Virginia Tech Department of Mathematics Faculty Position in Differential Equations

The Virginia Tech Department of Mathematics anticipates a tenure-track opening in the area of Differential Equations with a start date of August 10, 2023, at our Blacksburg, VA, campus. The successful candidate will have a strong background in the theory or applications of deterministic or stochastic ordinary or partial differential equations, including, but not limited to, regularity theory, well-posedness analysis, stability analysis, controllability analysis, dynamical properties of differential equations, parameter estimation, uncertainty quantification, mathematical modeling using deterministic or stochastic ordinary or partial differential equations, or applications of deterministic or stochastic ordinary or partial differential equations to fluid mechanics or dynamics, differential geometry, optimal control, calculus of variations, or the physical or life sciences. The successful candidate will have the opportunity to engage in interdisciplinary research, curriculum development, and/or outreach initiatives with other members of the Virginia Tech faculty.

Appointment as an Assistant Professor of Mathematics is anticipated, but exceptional senior candidates will be considered for positions of Associate Professor of Mathematics or Professor of Mathematics.

Job requirements include a Ph.D. in mathematics or a related field at the time of appointment and an active research program, or, for new Ph.D.'s, strong promise for developing an active research program. The successful candidate will be expected to establish a distinguished research program and to provide effective instruction and advising to a diverse population of undergraduate and graduate students. Additional responsibilities include: continuing development of professional capabilities and scholarly activities, including travel to attend conferences and meetings; curriculum development; participation in department, college, and university governance; and professional service. Position requires occasional travel to attend conferences and meetings.

The Mathematics Department is committed to building an inclusive community of mathematical scientists through programs and activities that are woven into the department's research, teaching, and outreach efforts. Our commitment is illustrated by programs such as our: Broadening Engagement and Participation in Undergraduate Research; Mathematics: Opportunities in Research and Education; and professional development activities organized by the Virginia Tech Chapter of the Association for Women in Mathematics, winner of the 2021 AWM Student Chapter Award for Scientific Excellence. Through undergraduates' supervised tutoring of local public school students and through the department's participation in the Commonwealth Cyber Initiative, the Mathematics Department introduces secondary school and community college students to opportunities in the mathematical sciences. The required teaching statement and the optional diversity statement that are part of our application process give candidates opportunities to bring to our attention their qualifications for and interest in contributing to efforts to diversify our discipline. Strong statements will demonstrate informed awareness of the rewards and challenges arising from efforts to provide equitable opportunities for all. Specific examples of experiences, activities, and plans will help us identify candidates who can support and extend our department's commitment to inclusive excellence. If a diversity statement will help us understand your potential to contribute, please submit a diversity statement. Especially if you choose not to submit a diversity statement, please include in your teaching statement a discussion of your philosophy of and experiences with mentoring and talent development, particularly as those activities pertain to the inclusion of people from groups traditionally underrepresented in math.

An online application is required. To apply, please visit www.jobs.vt.edu, select "Apply Now," and search by posting number 521835. Please include a cover letter, a CV, a research statement, a teaching

statement, and, if desired, a diversity statement as part of the online application. Each applicant should follow the instructions in the online application system to request that four references submit letters of recommendation, or letters can be emailed to de_search22@math.vt.edu . Additional information about position requirements and responsibilities can be found at the following url's. http://www.hr.vt.edu or https://www.math.vt.edu. The faculty handbook (at https://faculty.vt.edu/faculty-handbook.html) gives a complete description of faculty responsibilities. The successful candidate will be required to have a criminal conviction check. Questions about the search may be addressed to de_search22@math.vt.edu .

Applications received by October 31, 2022, will receive full consideration.

Virginia Tech is committed to supporting the success of its faculty members through policies that include the modification of duties, the extension of tenure clocks, mentoring, proposal-writing guidance, and dual-career accommodations, depending on individual circumstances. Interviewed candidates will meet with a work-life liaison for a confidential conversation about details of these policies.

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 notify Mr. Kevin Kish (kevink96@vt.edu, 540-231-6536) or call TTY 1-800- 828-1120 by October 31, 2022.