Tenure-Track Professor in Mathematics – Data Science

The Department of Mathematics in the College of Science at Purdue University invites applications for positions in Data Science at the level of Assistant Professor to start in August 2022 or a future date subject to negotiation. Early career candidates with exceptional qualifications may be considered for a term-limited early career endowed professorship. There are additional posted positions in data science at Purdue in both the Computer Science and Statistics departments. Candidates are encouraged to apply for all that are relevant. Joint appointments with other departments are possible based on candidate and departmental interests.

Qualifications

Candidates must have a PhD in mathematics or a closely related field, with outstanding credentials in research related to data science, an excellent track record of publications and potential for developing a vibrant research program, as well as a strong commitment to excellence in teaching. We particularly encourage candidates who demonstrate the potential for collaboration across multiple disciplines. All areas of pure and applied mathematics related to the broad area of data sciences are relevant, including but not restricted to probability, analysis, PDEs, approximation theory, optimization, inverse problems, signal processing, control theory, geometry, and topology.

Principal Duties

Successful candidates are expected to develop a vibrant research program supported by external funding, teach undergraduate and/or graduate mathematics courses to a diverse student body, and supervise graduate students. Senior faculty are also expected to mentor junior faculty and participate in the governance of the department, the College of Science, and Purdue University by serving on faculty committees.

The Department and College
The Department of Mathematics at Purdue offers a strong academic program with active research groups in most areas of mathematics. The department includes over 60 tenure track faculty and 150 graduate students. For more information, see www.math.purdue.edu.

These data science positions come at a time of significant investment in the College of Science, which includes the mathematical, computational, physical, and life sciences, with opportunities for collaboration across the College and University. Purdue itself is one of the nation's leading land-grant universities, with an enrollment of over 41,000 students primarily focused on STEM subjects.

Application Procedure

Applications should be submitted online through www.mathjobs.org and should include (1) the AMS cover sheet for academic employment, (2) a cover letter, (3) a curriculum vitae, (4) a research statement, (5) a teaching statement, and (6) at least four letters of recommendation, one of which discusses the candidate's teaching qualifications. In addition, for purposes of equity, to be considered for the position, applicants will also need to create a profile including voluntary demographic data at SuccessFactors. Purdue University, the College of Science, and the Department of Mathematics are committed to advancing diversity in all areas of faculty effort, including discovery, instruction, and engagement. Candidates are encouraged to address in their cover letter how they are prepared to contribute to a climate

that values diversity and inclusion. Purdue University, the College of Science, and the Department of Mathematics are committed to free and open inquiry in all matters. Candidates are encouraged to address in their cover letter how they are prepared to contribute to a climate that values free inquiry and academic freedom.

Reference Collection: Reference letter writers should be asked to submit their letters online through www.mathjobs.org.

A background check will be required for employment in this position. All applications received by December 1, 2022 will be given full consideration. Direct all inquiries to mathexec@purdue.edu.

Purdue University is an EOE/AA employer fully committed to achieving a diverse workforce. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.