



Faculty Position in Food Engineering

Position: Assistant Professor in Biological Systems Engineering

Responsibilities: The Department of Biological Systems Engineering (BSE) at Virginia Tech invites applications and nominations for a tenure-track faculty position in food engineering at the assistant professor rank (9 months, teaching and research). The Department's program in Bioprocess Engineering is dynamic and rapidly expanding, including faculty members who are conducting cutting edge research in biopharmaceuticals, renewable biofuels/biomaterials, metabolic engineering, agricultural and animal residue utilization, and synthetic biology. Now, the department is looking to expand the bioprocess engineering program into food engineering to take advantage of the thriving food industries in the Commonwealth of Virginia and the surrounding states. The program's research laboratories are located in a state-of-art, collaboration-friendly research building on the main campus. The BSE department is affiliated with two nationally ranked colleges: the College of Agriculture and Life Sciences (<https://www.cals.vt.edu/>) and the College of Engineering (<https://eng.vt.edu/>).

The successful candidate will have the ability to initiate, build, and sustain an externally funded research program that leverages the existing research strengths of the Bioprocess Engineering group in the department. The candidate will contribute to a strong academic experience for students, including teaching (and developing, as appropriate) undergraduate and graduate courses in food engineering, providing undergraduate research opportunities, and advising graduate students. All food engineering related areas will be considered, although we are particularly interested in the following areas:

- Food safety and biosensors
- Food processing operations and manufacturing technologies
- Metabolic engineering, enzyme engineering, and synthetic biology related to food
- Antibiotic resistant gene propagation and mutation in food and agricultural systems
- Evolution of new pathogens and viruses in food and agricultural systems
- Antimicrobial surfaces and new techniques to improve microbiological quality of food
- Nanotechnology for agricultural and food systems

Qualifications: PhD from all science and engineering disciplines with suitable research and teaching interests with at least one prior degree in engineering. Preferred Qualifications: Experience working in the food industry; Experience in teaching undergraduate or graduate courses; Demonstrable experience in applying for research grants or other funding for programmatic support; Record of peer-reviewed publications; Postdoctoral research experience.

Opportunities for Collaboration: We seek an individual interested in taking advantage of the excellent multidisciplinary research environment at Virginia Tech including opportunities in the Fralin Biotechnology Center, Institute for Critical Technology and Applied Science (ICTAS), Department of Food Science and Technology (FST), and Department of Human Nutrition, Foods, and Exercise (HNFE). This individual will have opportunities to establish close collaborations with faculty in FST and utilize the state-of-art facilities the department has to offer.



Screening Date: Review of applications will begin on January 15, 2019. Applications received by January 30, 2019 will receive full consideration, with the review process continuing until the position is filled. The expected starting date is Aug. 1, 2019.

Application Materials: Interested applicants should apply to Job Posting No. TR0180204 at <https://listings.jobs.vt.edu/postings/search>. Required Documents: Resume/Curriculum Vita, Cover Letter, and List of References.

Direct inquiries to: Dr. Robert (Bobby) Grisso
Professor and Interim Head
Biological Systems Engineering Department
Virginia Tech, 200 Seitz Hall
Blacksburg, VA 24061
Ph: 540-231-6615; Fax: 540-231-3199
E-mail: rgrisso@vt.edu

For additional information see <https://www.bse.vt.edu/>

Virginia Tech, a land-grant university of the Commonwealth, has a student enrollment of approximately 32,000 and is located in the beautiful town of Blacksburg, which is ranked as one of the best places to live in the United States (<https://vt.edu/campus-life/discover-blacksburg.html>). Virginia Tech is also committed to creating a welcoming and supportive environment for all faculty members to ensure their success in academia.

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.

If you are an individual with a disability and desire accommodation please contact the hiring department or contact University ADA Services <http://oea.vt.edu/ada-accessibility-services.html> with any questions.