# Assistant Research Professor in Applied Mathematics
## Worcester Polytechnic Institute

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| **Job Title** | Assistant Research Professor in Applied Mathematics |
| **Department** | Mathematical Science |
| **Institution** | Worcester Polytechnic Institute |
| | Worcester, Massachusetts |
| **Date Posted** | Dec. 16, 2024 |
| **Application Deadline** | Open until filled |
| **Position Start Date** | Available immediately |
| **Job Categories** | Assistant Professor |
| **Academic Field(s)** | Mathematics/Applied Mathematics |
| **Apply Online Here** | https://apptrkr.com/5865767 |
| **Apply By Email** | |

**Job Description**


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**JOB TITLE**
Assistant Research Professor in Applied Mathematics

**LOCATION**
Worcester

**DEPARTMENT NAME**
Mathematical Science Department

**DIVISION NAME**
Worcester Polytechnic Institute - WPI

**JOB DESCRIPTION SUMMARY**

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The Department of Mathematical Sciences at Worcester Polytechnic Institute (WPI) seeks applicants for an Assistant Research Professor in Applied Mathematics focused on waves in fluids. The main goals of research are in the mathematical modeling and theory of water waves, as well as scientific computing. WPI is a diverse campus of learners 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**

This one-year research position is housed in the Department of Mathematical Sciences within the research projects of Prof. Andre Nachbin. One project concerns water waves on graphs, as in branching channels, and another concerns wave-particle systems in connection with a bouncing droplet and its hydrodynamic pilot-wave.

The successful candidate is expected to have experience in the potential theory for water waves, or other water wave models. Familiarity with reduced (asymptotic) modeling is welcome. Experience with numerically solving partial differential equations is a plus.

The Department of Mathematical Sciences has an extensive research program, in areas which include Analysis, Financial Technology and Operations Research, Fluid Dynamics, Mechanics, Mathematical Modeling, and Computation in Life Sciences, Mathematical/Quantitative Finance, Mathematics of Materials Science, Numerical Analysis, Partial Differential Equations, Probability, Scientific Machine Learning, and Stochastic Analysis.

WPI's reputation as a rigorous and innovative university rests on the shoulders of its faculty. A highly selective, private technological university and one of the nation's first, WPI believes that when great minds work together, great advances follow. At WPI the boundaries to multidisciplinary collaboration are low. Faculty members, students, and other partners work together on the real-world projects and purposeful research that are hallmarks of the WPI experience. WPI is consistently ranked among the top 70 research institutions by US News & World Report. Located one hour west of Boston, the university's campus is in Worcester, Massachusetts, a thriving 21st century college city recognized as a growing hub of scientific and technological innovation.

Qualified applicants should submit (1) a curriculum vitae, (2) a cover letter, and (3) contact information for at least three references. Review of applications will continue until the position is filled.

**FLSA STATUS**

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United States of America (Exempt)

**WPI is an Equal Opportunity Employer that actively seeks to increase the diversity of its workplace. 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. It seeks individuals with diverse backgrounds and experiences who will contribute to a culture of creativity, collaboration, inclusion, problem solving, innovation, high performance, and change making. It is committed to maintaining a campus environment free of harassment and discrimination.**

**To apply, visit:** https://wpi.wd5.myworkdayjobs.com/en-US/WPI_External_Career_Site/job/Worcester/Assistant-Research-Professor-in-Applied-Mathematics_R0003024

## 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.

### Contact Information

### Contact

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