

Assistant, Associate or Full Professor - Advanced  
Manufacturing  
University of Connecticut

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Posted Nov. 1, 2024, set to expire Mar. 1, 2025

<b>Job Title</b>	Assistant, Associate or Full Professor - Advanced Manufacturing
<b>Department</b>	The School of Mechanical, Aerospace, and Manufacturing Engineering <a href="https://mechanical-aerospace-manufacturing.engineering.uconn.edu/">https://mechanical-aerospace-manufacturing.engineering.uconn.edu/</a>
<b>Institution</b>	University of Connecticut Storrs, Connecticut
<b>Date Posted</b>	Nov. 1, 2024
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Aug. 23, 2025
<b>Job Categories</b>	Assistant Professor Associate Professor Professor
<b>Academic Field(s)</b>	Mechanical Engineering Manufacturing & Quality Engineering Aerospace/Aeronautical/Astronautics
<b>Job Website</b>	<a href="https://hr.uconn.edu/jobs">https://hr.uconn.edu/jobs</a>
<b>Apply Online Here</b>	<a href="https://hr.uconn.edu/jobs">https://hr.uconn.edu/jobs</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

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## INTRODUCTION

The School of Mechanical, Aerospace, and Manufacturing Engineering in the College of Engineering at the University of Connecticut invites applications for a full-time, 9-month, tenured/tenure-track faculty position at the Assistant, Associate, or Full Professor level focused on digital manufacturing with a strong emphasis on scientific rigor. Application areas include advanced manufacturing systems and IoT, intelligent automation and controls, physics-informed data science in manufacturing, computational fabrication, design and manufacturing of composites, and sustainable manufacturing. Candidates with demonstrable potential and/or a distinguished record of achievement will be considered at all ranks and in all areas related to advanced manufacturing, including bio-manufacturing.

The successful candidate will develop an internationally recognized and externally funded research program, will have demonstrated outstanding scholarly contributions in research as well as a passion for engineering education, and will be expected to develop and teach undergraduate and graduate courses in manufacturing.

Furthermore, successful candidates will also be expected to enhance inclusion and broaden participation among members of under-represented groups as demonstrated through their research, teaching, and/or public engagement; strengthen the richness of diversity in the learning experience; integrate multicultural experiences into instructional methods and research tools; and provide leadership in developing pedagogical techniques designed to meet the needs of diverse learning styles and intellectual interests.

The School of Mechanical, Aerospace, and Manufacturing Engineering in the College of Engineering, 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, have been recognized by prestigious awards, are engaged in groundbreaking interdisciplinary research, and actively pursue a dynamic educational atmosphere for our students. Our graduate program was ranked 16<sup>th</sup> among the ME programs in the US in terms of scholarly productivity with research expenditures of over 400k/active faculty. The school serves as a UTC Pratt & Whitney Center of Excellence, has \$60+M in active research grants, and has a student population comprised of over 170 graduate students and more than 900 undergraduate students. The school recently established the Army-sponsored DREAM Research Center, whose focus is on modeling and simulation, and many of our faculty are actively involved with the Navy-funded National Institute for Undersea Vehicle Technologies.

The College of Engineering continues a momentum of unprecedented growth, evidenced by

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significantly increased research expenditures, transformative new partnerships with industry, and a state-bonded \$1.8B investment in STEM infrastructure and education at the University of Connecticut. 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, FEI Center of Excellence in Microscopy, Eversource Center for Energy Resiliency, and UTC Institute for Advanced Systems Engineering.

Founded in 1881, UConn is a Land Grant and Sea Grant institution and member of the Space Grant Consortium. It is the state's flagship institution of higher education and includes a main campus in Storrs, CT, four regional campuses throughout the state, and 13 Schools and Colleges, including a Law School in Hartford, and Medical and Dental Schools at the UConn Health campus in Farmington. The University has approximately 10,000 faculty and staff and 32,000 students, including nearly 24,000 undergraduates and over 8,000 graduate and professional students. UConn is a Carnegie Foundation R1 (highest research activity) institution, among the top 25 public universities in the nation. Through research, teaching, service, and outreach, UConn embraces diversity and cultivates leadership, integrity, and engaged citizenship in its students, faculty, staff, and alumni. UConn promotes the health and well-being of citizens by enhancing the social, economic, cultural, and natural environments of the state and beyond. The University serves as a beacon of academic and research excellence as well as a center for innovation and social service to communities. UConn is a leader in many scholarly, research, and innovation areas. Record numbers of undergraduate applications and support for student success have enabled the University to become extraordinarily selective.

## MINIMUM QUALIFICATIONS

1. Earned Ph.D. in mechanical engineering, aerospace engineering, industrial engineering, or manufacturing engineering by the time of appointment. Equivalent foreign degrees are acceptable.
2. A strong background and research interests closely related to the areas identified above.
3. A record of or demonstrated potential in scholarship and in establishing a successful, externally funded research program.
4. A proven record of commitment to excellence in teaching.
5. A commitment to enhance inclusion and broaden participation among members of under-represented groups as demonstrated through research, teaching, and/or public engagement, strengthen the richness of diversity in the learning experience, integrate multicultural experiences into instructional methods and research tools, and provide leadership in developing pedagogical techniques designed to meet the needs of diverse learning styles and intellectual interests.

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## PREFERRED QUALIFICATIONS

1. Demonstrated outstanding scholarly contributions in research.
2. Passion for engineering education.
3. Experience in developing research grant applications to funding agencies.
4. Experience in conducting research in a competitive interdisciplinary research environment.
5. Ability to develop and teach undergraduate and graduate courses in manufacturing.

## APPOINTMENT TERMS

This is a full-time, 9-month, tenured/tenure-track faculty position at the Assistant, Associate, or Full Professor level with an anticipated start date of August 23, 2025. The successful candidate's academic appointment will be at the Storrs campus. Faculty may also be asked to teach at one of UConn's regional campuses as part of their ordinary workload. Salary and rank will be commensurate with qualifications and experience.

## TERMS AND CONDITIONS OF EMPLOYMENT

Employment of the successful candidate is contingent upon the successful completion of a pre-employment criminal background check.

## TO APPLY

Please apply online to UConn Jobs at <https://hr.uconn.edu/jobs> **Search #498717** to upload the following additional application materials:

- **A cover letter**
- **Curriculum vitae**
- **Research and scholarship statement** (innovative concepts that will form the basis of academic career, experience in proposal development, mentorship of graduate students, etc.)
- **Teaching statement** (including teaching philosophy, teaching experience, commitment to effective learning, concepts for new course development, etc.)
- **Commitment to diversity statement** (including broadening participation, integrating multicultural experiences in instruction and research and pedagogical techniques to meet the needs of diverse learning styles, etc.)
- Contact information for **5 references**.

Evaluation of applicants will begin immediately. For more information regarding the School of



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Mechanical, Aerospace, and Manufacturing Engineering please visit the school's website at <https://me.engr.uconn.edu/>. For further information or questions, please send an email to [victoria.cerwinski@uconn.edu](mailto:victoria.cerwinski@uconn.edu).

At the University of Connecticut, our commitment to excellence is complemented by our commitment to building a culturally diverse community.

This position will be filled subject the budgetary approval.

All employees are subject to adherence to the State Code of Ethics which may be found at <http://www.ct.gov/ethics/site/default.asp>.

### **EEO/AA Policy**

*All members of the University of Connecticut are expected to exhibit appreciation of, and contribute to, an inclusive, respectful, and diverse environment for the University community.*

*The University of Connecticut aspires to create a community built on collaboration and belonging and has actively sought to create an inclusive culture within the workforce. The success of the University is dependent on the willingness of our diverse employee and student populations to share their rich perspectives and backgrounds in a respectful manner. This makes it essential for each member of our community to feel secure and welcomed and to thoroughly understand and believe that their ideas are respected by all. We strongly respect each individual employee's unique experiences and perspectives and encourage all members of the community to do the same. All applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.*

*The University of Connecticut is an AA/EEO Employer.*

### **Contact Information**

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

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