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Tenure-Track Faculty Position in Thermal Fluids Science Department of Mechanical Engineering Villanova University

The Department of Mechanical Engineering at Villanova University has an opening for a tenure-track faculty position in thermal-fluids science. We invite applications from outstanding candidates with expertise in all areas of thermal-fluids science including but not limited to, renewable and sustainable energy, biomedical engineering, and advanced manufacturing applications. The integration of artificial intelligence into research plans is a plus. The appointment begins in August 2024.

We seek candidates with 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. Primary responsibilities include developing a vibrant funded research program, collaborating nationally and internationally and with faculty in our core strength area of thermal-fluids science, mentoring doctoral, masters, and undergraduate research students, teaching and developing thermal-fluids undergraduate and graduate courses, and engaging in impactful service.

The Mechanical Engineering department has 24 full-time faculty members, more than 300 undergraduate students, and over 125 graduate students, including 58 Ph.D. students. Faculty in the department are internationally recognized for their research achievements. The department hosts three research centers, including the NSF I/UCRC in Energy-Smart Electronic Systems and the Villanova Center for Analytics of Dynamic Systems. Research in the department and the College of Engineering is poised for further growth with the completion of a 150,000 sq. ft. expansion to the Center for Engineering Education and Research (CEER) in the summer of 2024.

The department is 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. 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 University has established the VISIBLE initiative, supported by an NSF ADVANCE institutional transformation grant, that is enabling a culture of belonging and equity for all faculty.

Villanova is a Catholic university sponsored by the Augustinian order. From its founding in 1842 to its position today as a nationally recognized leading university, Villanova University has forged a path of academic excellence. 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. Villanova is located 12 miles from Philadelphia along the historic Main Line.

Please submit your applications at: jobs.villanova.edu. Application materials should include a cover letter, CV, transcripts, research philosophy, teaching philosophy, and the names of three references. The review process will begin immediately and will continue until the position is filled.