



Villanova University
**Mechanical
Engineering**



Tenure-Track Faculty Position in Dynamics and Control in the Department of Mechanical Engineering at Villanova University

The Department of Mechanical Engineering at Villanova University has an opening for a tenure-track faculty position in the area of dynamics and control. The department has established research strengths in mobile robotics, autonomous systems, machine learning, and nonlinear dynamics and control. Candidates are expected to complement and strengthen existing department research or develop new high-impact research directions.

The primary responsibilities of the successful candidate include developing and sustaining a vibrant research program, collaborating with faculty in the Center for Nonlinear Dynamics and Control (CENDAC) and the Villanova Center for Analytics of Dynamic Systems (VCADS), and teaching and developing undergraduate and graduate courses. Required are a Ph.D. in Mechanical Engineering or a closely related field, a proven ability for high quality research, and a demonstrated commitment to teaching excellence and innovation. The position starts in August 2020.

Villanova is a Carnegie-classified doctoral university and the Mechanical Engineering faculty are internationally recognized for their research achievements. The university is located 12 miles from Philadelphia along the historic Main Line. The department has 22 full-time faculty members, approximately 300 undergraduate students, and 150 graduate students (including 40 Ph.D. students). We are committed to providing a rigorous educational experience in the discipline of mechanical engineering, graduating well-rounded leaders and life-long learners, who aspire to achieving professional excellence. We are equally committed to the discovery, dissemination, advancement and application of cutting-edge research. Inspired by the Augustinian-Catholic tradition, we value an inclusive and diverse community in which we prepare our students to demonstrate the highest ethical conduct and contribute to the well-being of humankind.

Villanova is a Catholic university sponsored by the Augustinian order. Diversity and inclusion have been and will continue to be an integral component of Villanova University's mission. The Department of Mechanical Engineering and the College of Engineering are deeply committed to work-life balance and family-friendly programs for our faculty. The successful faculty candidate will have opportunities to participate in impactful activities on the Villanova campus such as a new NSF ADVANCE center for women in STEM leadership. The University is an Equal Opportunity/ Affirmative Action employer and seeks candidates who understand, respect, and can contribute to the University's mission and values.

Interested candidates should submit their application online at <http://jobs.villanova.edu>. Application materials should include a cover letter, CV, research philosophy, teaching philosophy, and the names of three references. The review process will begin immediately and will continue until the position is filled.