



## Tenure Track Mechanical Engineering Faculty Position – Villanova University

### COMPUTATIONAL FLUID DYNAMICS

The Department of Mechanical Engineering at Villanova University has an opening for a tenure-track faculty position in the area of fundamental computational fluid dynamics (CFD) theory, with a focus on incorporating new physics-based models. Areas of interest for CFD applications include electronics thermal management, biotransport, interfacial phenomena, and phase change processes. The primary responsibilities include developing a vibrant funded research program, collaborating with faculty in our core strength area of thermal-fluids sciences, teaching and developing undergraduate and graduate courses in thermal-fluids, and contributing to the modernization of the thermal-fluids curriculum.

Villanova is a Carnegie-classified doctoral university and the Mechanical Engineering faculty are internationally recognized for their research achievements. The department has 22 full-time faculty members, approximately 350 undergraduate students, and 150 graduate 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. The university is located 12 miles from Philadelphia along the historic Main Line. From its founding in 1842 to its position today as a nationally recognized leading university, Villanova University has forged a path of academic excellence.

#### Minimum Requirements:

Required are a PhD in Mechanical Engineering or a closely related field, a proven ability for high level research, and a demonstrated commitment to teaching excellence and innovation. The position starts Aug. 22, 2018.

#### Materials:

Application materials should include a cover letter, CV, transcript, research philosophy, teaching philosophy and the names of three references. The review process will begin immediately and will continue until the position is filled.

To apply visit: <http://jobs.villanova.edu>.

*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 University is an Equal Opportunity/ Affirmative Action employer and seeks candidates who understand, respect and can contribute to the University's mission and values.*