

Open-Rank Tenured Faculty Position in Theoretical
Quantum Computing & Quantum Materials
Vanderbilt University

Direct Link: <https://www.AcademicKeys.com/r?job=262545>

Downloaded On: Sep. 16, 2025 1:43am

Posted Sep. 15, 2025, set to expire Jan. 28, 2026

Job Title	Open-Rank Tenured Faculty Position in Theoretical Quantum Computing & Quantum Materials
Department	Physics & Astronomy https://as.vanderbilt.edu/physics-astronomy/
Institution	Vanderbilt University Nashville, Tennessee
Date Posted	Sep. 15, 2025
Application Deadline	Open until filled
Position Start Date	Open until filled
Job Categories	Assistant Professor Associate Professor Professor
Academic Field(s)	Physics - Atomic/Molecular/Optical/Plasma Physics - General Computer/Information Sciences
Job Website	https://www.vanderbilt.edu/
Apply Online Here	https://apply.interfolio.com/172693
Apply By Email	
Job Description	

Vanderbilt University's Departments of Physics & Astronomy and Computer Science jointly invite applications for an open-rank tenured faculty position in the field of theoretical quantum computing and quantum materials. The primary research focus area will be *quantum materials by design*, emphasizing

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quantum computation, quantum optics, quantum sensing, and quantum information. The successful applicant will utilize and advance AI methodologies to tackle complex challenges in quantum system simulations and quantum computation. The search will be conducted jointly with the College of Connected Computing. Collaboration with quantum materials researchers from the College of Arts and Science and the School of Engineering, as well as computer and data scientists in the College of Connected Computing, is strongly encouraged. The candidate is also expected to pursue active partnership with the Quantum Computing Institute and Center of Nanophase Materials at Oak Ridge National Laboratory.

Applications should include:

1. Cover letter
2. a full curriculum vitae.
3. a research statement describing research highlights and future plans.
4. a teaching statement that addresses classroom instruction and mentorship of students and postdoctoral scholars.

These materials should be submitted directly to <https://apply.interfolio.com/172693>. Review of applications will begin November 15, 2025 and will continue until the position is filled. For questions regarding this posting please email: kalman.varga@vanderbilt.edu

Vanderbilt University is a private research university ranked in the top 20 nationally; its 330-acre park-like campus is located on the western edge of downtown Nashville, TN, known colloquially as Music City and consistently rated as one of the best cities in the US in which to live and work.

Qualifications

A Ph.D. in physics or closely related field. Applicants are expected to have demonstrated potential for excellence in research, professional leadership, teaching at both the undergraduate and graduate levels, and mentoring.

Application Instructions

Application materials required: Submit the following items through Interfolio at:

<https://apply.interfolio.com/172693> to complete your application: (1) a Cover Letter, (2) a complete CV including published works and preprints, (3) a Research Statement, and (4) a Teaching Statement.

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EEO/AA Policy

Vanderbilt University shall abide by the requirements of 41 CFR §§ 60-1.4(a), 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities and prohibit discrimination against all individuals based on their race, color, religion, sex, or national origin. Moreover, these regulations require that covered prime contractors and subcontractors provide equal employment opportunity without regard to race, color, religion, sex, national origin, protected veteran status or disability.

Contact Information

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

Contact Kalman Varga
Physics & Astronomy
Vanderbilt University
Nashville, TN

Contact E-mail kalman.varga@vanderbilt.edu