

UMass Amherst MIE Faculty Search
Assistant Professor - Healthcare Engineering and Analytics

POSITION: The Department of Mechanical and Industrial Engineering is seeking a tenure-track faculty member at the assistant professor level in the area of Healthcare Engineering and Analytics. Special consideration will be given to candidates who can contribute to cross-disciplinary research programs in healthcare, nursing, artificial intelligence, data science, and socially-engaged systems engineering.

STARTING DATE: The appointment is expected to begin September 1, 2022.

REQUIREMENTS AND QUALIFICATIONS: The successful candidate should have earned a Ph.D. in Healthcare Engineering, Industrial Engineering, Systems Engineering or related fields by August 31, 2022. The candidate must have a commitment to socially-engaged systems engineering; the interest and ability to teach at both the undergraduate and graduate levels; supervise graduate students and postdoctoral fellows; contribute significantly to the advancement of science and engineering and develop a nationally recognized program of sponsored research.

As a campus with an increasingly diverse student body, we are looking for candidates who can operate effectively in a diverse faculty and student community, and who value collegiality, collaboration, achievement, and integrity. We encourage applications from individuals with a commitment to mentor under-represented demographics within engineering. We are committed to helping all constituents reach their full potential, creating best-in-practice operations to support faculty scholarship and fostering excellence in student experiences inside and outside our department.

DEPARTMENT, UNIVERSITY AND COMMUNITY: The Department of Mechanical and Industrial Engineering has 36 full-time faculty members, over 160 graduate students, and over 750 undergraduates. Research expenditures exceeded \$5.5 M in the last fiscal year. The Department has a long history of successful interdisciplinary research, including the newly formed Center for Nursing and Engineering Innovation, Center for Personalized Health Monitoring, Transportation Center, Wind Energy Center, and Center for e-Design.

The College of Engineering is ranked as the best public engineering college in New England. The Fall 2020 enrollment included 2,285 undergraduate and 599 graduate students. Research expenditures exceeded \$60.5 M in the past year and the College is host to 14 research centers. The College has an excellent record of developing new faculty with 12 of our current faculty members receiving prestigious NSF CAREER awards in just the last three years.

APPLICATION PROCESS: Candidates should provide the following in their application package addressed to Professor Chaitra Gopalappa, Search Chair. For full consideration, applications should be received by **January 15, 2022** and applications submitted after this date may be reviewed until the search is completed.

- Cover letter that lays out your interest in this position and why you are a good fit.
- Statement of research outlining your accomplishments briefly, focusing on your future plans and potential fit at UMass Amherst.
- Statement of teaching, including your teaching philosophy and potential courses you might offer at the undergraduate and graduate levels.
- Statement about equity, diversity and inclusion as they relate to the faculty role in teaching, research and/ or service. Specifically, the search committee is looking for indicators of commitment to diversity, equity and inclusion and the different ways this might be demonstrated, such as in research and scholarship, teaching, mentorship, service and engagement, skill building and personal growth, and personal background experiences.
- Current curriculum vitae.
- Full contact information for THREE references.

To view the full position description and application, please visit the following site: <https://careers.umass.edu/amherst/en-us/job/510676/assistant-professor-mechanical-and-industrial-engineering>

UMass Amherst is committed to a policy of equal opportunity without regard to race, color, religion, gender, gender identity or expression, age, sexual orientation, national origin, ancestry, disability, military status, or genetic information in employment, admission to and participation in academic programs, activities, and services, and the selection of vendors who provide services or products to the University. To fulfill that policy, UMass Amherst is further committed to a program of affirmative action to eliminate or mitigate artificial barriers and to increase opportunities for the recruitment and advancement of qualified minorities, women, persons with disabilities, and covered veterans. It is the policy of the UMass Amherst to comply with the applicable federal and state statutes, rules, and regulations concerning equal opportunity and affirmative action.