

Assistant Professor, Mechanical Engineering Artificial
Intelligence Mechanical and Materials Design
Binghamton University

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Posted Dec. 18, 2024, set to expire Apr. 20, 2025

Job Title Assistant Professor, Mechanical Engineering Artificial Intelligence
Mechanical and Materials Design

Department Mechanical Engineering
<https://www.binghamton.edu/mechanical-engineering/index.html>

Institution Binghamton University
Binghamton, New York

Date Posted Dec. 18, 2024

Application Deadline Jan. 20, 2025

Position Start Date Fall 2025 or Spring 2026

Job Categories Assistant Professor

Academic Field(s) Mechanical Engineering

Apply Online Here <https://binghamton.interviewexchange.com/jobofferdetails.jsp?JOBID=183794>

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Job Description

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About Binghamton University:

Binghamton University is a premier public R1 research institution in the State University of New York (SUNY) system that unites more than 130 broadly interdisciplinary educational programs with some of the most vibrant research in the nation. Our unique character - shaped by our mission, outstanding academics, facilities, and community life - promotes extraordinary student success, research, and service; Binghamton University is where our students, faculty and staff thrive.

Working at Binghamton University is more than about having a great job - it is about having the opportunity to flourish in an exciting, engaging environment. Our faculty and staff appreciate Binghamton's collegial and inclusive culture and its commitment to excellence, education, innovation, and civic engagement. Our diverse campus community contributes to our success.

Binghamton merges rigorous academics, distinguished faculty who value cutting-edge, and community-engaged research, teaching and service, exceptional staff, and ultramodern facilities to engage and challenge its 18,000+ students. Our high-achieving student body represents diverse experiences from first-generation college-goers to international students. Beyond their talent, these classmates share a desire to shape the future through technology, insight, intellectual exploration, and community service.

Job Description:

The Department of Mechanical Engineering at Binghamton University, State University of New York, invites applications for a tenure-track faculty position at the assistant professor level in Artificial Intelligence (AI) Enabled Mechanical and Materials Design. The position will begin in Fall 2025 or Spring 2026. Applicants are sought with a strong background and track record at the intersection of AI and mechanical engineering subfields including generative design, advanced materials, and solid mechanics. Application areas include, but are not limited to, design of advanced materials and structures, AI-based materials discovery and design, and materials informatics.

The Department of Mechanical Engineering has 27 faculty members, with undergraduate and graduate enrollments of approximately 450 and 130 students, respectively. The Department of Mechanical Engineering and the Watson College are dedicated to the goal of building a diverse and inclusive teaching, research, and working environment. Potential applicants who share this goal, especially underrepresented minorities, women and persons with disabilities, are strongly encouraged to apply. Additional information about the Mechanical Engineering Department at Binghamton University can be found online at: <http://www.binghamton.edu/me/>

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Requirements:

Candidates must have a PhD in Mechanical Engineering or a closely related field. The candidate will be expected to develop a research program capable of securing competitive external research funding. Candidates must also have a potential for quality teaching at both the undergraduate and graduate levels in mechanical engineering.

Application Instructions:

All applicants must apply using the university's applicant tracking system, Interview Exchange: <http://binghamton.interviewexchange.com/jobofferdetails.jsp?JOBID=183794>

Applicants should submit: (1) a cover letter, (2) curriculum vitae, (3) a statement of research plans, (4) a statement of teaching interests, and (5) a list of at least three professional references. Applications received by January 20, 2025, will receive full consideration. The search will remain open until appointments have been made.

The State University of New York and Binghamton University are equal opportunity employers. All qualified applicants are encouraged to apply. Watson College is dedicated to the goal of building a diverse and inclusive teaching, research, and working environment. We are particularly interested in candidates with a commitment to diversity and inclusiveness. Historically underrepresented minorities, women, persons with disabilities, and veterans, are strongly encouraged to apply.

EEO/AA Policy

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It is the policy of Binghamton University to provide for and promote equal opportunity employment, compensation, and other terms and conditions of employment without discrimination on the basis of age, race, color, religion, disability, national origin, gender, sexual orientation, veteran or military service member status, marital status, domestic violence victim status, genetic predisposition or carrier status, or arrest and/or criminal conviction record unless based upon a bona fide occupational qualification or other exception.

Additional Information:

Binghamton University is committed to providing access, equal opportunity, and reasonable accommodation for individuals with disabilities in employment, its services, programs, and activities. To request reasonable accommodation to participate in the job application or interview process, contact: Ada Robinson-Perez, ADA Coordinator email: arobins@binghamton.edu.

The State University of New York is an Equal Opportunity/Affirmative Action Employer. It is the policy of Binghamton University to provide for and promote equal opportunity employment, compensation, and other terms and conditions of employment without discrimination on the basis of age, race, color, religion, disability, national origin, gender identity or expression, sexual orientation, veteran or military service member status, marital status, domestic violence victim status, genetic predisposition or carrier status, or arrest and/or criminal conviction record unless based upon a bona fide occupational qualification or other exception.

As required by title IX and its implementing regulations, Binghamton University does not discriminate on the basis of sex in the educational programs and activities which it operates. This requirement extends to employment and admission. Inquiries about sex discrimination may be directed to the University Title IX Coordinator or directly to the Office of Civil Rights (OCR). Contact information for the Title IX Coordinator and OCR, as well as the University's complete Non-Discrimination Notice may be found [here](#).

Pursuant to Executive Order 161, no State entity, as defined by the Executive Order, is permitted to ask, or mandate, in any form, that an applicant for employment provide his or her current compensation, or any prior compensation history, until such time as the applicant is extended a conditional offer of employment with compensation. If such information has been requested from you before such time, please contact the Governor's Office of Employee Relations at (518) 474-6988 or via email at info@goer.ny.gov.

Binghamton University is a tobacco-free campus effective August 1, 2017.

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Contact Information

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

Contact Elizabeth Kucharek
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