# Full Professor in AI/Data Science/Controls in BME
# Binghamton University

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| **Job Title** | Full Professor in AI/Data Science/Controls in BME |
| **Department** | Biomedical Engineering |
| | https://www.binghamton.edu/biomedical-engineering/index.html |
| **Institution** | Binghamton University |
| | Binghamton, New York |
| **Date Posted** | Oct. 21, 2024 |
| **Application Deadline** | Open until filled |
| **Position Start Date** | Jan. 4, 2025 |
| **Job Categories** | Professor |
| **Academic Field(s)** | Computer Engineering |
| | Bioengineering (all Bio-related fields) |
| **Apply Online Here** | https://binghamton.interviewexchange.com/jobofferdetails.jsp?JOBID=181981 |
| **Apply By Email** | |
| **Job Description** | |

As part of the strategic plan to expand biomedical and health science research in emerging fields, the

Department of Biomedical Engineering at Watson College, Binghamton University (BU), State University of New York (SUNY) invites applications for a tenured faculty position at the full Professor level, with an expected start date as early as January 4, 2025.

BU is ranked one of the top 40 and a premier R1 public research university. University's direct impact on the regional economy has reached $1.2 billion in recent years. The recent $113 million research award from the Economic Development Agency (EDA) further catalyzes and fosters knowledge transfer and partnerships across industries and academia to advance technology development and innovation in science and engineering and the $160 million NSF ENGINE grant helps the university to build ecosystems for science discovery and technology advancement. The university attracts outstanding students and award-winning faculty including 2019 Nobel Laureate Dr. Stanley Whittingham who are partners in active discovery. The Department has recently launched a $1.6 million workforce training program partnered with the School of Management to develop a Biomanufacturing Project Management Certificate Program funded by BioMADE.

We are seeking an exceptional and well-established biomedical engineer who has outstanding track records in funding, scholarship, teaching, and service. We seek applications from candidates in all areas of biomedical engineering; however, we are particularly interested in the following areas: **AI/Data Science/Controls in Biomedical Engineering** (brain-computer interface, computer vision, machine learning, digital pathology, biomedical big data, cell/tissue/organ atlas, biorobotics, AI-empowered cell biomanufacturing, and tissue biofabrication, etc.) Candidates with a demonstrated commitment to diversity and inclusiveness are preferred.

The candidate will be expected to lead efforts to broaden the university's Road Map Initiative in the Transdisciplinary Area of Excellence in Health Science (https://binghamton.edu/tae/). The Department is particularly strong in advanced biomanufacturing, stem cells, tissue engineering/regenerative medicine, nanomedicine, cardiovascular engineering, biomaterials, organ-on-a-chip, wearable biosensors, and biomechanics. The BME Department is the home of the Center of Biomanufacturing for Regenerative Medicine (CBRM). The Department has recently formed a joint Institute for Regenerative Medicine with the Upstate Medical University. The Department hosts a NIST PREP postdoc and graduate training program in standards and technology. The candidate will be expected to develop a plan that synergizes our strategic partnership with the School of Pharmacy and

Pharmaceutical Sciences, Upstate Medical University, and CBRM. The Southern Tier has received a $500 million Upstate Revitalization Initiative (URI) award from New York State. The new hires will be expected to strategically contribute to this program. For more information, please visit our website at: https://www.interviewexchange.com/candshortlist.jsp?JOBID=181981

**Requirements/Qualifications:**

Candidates must have a PhD degree in biomedical engineering or a closely related discipline. The successful candidate will receive a comprehensive startup package including competitive salary compensation and benefits commensurate with qualifications and experience. Interested candidates should submit an application package, including a cover letter, curriculum vitae, a statement of research interests, a statement of teaching interests, a statement of your contribution to diversity, and names and contact information of three professional references to: https://binghamton.interviewexchange.com/jobofferdetails.jsp?JOBID=181981

**Additional Information:**

The State University of New York is an Equal Opportunity/Affirmative Action Employer. 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 in 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.

**Application Instructions:**

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Applicants should submit one document that includes:

- cover letter
- curriculum vitae
- statement of research interest
- statement of teaching interest
- statement of your contribution to diversity
- names and contact information of five references

Send to: https://binghamton.interviewexchange.com/jobofferdetails.jsp?JOBID=181981

**EEO/AA Policy**

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.

**Contact Information**

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

**Contact**    Christina Wood
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