Tenure-Track/Tenured Professors 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 or associate 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 and Expectations: 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 candidates in the broad area of data science are relevant and particular interest will be given to outstanding applicants in the areas of

- Topological data analysis, functional data analysis, applied probability, applied analysis, approximation theory for the foundation of data science, machine learning
- Data-driven modeling, simulation, inverse problems, computational methods for big data, optimization, scientific machine learning

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.

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: Applications from data science candidates with a strong focus on mathematics should be submitted online through www.mathjobs.org and should include (1) the AMS cover sheet for academic employment, (2) a cover letter, (3) diversity and inclusion statement, (4) a curriculum vitae, (5) a research statement, (6) a teaching statement, and (7) 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 at
SuccessFactors. Reference letter writers should be asked to submit their letters online through www.mathjobs.org. Direct all inquiries to irena@purdue.edu. All applications received by December 1, 2021 will be given full consideration.

Purdue University is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in a separate Diversity and Inclusion Statement, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion. A background check will be required for employment in this position.

Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.