

## Assistant Professor in Quantum Information Science and Engineering

The University of Washington's Materials Science and Engineering Department seeks candidates for a full-time faculty position with a nine-month service period in the area of Quantum Information Science and Engineering (QISE). The Department is seeking candidates at the level of Assistant Professor (tenure track) to begin as early as September 1, 2022. This position will specialize in making strong connections between materials sciences and engineering and quantum information, with the goal to achieve fundamental breakthroughs towards the design and fabrication of high-quality physical qubits.

The successful candidate is expected to develop and maintain a first-class research program following the core principles of QISE and materials science. The candidate will be part of the cluster hiring for the UW QISE initiative, and will work closely with faculties from Materials Science and Engineering, Physics, Computer Sciences, Electrical Engineering and other related disciplines to establish a strong leadership position in the science and technologies of quantum materials and quantum computation.

The successful candidate will be expected to provide innovative, high-quality teaching; to develop a high-impact federally funded research program of international repute; develop graduate courses in their areas of expertise and to contribute to the goals and missions of the department, college, and university.

The candidate is also expected to develop strong collaborations locally and nationally. UW is internationally known for its strength in quantum materials with multidisciplinary programs and centers supported by National Science Foundation, Department of Energy and Department of Defense. UW and MSE already has wide collaborations with leading industry and research institutes locally and across the nation, including Microsoft, Amazon, Intel, Boeing, and Pacific Northwest National Laboratory among many others.

The successful candidate will also be expected to create innovative and high-quality research and teaching programs that contribute to an inclusive and equitable campus environment. The College of Engineering and the MSE Department offer a highly collegial and collaborative culture, with broad interdisciplinary research ties across campus. We are building a culturally diverse faculty and encourage applications from women and minority candidates, individuals with disabilities, and people from other underrepresented or minoritized groups. We look forward to learning how the candidate's values, experiences, visions and plans for teaching, research, and service would support and enhance our commitment to diversity, equity, and inclusion.

The University of Washington, located in Seattle, is the heart of the high-tech Pacific Northwest, is one of the world's preeminent universities, ranking in the top 10 of US

News World Report ranking of Global Universities. The department currently consists of 21 active core teaching and research faculty, over 122 undergraduates and 168 graduate students. For more information on the department, please visit <https://mse.washington.edu/>.

### **Qualifications**

Candidates should hold a Ph.D. (or foreign equivalent) in Materials Science and Engineering or in a related field.

### **Application Instructions**

Applicants should include the following documents and information with their letter of application: A detailed resume, a list of publications, clear and concise statements of teaching, research interests and objectives (3 pages maximum), a diversity statement and the contact information of five referees. Priority review of applications will begin on December 1, 2021. Evaluation of applicants will continue until the position is filled. Questions about the details of this search or position should be directed to the search committee by email to Prof. Jun Liu ([jliuw1@uw.edu](mailto:jliuw1@uw.edu)).

**Apply at:** [apply.interfolio.com/95834](https://apply.interfolio.com/95834)

### **Equal Employment Opportunity Statement**

University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, creed, religion, national origin, sex, sexual orientation, marital status, pregnancy, genetic information, gender identity or expression, age, disability, or protected veteran status.

### **Commitment to Diversity**

The University of Washington is committed to building diversity among its faculty, librarian, staff, and student communities, and articulates that commitment in the UW Diversity Blueprint (<http://www.washington.edu/diversity/diversity-blueprint/>). Additionally, the University's Faculty Code recognizes faculty efforts in research, teaching and/or service that address diversity and equal opportunity as important contributions to a faculty member's academic profile and responsibilities (<https://www.washington.edu/admin/rules/policies/FCG/FCCH24.html#2432>).

### **COVID-19 Vaccine Requirements and Information**

Under Washington State Governor Inslee's [Proclamation 21-14.1](#), University of Washington (UW) workers must be fully vaccinated against COVID-19 and provide proof thereof, or receive a UW-approved medical or religious exemption. This requirement will be a condition of any offer associated with this recruitment. For more information, please visit <https://www.washington.edu/coronavirus/vaccination-requirement/>.