The WPI Department of Mathematical Sciences invites applications for the Harold J. Gay Professorship. This is a senior position (with tenure) at the level of Professor or Associate Professor, to begin in the Fall of 2023. To promote research and visibility, the H.J. Gay Professorship has a reduced teaching load and is provided funds to run the H.J. Gay Lecture Series, which aims to bring top researchers from around the world to highlight milestones and contemporary trends in different areas of mathematics and statistics.

Interested candidates should apply on MathJobs at https://www.mathjobs.org/jobs/list/21669 and questions about the position should be directed to ma-chair@wpi.edu

We seek candidates whose research areas are complementary to research areas in the department, which include:

- Algebra and Discrete Mathematics
- Analysis
- Applied Mathematics (Fluid Dynamics, Mathematical Biology, Materials Science, Numerical Analysis, Probability, and Stochastic Analysis)
- Financial Mathematics
- Statistics (Bayesian Inference, Biostatistics and Bioinformatics, Compressed Sensing, Machine Learning, and Time Series)

The successful applicant will be an acknowledged international research scholar, with an exemplary track record in research, funding, and education. At WPI, we value contributions to the teaching mission of the department, which embraces project-based learning. Interest to interact and contribute to WPI's interdisciplinary programs and initiatives, which include Bioinformatics and Computational Biology, Cybersecurity, Data Science, Neuroscience, and Quantum Information Science, is welcomed and encouraged. Candidates should have a PhD in Mathematics, Statistics, or a related field.

The department has over 40 faculty and postdocs. Our undergraduate programs in Mathematical Sciences and Actuarial Mathematics have over 200 students and our graduate programs have approximately 100 students. At the graduate level, we have several master's programs (Applied Statistics, Applied Mathematics, and Industrial Mathematics) and we offer PhDs in Mathematical Sciences and Statistics. The department has a strong reputation for its cutting-edge interdisciplinary research and for its successful programs addressing mathematical and statistical problems in industry, with a Center for Industrial Mathematics and Statistics (CIMS).

Qualified applicants should submit (1) a curriculum vitae, (2) a teaching statement, (3) a research statement, (4) a cover letter, and (5) four letters of recommendation, at least one of which addresses teaching experience. We encourage applicants to highlight how their leadership, research, mentoring, and teaching experiences can enhance and further our goals of having a diverse and equitable mathematical sciences community at WPI. Review of applications will begin on January 2, 2023 and review of applications will continue until the position is filled.

Founded in 1865, WPI is one of the nation’s first technological universities. A highly selective private university located within an hour of Boston, WPI is consistently ranked among the top 70 research institutions by US News & World Report. The outstanding scientific environment and highly interactive community of researchers are why WPI is recognized for the following:

- Interdisciplinary, project-based education, with the NAE’s Bernard M. Gordon prize for Innovation in Engineering and Technology Education
• Faculty who successfully balance teaching and research, with a #1 ranking by the Wall Street Journal
• Faculty satisfaction with interdisciplinary work, mentoring, and collaboration, with a #1 ranking among peer institutions by the 2021 COACHE Faculty Job Satisfaction Survey

Worcester itself is a vibrant and cosmopolitan city, home to the WooSox and a family-friendly place in which to work and live. The UMass Medical Center, technology companies, and many colleges and universities are in the immediate area making it ideal for two career families.

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.

Employment of the successful candidate will be contingent upon the successful completion of a pre-employment criminal background check.