**Faculty Position in Mechanical Engineering**

The Department of Mechanical Engineering (ME) and the School of Engineering and Applied Sciences (SEAS), at the University of the District of Columbia in Washington, DC is pleased to invite applications for a tenure-track faculty position at the rank of Assistant Professor; however, those with commensurate experience will be considered at the rank of Associate Professor. The position start date could be as soon as January 2023. Our program was recently named the 2020 BEST Affordable Mechanical Engineering Degree Program nationally (<https://affordableschools.net/15-of-the-most-affordable-bachelors-degrees-in-mechanical-engineering/>). The ME department has the following four main research areas: Energy Science, Advanced Manufacturing, Materials & Nanotechnology, and Biomedical Engineering. We have established laboratories in the areas of Metal Additive Manufacturing, Biomechanical & Rehabilitation Engineering, Nanoscale Heat Transfer, Microscopy and Device Characterization, and Nano/Microfabrication Technology with a class-1000 cleanroom. Successful applicants will have the opportunities to develop their own innovative research program and collaborate with other faculty members within the SEAS to develop cross-disciplinary research. The department will consider candidates in all areas of the mechanical engineering discipline; however, a particular emphasis will be placed on:

• Fluid mechanics

• Thermodynamics

• Heat transfer

• Design of energy systems

• Renewable energy (e.g., solar and fuel cells)

• Robotics and engineering mechanisms

• Machine design

The University of the District of Columbia (UDC) is an urban land-grant institution and is classified as a Historically Black College and University (HBCU). UDC is the only public university in Washington, DC and it aims to offer a comprehensive, quality post-secondary education that is affordable to DC residents at the certificate, associate, baccalaureate, and graduate levels. Within SEAS, ABET-accredited programs are offered in Biomedical Engineering, Civil Engineering, Computer Science and Information Technology, Electrical Engineering and Computer Engineering, and Mechanical Engineering along with graduate programs in the aforementioned disciplines. The students from the School of Engineering and Applied Sciences have won national design competitions and obtaining internships and positions with prestigious employers such as NASA, Lockheed Martin, Intel, Apple, Amazon and area defense contractors. UDC is located within a 30-mile distance from the Naval Research Laboratory, Army Research Laboratory, National Institute of Standards and Technology (NIST), National Institute of Health (NIH), NASA and hundreds of technology-focused private and government organizations.

Candidates must hold a doctoral degree in Mechanical Engineering and possess strong research and teaching credentials. Successful candidates are expected to demonstrate a commitment to engineering education, scholarship, externally funded research and service to the ME Department’s programmatic needs. Candidates with ABET experience or practical engineering laboratory and experimentation background are highly desirable.

All applicants should submit the following materials in electronic format

AS A SINGLE PDF to [https://udc.applicantstack.com/x/detail/a2hbyxhygc4v](https://udc.applicantstack.com/x/detail/a2hbyxhygc4v%20) :

1. Curriculum Vitae (with a complete list of publications)
2. Statement of research interests
3. Statement of teaching philosophy
4. Names and contact information of three references

Review of applications will begin immediately and continue until the position is filled. The University of the District of Columbia is an Equal Opportunity/ Affirmative Action Employer. Women and underrepresented minorities are strongly encouraged to apply.

For any questions, please contact the Department and Search Committee Chair: Dr. Kate Klein at ([kate.klein@udc.edu](file:///C:\Users\kate.klein\Dropbox\CME%20Dept%20stuff\Faculty%20Candidate%20Resumes\2019.05_ME%20faculty%20search\Position%20Description\kate.klein@udc.edu)).