Open Rank Tenure-Track Faculty Position, Quantum Information Science and Engineering
The Ohio State University

Job Title	Open Rank Tenure-Track Faculty Position, Quantum Information Science and Engineering
Department	Electrical and Computer Engineering
Institution	The Ohio State University
	Columbus, Ohio
Date Posted	Oct. 25, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor
	Associate Professor
	Professor
Academic Field(s)	Electrical and/or Electronics
	Computer Engineering
Apply Online Here	https://osujoblinks.com/831x
Apply By Email	

Job Description

The Electrical and Computer Engineering (ECE) Department at The Ohio State University announces an opening for a tenure-track faculty hire in quantum information science and engineering. The appointment is at the rank of Assistant, Associate or Full Professor and is open to candidates using experimental and/or theoretical approaches relevant to quantum information science and engineering.

Position Overview

Applications are invited from candidates with world-class expertise in quantum information science and

engineering, which encompasses quantum computation, communication, and sensing. ***Areas of interest include materials, devices, circuits, algorithms, and quantum simulation.*** The department seeks to recruit a candidate with a vision to define future directions in quantum information systems. Successful candidates at all levels will have demonstrated world-class research, as evidenced by published work showing high impact in the field of quantum information. Applicants are expected to develop a productive, well-funded, and internationally prominent research program, and be passionate about educating the next generation of engineers in the area of quantum information science and engineering.

The successful candidate will benefit from collaboration with faculty and engage with centers across the university including Center for Quantum Information Science and Engineering (https://quantum.osu.edu) the Quantum Graduate Interdisciplinary Program (QuGIP), and Chicago Quantum Exchange (https://chicagoquantum.org/about/partners) where Ohio State is a regional partner.

The position is open to applicants who may require sponsorship for a visa or other work authorization.

Performance Objectives

- Contribute to research activities in the Electrical and Computer Engineering program and develop and maintain a nationally and internationally recognized externally funded research program in their technical fields.
- Teach and mentor students at both the undergraduate and graduate levels and supervise students and postdoctoral research.
- Participate in service to the university and the international research community.

Qualifications

Required:

- PhD or equivalent in Electrical and Computer Engineering, Physics, Materials Science and Engineering, or a related field.
- Strong commitment to teaching and mentoring commensurate with rank, and demonstrated by one or more of the following
    - experience teaching at the graduate and undergraduate levels
    - student and peer feedback on teaching effectiveness, awards for teaching
    - curricular and content development and innovations, textbook and course material development, pedagogical innovations
    - achievements of students advised, progress and graduation of graduate students advised

- Excellence in research, innovation, and creative output commensurate with rank, demonstrated by one or more of the following:
  - original and impactful contributions to the area of quantum information science and engineering
  - Publications in conferences and journals; patents or similar evidence of technological innovation; citations of published work and/or adoption of research results by industry and academia;
  - Evidence of research funding commensurate with rank
  - Evidence of collaboration with peers within and outside the institution
- Demonstrated commitment to building a culturally diverse intellectual community, in line with OSU's Shared Values (see below) and demonstrated by one or more of the following:
  - Leadership in organizations and events that demonstrably broaden participation in computing, especially among historically underrepresented groups
  - Creative pursuits that scale outreach activities, reduce underrepresentation, or foster equity in computing
  - A record of advising, mentoring, motivating, and impacting students from all backgrounds, including students from underrepresented groups
  - Certifications, awards, and professional development related to diversity and inclusion
- Evidence of excellence in internal and external service and leadership commensurate with rank, demonstrated by one or more of the following:
  - professional activities such as service on conference organizing and program committees, editorships, and reviewing, and reviewing of proposals for funding agencies
  - Invited talks, tutorials, or other professional presentations
  - Effective involvement in department, college, and university committees and initiatives

Desired:

- A commitment to interdisciplinary education and collaborative research
- A familiarity working with campus administrators and leaders
- A track-record of, and strong commitment to, cultivating an equitable, diverse, and inclusive environment, including in faculty and staff development, hiring, and student recruitment
- A history of engaging in industrial partnerships and external fundraising

How to Apply

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Please be aware that you will not be able to edit your application after you apply (this includes application materials). Once you start the application you will need to fill it out to completion and upload each of the items listed below.

To learn more and apply, please visit:https://osujoblinks.com/831x

Please include the following FOUR required application materials in the Application Documents section, found in the My Experience step (Step 2 of the application process):

- Attachment 1: Cover Letter: 1-2 page letter, which should include a brief summary of your academic background and why you are interested in this opportunity.
- Attachment 2: CV (Curriculum Vitae)/Resume: Detailed overview of your scholarly experience, including your research experience, teaching and mentoring experience, service, funding, and publications.
- Attachment 3: Teaching and Mentoring Statement: A statement of your approaches, experience and philosophy regarding your teaching, learning, and mentoring.
- Attachment 4: Research Statement: Summary of your past research accomplishments, current work/research, and proposal for your future research plan as a faculty member.

*See additional application material instructions here:*https://engineering.osu.edu/faculty-career-opportunities/application-materials-instructions#qist

A list of 3 references may be required, upon request.

Application Review:

Review of applications will begin by November 15, 2024.

For questions regarding this position, please contact Siddharth Rajan at rajan.21@osu.edu with the subject line "QISE 2024".

EEO/AA Policy

The Ohio State University is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to age, ancestry, color, disability, ethnicity, gender identity

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or expression, genetic information, HIV/AIDS status, military status, national origin, race, religion, sex, gender, sexual orientation, pregnancy, protected veteran status, or any other basis under the law.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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