

Department of Mathematics

Tenure track: Assistant and open rank Professor of Mathematics

The Department of Mathematics in the College of Science at Purdue University invites applications for three or more appointments in Mathematics to begin August 2019. These appointments will be at the level of assistant professor, or possibly higher rank in the case of exceptional career achievements.

These positions come at a time of new leadership and with multiple commitments of significant investment for the College of Science - Purdue's second-largest college, comprising the mathematical, physical and life sciences. These positions are a central component of a large-scale interdisciplinary hiring effort across key strategic areas in the College, including mathematical and computational foundations, quantum computation, and data science, and aligns with the new campus-wide Data Science initiative. Research within the Department of Mathematics spans multiple areas of pure and applied mathematics and extends to collaborations with partners across science and engineering. Opportunities abound for collaboration across computer science and the theory of algorithms, theoretical and applied statistics, and the physical and life sciences.

Successful candidates will combine an outstanding record of research excellence with a commitment to effective and engaged teaching. Appointments will be made based on demonstrated research and teaching qualifications. Candidates must have a Ph.D. (or its equivalent) in mathematics or a closely related field.

Preference will be given to outstanding applicants in the areas of

- Analysis and Geometry (including stochastic analysis/probability, harmonic analysis, partial differential equations, complex analysis, symplectic and differential geometry),
- Algebra and Topology (including algebraic topology, algebraic geometry, mathematical physics, automorphic forms and number theory, and commutative algebra), and
- Computational and Applied Mathematics (including applied, numerical, and computational analysis, the modeling of physical/biological systems, inverse problems, analysis of data, and machine learning).

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

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, and (5) four letters of recommendation, one of which discusses the candidate's teaching qualifications. Reference letter

writers should be asked to submit their letters online through www.mathjobs.org. Direct all inquiries to kstroud@math.purdue.edu. Applications are considered on a continuing basis but candidates are urged to apply by November 1, 2018.

Purdue University's Department of Mathematics 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 their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion. For more information about our department, see www.math.purdue.edu/. 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.