

## **Faculty position in cryptography / cryptanalysis**

The Virginia Tech Mathematics Department seeks to fill an open-rank tenure-track or tenured position in computational cryptography / cryptanalysis. Areas of interest include, but are not limited to, quantum and post-quantum cryptography, homomorphic encryption, cryptographic protocols, key management, classical or quantum cryptanalysis, or areas of mathematics directly applicable to cryptography / cryptanalysis. This search is part of a cluster that includes searches in quantum information and in various aspects of cybersecurity. The successful candidate will have opportunities to do research and curriculum development with colleagues in the Department of Mathematics, in the Hume Center for National Security and Technology ([www.hume.vt.edu](http://www.hume.vt.edu)), and in the Departments of Physics, Computer Science, and Electrical and Computer Engineering, among others.

These collaborations will be facilitated by the broad university initiative known as the Integrated Security Destination Area. To read about Destination Areas in general and Integrated Security in particular, go to the following url. <https://provost.vt.edu/destination-areas.html> Virginia Tech's Integrated Security Destination Area (ISDA) is focused on understanding and fostering a world in which individuals, institutions, and nations are secured by technology and social systems that follow ethical principles and promote values of social justice. Faculty working together in this area are bringing a transdisciplinary approach to the complex range of human and systems security challenges. Successful candidates will have the opportunity to engage in transdisciplinary research, curriculum, and outreach with other faculty working in the ISDA. Candidates with demonstrated experience in interdisciplinary teaching or research that aligns with the ISDA vision are particularly encouraged to apply.

An online application is required. To read application requirements and to apply, go to the following url. <https://listings.jobs.vt.edu/postings/80313> Applicants must submit a formal cover letter addressing scholarship interests and qualifications, a brief statement describing the applicant's interest in and experience working with diverse groups and underrepresented populations, brief statement of teaching philosophy/experience, brief statement of research interests/experience, a current curriculum vitae, and the names and contact information of three references who can assess the applicant's qualifications for this position. Inquiries concerning the position or application process should be directed to Amy Hogan, Assistant Provost for Leadership Initiatives, at [amyhogan@vt.edu](mailto:amyhogan@vt.edu). Review of applications will begin December 1, 2017.

Virginia Tech is an Equal Opportunity / Affirmative Action Institution. Because inclusion and diversity are core values at Virginia Tech, we seek a broad spectrum of candidates, including women, minorities, veterans, and people with disabilities. Virginia Tech is the recipient of a National Science Foundation ADVANCE Institutional Transformation Award and is committed to increasing the participation of women in academic science and engineering careers. Additionally, Virginia Tech is supportive in addressing the needs of dual-career couples.