

Department of Physics, Virginia Tech

Tenure-Track Faculty Position in Theoretical Quantum Information Science

As part of plans to build on existing strengths, to expand our newly established Virginia Tech Center for Quantum Information Science and Engineering (VTQ), and to align with state-wide investments in data sciences and cybersecurity, the Department of Physics at Virginia Tech (<http://www.phys.vt.edu>) invites applications for a tenure-track Assistant Professor position in Theoretical Condensed Matter Physics and Quantum Information Science. Areas of interest include, but are not limited to, quantum information theory, quantum error correction, tensor networks, machine learning, quantum algorithms, quantum control, the interface of quantum information and many-body theory, non-equilibrium phases of quantum matter, quantum networks, and quantum sensing.

Applicants must hold a Ph.D. or equivalent in physics or a closely related field by date of hire and must have postdoctoral experience at the time of the appointment. The successful candidate will be expected to establish a vigorous and well-funded research program; teach effectively at the undergraduate and graduate levels; continue development of scholarly activities and professional capabilities; occasionally travel, for example, to attend professional conferences and present research seminars; and actively participate in department, college, and university governance.

Diversity, equity, and inclusion are core values at Virginia Tech and the College of Science. Our excellence can only be fully realized by faculty, students, and staff who share our commitment to these values. The Department of Physics seeks candidates whose research, teaching or service has prepared them to contribute to our commitment to diversity and inclusion in higher education.

Questions regarding the position may be directed to the chair of the Search Committee, Ed Barnes, at qis-search-g@vt.edu.

Candidates should apply at <http://jobs.vt.edu/> (#521988). The application package must include (i) a cover letter, (ii) curriculum vitae with publication list, (iii) a statement of ongoing and planned research, (iv) a brief description of teaching philosophy, and (v) a statement of any previous activities or future plans aimed at expanding diversity and/or mentoring of underrepresented groups, and how the applicant will further Virginia Tech's commitment to build a culturally diverse educational environment (<http://www.inclusive.vt.edu/>). Applicants should arrange for three letters of recommendation to be directly emailed to qis-search-g@vt.edu. Review of applications will begin on November 15, 2022, and will continue until the position is filled; to ensure full consideration, complete application packages and reference letters should be received by November 15, 2022. As part of the hiring process, the successful applicant must pass a criminal background check. The expected position starting date is August 10, 2023.

Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or veteran status, or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees or applicants, or on any other basis protected by law.

For inquiries regarding non-discrimination policies, contact the Office for Equity and Accessibility at 540-231- 2010 or Virginia Tech, North End Center, Suite 2300 (0318), 300 Turner St. NW, Blacksburg, VA 24061.

Individuals with disabilities desiring accommodations in the application process should please notify Ms. Jacqueline Woodyard, Department of Physics, (540) 231-7566 or call TTY 1-800-828-1120 prior to the application deadline.