annual extramural research expenditure in MME is about \$10 million.

It is expected that the successful candidate will, in collaboration with the current faculty, play a leading role in building interdisciplinary teams with substantial external research funding in the respective area and be an effective instructor for undergraduate and graduate classes in materials science and engineering. Candidates must show a record of scholarly and educational activities and accomplishments, demonstrating the potential to become an outstanding educators. Applicants must have an earned Ph.D. in materials science and engineering, ceramic engineering, metallurgy, or a related field by the employment start date; show a record of accomplishments to build a robust research program and excellent communication skills.

Application screening will start on September 30, 2022, and continue until the positions are filled. Applications should include a cover letter describing relevant experience, interest in the position; curriculum vitae; statements of research interests and teaching philosophy; and the names of five references with titles, addresses, business telephone numbers, and e-mail addresses. References will not be contacted without consent from applicants.

