

**Research Associate
Worcester Polytechnic Institute**

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Posted Nov. 24, 2021, set to expire Mar. 22, 2022

Job Title	Research Associate
Department	
Institution	Worcester Polytechnic Institute Worcester, Massachusetts
Date Posted	Nov. 24, 2021
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Robotics
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Job Description

JOB TITLE Research Associate LOCATION Worcester DEPARTMENT NAME Robotics Engineering - NFR JMDIVISION NAME Worcester Polytechnic Institute - WPI JOB DESCRIPTION SUMMARY Perform research and other duties in new haptic soft robotic gloves with integrated flexible and stretchable electronics. WPI is passionate about creating an inclusive workplace that promotes and values diversity. We are looking for candidates who can support our commitment to equity, diversity and inclusion. JOB DESCRIPTION The postdoctoral research associate will perform research on:

reliably integrating flexible electronics and stretchable sensors and traces onto stretchable textiles to realize a comfortable soft robotic haptic glove that accurately tracks the motions of fingers, palm, lower and upper arm in real time
fabricating haptic muscles that can be actuated by low pressure and volumes of air, enabling fine force feedback and a small portable air compressor.
software and control challenges and machine learning approaches to improving teleoperation and training through a robotic testbed.

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The postdoctoral associate will be responsible for performing research, writing journal articles and conference papers based on the results, helping supervise students performing relevant research, and assisting with reporting and proposal writing. Please apply with a CV and cover letter. WPI requires employees to be fully-vaccinated for COVID-19. For additional information on WPI's response to COVID-19, refer to <https://www.wpi.edu/we-are-wpi> FLSA STATUS United States of America (Exempt) WPI is an Equal Opportunity Employer. All qualified candidates will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, national origin, veteran status, or disability. We are seeking individuals with diverse backgrounds and experiences who will contribute to a culture of creativity and collaboration, inclusion, problem solving and change making. To apply, visit: https://wpi.wd5.myworkdayjobs.com/en-US/WPI_External_Career_Site/job/Worcester/Research-Associate_R0001579 About WPI WPI is a vibrant, active, and diverse community of extraordinary students, world-renowned faculty, and state of the art research facilities. At WPI, we have competitive and comprehensive benefits, including health insurance, long-term care, retirement, tuition assistance, flexible spending accounts, work-life balance and much more. Diversity & Inclusion at WPI WPI is committed to creating an inclusive workplace where everyone feels valued and respected; a place where every student, faculty and staff member can be themselves, so that they can study, live, and work comfortably, to reach their full potential, and make meaningful contributions in order to meet departmental and institutional goals. WPI thrives on innovative practice and welcomes diverse perspectives, insight, and people from diverse lived experiences, to enhance the community environment and propel the institution to the next level in a competitive, global marketplace. jeid-88bf55bcb8fa3a49b0e7dc1bcadb8fee

Contact Information

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

Contact

N/A

Worcester Polytechnic Institute