The Department of Mechanical Engineering at the University of Connecticut invites applications for two tenure-track or tenured faculty positions in the area of advanced and digital manufacturing, with a strong emphasis on scientific rigor. The two positions will be at the level of:

- Full professor, with a possibility of an endowed position and
- Assistant or Associate professor

We seek outstanding candidates to introduce novel directions, concepts and paradigms in how we make engineered devices, and complement the department’s existing strengths in design, manufacturing, and mechanics. The successful candidate will develop an internationally recognized research program built on solid scientific foundations, and exploit the frontiers in advanced design and manufacturing. Some areas of interest include, but are not limited to, additive manufacturing, autonomous manufacturing, design and manufacturing with composite and advanced materials, innovative process modeling and simulations, as well as computational design for manufacturing. Successful candidates will also be expected to broaden participation among members of under-represented groups; demonstrate through their research, teaching, and/or public engagement the richness of diversity in the learning experience; integrate multicultural experiences into instructional methods and research tools, etc.

The Mechanical Engineering Department at the University of Connecticut provides a vibrant, stimulating and supportive environment for exchanging ideas that advance the frontiers of knowledge. Our faculty have international stature in their fields recognized by prestigious awards, are engaged in ground breaking interdisciplinary research, and actively pursue a dynamic educational atmosphere for our students. Our department faculty are also engaged in research and development efforts under the UTC Pratt & Whitney Center of Excellence. The ME Department’s yearly research expenditures range between 5 and 7 million dollars. The School of Engineering and the University of Connecticut continue a momentum of unprecedented growth as evidenced by significantly increased research expenditures, and a 20-year state-funded $2.3B initiative to enhance the physical infrastructure as well as research and teaching activities. In response to transformative new partnerships with industry and a state-bonded $1.8B investment in STEM infrastructure and education at the University of Connecticut, the University expects to hire over 500 new faculty by 2023. Key developments driving this growth also include the establishment in 2013 of a General Electric Partnership for Advanced Materials, Pratt & Whitney Additive Manufacturing Innovation Center, Fraunhofer Center for Energy Innovation and UTC Institute for Advanced Systems Engineering.

The state is home to a large number of international, high technology companies. The University campus is located in a beautiful area of New England, with a moderate cost of living and proximity to major cultural, recreational and urban centers of the Northeast. The University community affords residents a rich diversity of cultural, athletic, artistic and historic experiences; affordable quality housing and top schools for faculty families.

Applications can be submitted through the University of Connecticut Employment Opportunities website (http://www.jobs.uconn.edu). Application packages should include a cover letter; curriculum vitae; teaching statement (including teaching philosophy, teaching experience, commitment to effective learning, concepts for new course development, etc.); research and scholarship statement (innovative concepts that will form the basis of academic career, experience in proposal development, mentorship of graduate students, etc.), as well as sample journal articles or books. Additionally names and contact information of five professional references should be emailed to sd-search@ engr.uconn.edu. Please reference search 2015279 on your application materials. Evaluation of applications will begin immediately and continue until the positions are filled.

For further information or questions, please send an email to sd-search@ engr.uconn.edu. The expected starting date is August 2015. The University of Connecticut is an Equal Opportunity, Affirmative Action employer and encourages underrepresented groups to apply for these positions.