
Classified Advertisements

Positions available, items for sale, services available, and more

KANSAS

University of Kansas Department of Mathematics

The Department of Mathematics, University of Kansas invites applications for a non-tenure-track, Visiting Assistant Professor (Teaching Postdoctoral Fellow) expected to begin as early as January 1, 2019. Requirements for the position include a PhD in mathematics or mathematical sciences. For a complete announcement and to apply online, go to <https://employment.ku.edu/academic/12760BR>. A complete online application includes: a cover letter, CV, teaching statement, and the names and contact information for three references. In addition, at least three recommendation letters (teaching ability must be addressed in at least one letter) should be submitted electronically to <https://www.mathjobs.org/jobs/jobs/12398>. Only complete applications will be considered. Initial review of applications will begin October 4, 2018 and will continue as long as needed to identify a qualified pool. KU is an EO/AE. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex (including pregnancy), age, national origin, disability, genetic information or protected Veteran status.

037

MASSACHUSETTS

Massachusetts Institute of Technology Cambridge, MA

The Mathematics Department at MIT is seeking to fill positions in Pure and Applied Mathematics at the level of Assistant Professor or higher beginning July 2019 (for the 2019–2020 academic year, or as soon thereafter as possible). Appointments are based primarily on exceptional research qualifications. Appointees will be required to fulfill teaching duties and pursue their own research program. PhD in Mathematics or related field required by employment start date.

For more information and to apply, please visit www.mathjobs.org. To receive full consideration, submit applications by December 1, 2018. MIT is an Equal Opportunity, Affirmative Action Employer.

018

Massachusetts Institute of Technology Cambridge, MA

The Mathematics Department at MIT is seeking to fill positions in Pure and Applied Mathematics, and Statistics at the level of Instructor beginning July 2019 (for the 2019–2020 academic year). Appointments are based primarily on exceptional research quali-

Suggested uses for classified advertising are positions available, books or lecture notes for sale, books being sought, exchange or rental of houses, and typing services. The publisher reserves the right to reject any advertising not in keeping with the publication's standards. Acceptance shall not be construed as approval of the accuracy or the legality of any advertising.

The 2018 rate is \$3.50 per word with a minimum two-line headline. No discounts for multiple ads or the same ad in consecutive issues. For an additional \$10 charge, announcements can be placed anonymously. Correspondence will be forwarded.

Advertisements in the "Positions Available" classified section will be set with a minimum one-line headline, consisting of the institution name above body copy, unless additional headline copy is specified by the advertiser. Headlines will be centered in boldface at no extra charge. Ads will appear in the language in which they are submitted.

There are no member discounts for classified ads. Dictation over the telephone will not be accepted for classified ads.

Upcoming deadlines for classified advertising are as follows: November 2018—August 29, 2018; December 2018—September 21, 2018; January 2019—October 17, 2018; February 2019—November 15, 2018; March 2019—December 17, 2018; April 2019—January 17, 2019; May 2019—February 18, 2019.

US laws prohibit discrimination in employment on the basis of color, age, sex, race, religion, or national origin. "Positions Available" advertisements from institutions outside the US cannot be published unless they are accompanied by a statement that the institution does not discriminate on these grounds whether or not it is subject to US laws. Details and specific wording may be found on page 1373 (vol. 44).

Situations wanted advertisements from involuntarily unemployed mathematicians are accepted under certain conditions for free publication. Call toll-free 800-321-4AMS (321-4267) in the US and Canada or 401-455-4084 worldwide for further information.

Submission: Promotions Department, AMS, P.O. Box 6248, Providence, Rhode Island 02904; or via fax: 401-331-3842; or send email to classifieds@ams.org. AMS location for express delivery packages is 201 Charles Street, Providence, Rhode Island 02904. Advertisers will be billed upon publication.

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019

Northeastern University
Department of Mathematics
Tenured/Tenure-Track Position, Open Level

The Department of Mathematics at Northeastern University invites applications for a tenured/tenure-track position at the Assistant, Associate, or Full Professor level in Mathematics to start as early as Fall of 2019.

Appointments will be based on exceptional research contributions in Mathematics combined with a strong commitment and demonstrated success in teaching.

The Department seeks to build excellence in the core, inter-related areas of Algebraic Geometry, Representation Theory, and Topology. Outstanding candidates in these or synergetic areas are encouraged to apply and will be seriously considered. The Department currently has a strong research program in Algebraic Geometry and Representation Theory supported by an NSF RTG grant.

Candidates must have a PhD in Mathematics or a related field by the start date, strong record of research, and demonstrated evidence of excellent teaching ability. Qualified candidates should be committed to fostering diverse and inclusive environments as well as to promoting experiential learning, which are central to a Northeastern University education.

Responsibilities will include teaching undergraduate and graduate courses, mentoring students and conducting an independent research program.

Review of applications will begin immediately. Complete applications received by November 1, 2018 will be guaranteed full consideration. Additional applications will be considered until the position is filled.

To apply, please submit the documentation requested on the mathjobs.org web site. Applicants invited to interviews will be asked to complete a Northeastern University application on the appropriate website.

Northeastern University is an Equal Opportunity, Affirmative Action Educational Institution and Employer, Title IX University. Northeastern University particularly welcomes applications from minorities, women and persons with disabilities. Northeastern University is an E-Verify Employer.

034

The Williams College
Department of Mathematics and Statistics

The Williams College Department of Mathematics and Statistics invites applications for two two-year visiting positions in mathematics, to begin fall 2019. Candidates should have earned a PhD in mathematics, applied mathematics, or a related field by summer, 2019. We will consider candidates with any area of mathematical expertise.

Visiting Assistant Professors are asked to teach four courses per year on our 12-week semester schedule, advise several undergraduate student colloquia (our capstone experience for seniors), and make small contributions to service activities in the department. This set of professional duties provides a window into the experience of being a mathematician in a liberal arts setting.

Our department offers a vibrant undergraduate program with majors in mathematics (including an applied mathematics emphasis) and in statistics. For more information, see <https://math.williams.edu>. The multidisciplinary environment is a

rich and collegial setting for student education and faculty research. Williams College provides: the opportunity to apply for student research assistant support; a standard, annual allocation of funds to support travel and research; and a shared computer cluster for parallel computation. Visiting Assistant Professors are also eligible to participate in the college's comprehensive First Three professional development program (<https://faculty-networks.williams.edu/networking-opportunities>).

Approximately one hour from the Albany, NY airport, Williams College is located in Williamstown, a thriving destination proximate to: three major art museums; theater, music, and dance festivals; community supported agriculture farms; a highly-rated public school system; and many other resources.

The Williams undergraduate student body has 40% US minority enrollment and nearly 10% international enrollment. Reflecting the institution's values, our department is diverse and inclusive, with 50% of our faculty being women, people of color, and/or members of the LGBTQ+ community. We encourage applications from members of underrepresented groups with respect to gender, race and ethnicity, religion, sexual orientation, disability status, socioeconomic background, and other axes of diversity.

Applications should be submitted via www.mathjobs.org. Your application should include the following components.

- 1) Please provide a cover letter. This letter might describe your interest in Williams and in the liberal arts, and provide a brief summary of your professional experience and future goals. We ask you to address how your teaching, scholarship, mentorship and/or community service might support Williams's commitment to diversity and inclusion.
- 2) Please provide a current curriculum vitae.
- 3) Please provide a teaching statement. Ideally, this statement should be 2-3 pages long, and it might address your teaching philosophy, teaching experience, and any other reflections or relevant information you would like to share.
- 4) Please provide a brief research statement. Ideally, it should help our faculty, who come from a wide range of mathematical disciplines, understand the nature of your work and think about how to support you during your post-PhD years.
- 5) Please have at least three recommenders submit letters of recommendation. If possible, at least one of these letters should comment on your experience as a teaching assistant or on any other instructional capacities in which you have served.

We also ask applicants to fill out this brief EEOC demographic survey: <https://goo.gl/forms/xqT52JBGKXSonPUn1>. While completing this form is voluntary, we hope you will fill it out. Responses will be accessible only by administrators and EEO officers.

If you have questions about this position, contact search committee chair Chad Topaz (cmt6@williams.edu). Review of applications will begin on or after November 1 and will continue until the positions are filled. All offers of employment are contingent upon completion of a background check. Further information is available at <https://faculty.williams.edu/prospective-faculty/background-check-policy>.

Williams College is a coeducational liberal arts institution located in the Berkshire Hills of western Massachusetts. The college has built its reputation on outstanding teaching and scholarship and on the academic excellence of its approximately 2,000 students. Please visit the Williams College website (www.williams.edu). Beyond meeting fully its legal obligations for non-discrimination, Williams College is committed to building a diverse and inclusive community where members from all backgrounds can live, learn, and thrive.

030

NEW HAMPSHIRE

Dartmouth College
Department of Mathematics

John Wesley Young Research Instructorship, 2–3 years, new or recent PhD graduates whose research overlaps a department member's. Teach 3 ten-week courses spread over 3 terms. Appointment for 26 months, with possible 12 month renewal. Salary will begin at a monthly rate of \$5,229. The assumption is that the Instructor will be in residence during all but one of the summers spanned by their contract (three out of the four from 2019 to 2022 under normal circumstances), and that residence is defined to be two of the three summer months. Those Instructors who choose not to satisfy the summer residence requirement will have their salary adjusted accordingly. To initiate an application go to www.mathjobs.org – Position ID: JWY #12260. You can also access the application through a link at www.math.dartmouth.edu/activities/recruiting/. Applicants received by February 1, 2019 will receive first consideration. General inquiries can be directed to Tracy Moloney, Administrator, Department of Mathematics, tfmoloney@math.dartmouth.edu.

Dartmouth College is an equal opportunity/affirmative action employer with a strong commitment to diversity and inclusion. We prohibit discrimination on the basis of race, color, religion, sex, age, national origin, sexual orientation, gender identity or expression, disability, veteran status, marital status, or any other legally protected status. Applications by members of all under-represented groups are encouraged.

031

Dartmouth College
Department of Mathematics

The Department of Mathematics announces a tenure-track opening for the 2019–2020 academic year. There is a preference for a junior appointment, but we welcome applicants suitable for a high initial rank. The department has an interest in hiring in number theory/algebra, broadly defined, but also welcomes applications from excellent candidates in other areas of pure mathematics, especially those that strengthen or build connections among our relevant research areas, which include (but are not limited to) combinatorics, analysis, geometry, and topology. Applicants should apply online at www.mathjobs.org Position ID: TTNT#12261. Applicants received by December 15, 2018 will receive first consideration. For more information about this position, please visit our website: <https://www.math.dartmouth.edu/activities/recruiting/>.

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032

NEW JERSEY

Rutgers University
New Brunswick
Mathematics Department

The Mathematics Department of Rutgers University—New Brunswick invites applications for the following positions which may be available September 2019.

TENURE-TRACK ASSISTANT/TENURED ASSOCIATE/TENURED FULL PROFESSORSHIP:

Subject to availability of funding, the Department expects at least two openings at the level of Tenure-Track Assistant Professor. In exceptional cases, there may be the possibility of appointment at a higher level. Candidates must have a PhD and have a strong record of research accomplishments in pure or applied mathematics as well as effective teaching. The Department has hiring priorities in Probability and Applied Mathematics, but will consider outstanding candidates in any field of pure or applied mathematics. The normal teaching load for research-active faculty is 2–1. Review of applications begins November 1, 2018.

HILL AND OTHER ASSISTANT PROFESSORSHIPS:

These are three-year nontenure-track, nonrenewable, Post-Doctoral appointments. Subject to availability of funding, the department expects five positions of this nature. These positions carry a reduced teaching load of 2–1 for research; candidates should have received a PhD and show outstanding promise of research ability in pure or applied mathematics as well as a capacity for effective teaching. Review of applications begins December 1, 2018.

Applicants for the above positions should submit a curriculum vitae (including a publication list) and arrange for four

letters of reference to be submitted, one of which evaluates teaching. Applicants should first go to the website <https://www.mathjobs.org/jobs> and fill out the AMS Cover Sheet electronically. It is essential to fill out the cover sheet completely, including naming the positions being applied for (TT and PD, respectively).

Please read carefully for special instructions in our posting on mathjobs. Be aware that Rutgers conducts background checks for all new hires.

Rutgers, the State University of New Jersey, is an Equal Opportunity / Affirmative Action Employer. Qualified applicants will be considered for employment without regard to race, creed, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, genetic information, protected

veteran status, military service or any other category protected by law. As an institution, we value diversity of background and opinion, and prohibit discrimination or harassment on the basis of any legally protected class in the areas of hiring, recruitment, promotion, transfer, demotion, training, compensation, pay, fringe benefits, layoff, termination or any other terms and conditions of employment.

036

UTAH

University of Utah
Department of Mathematics

The Department of Mathematics at the University of Utah invites applications for the following positions:

- Full-time tenure-track or tenured appointments at the level of Assistant, Associate, or Full Professor in all areas of mathematics.
- Full-time tenure-track or tenured appointments at the level of Assistant, Associate, or Full Professor in all areas of statistics. These positions are part of a University-wide cluster hiring effort in statistics, with particular emphasis in mathematics,

computer science, and bioengineering. Successful candidates will have strong interdisciplinary interests.

- Three-year Burgess, Kollár, Tucker, and Wylie Assistant Professor Lecturer positions.

Please see our website at www.math.utah.edu/positions for information regarding available positions and application requirements. Applications must be completed through www.mathjobs.org/jobs/Utah. Review of complete applications for tenure-track positions will begin on October 5, 2018, and will continue until the positions are filled. Completed applications for postdoctoral positions received before January 1, 2019, will receive full consideration.

The University of Utah is an Equal Opportunity/Affirmative Action employer and educator. Minorities, women, veterans, and those with disabilities are strongly encouraged to apply. Veterans' preference is extended to qualified veterans. Reasonable disability accommodations will be provided with adequate notice. For additional information about the University's commitment to equal opportunity and access see: www.utah.edu/nondiscrimination/.

017

CHINA

Southern University of Science and Technology (SUSTech) Faculty Positions of Mathematics The Department of Mathematics

The Department of Mathematics at Southern University of Science and Technology (SUSTech) is founded in 2015 with a dual mission of creating a first-class research and education organization for mathematics and providing service courses in support of other academic departments at SUSTech. We currently have 36 full-time faculty members, including 6 Chair Professors & 7 Full Professors, 3 Associate Professors, 12 Assistant Professors, and 8 teaching faculty members. Research interests of the faculty members cover a broad array of Mathematics including Pure Mathematics, Computational and Applied Mathematics, Probability and Statistics, and Financial Mathematics.

Call for Applications

We invite applications for full-time faculty positions at all ranks and in all areas of Mathematics, including Financial Mathematics and Statistics. SUSTech has a tenure system. Qualified candidates may apply for appointments with tenure.

Candidates should have demonstrated excellence in research and a strong commitment to teaching. A doctoral degree is required at the time of appointment. A candidate for a senior position must have an established record of research and teaching, and a track-record in securing external funding.

To apply, please visit www.mathjobs.org and look up our job ad for instructions. For an informal discussion about applying to one of our positions, please contact Ms. Xianghui Yu, the Secretary of Department of Mathematics, by phone +86-755-88018703 or email: yuxh@sustc.edu.cn.

SUSTech offers competitive salaries, fringe benefits including medical insurance, retirement and housing subsidy, which are among the best in China. Salary and rank will be commensurate with qualifications and experiences of an appointee.

About the University

Established in 2012, SUSTech is a public institution funded by Shenzhen, a city with a designated special economic zone status in Southern China bordering Hong Kong. As one of China's key gateways to the world, Shenzhen is the country's fastest-growing city in the past three decades. From a small fishing village 30 years ago to a modern city with a population of over 10 million, the city has become the high-tech and manufacturing hub of southern China. It is home to the world's third-busiest container port and

the fourth-busiest airport on the Chinese mainland. Being a picturesque coastal city, Shenzhen is also a popular tourist destination.

SUSTech is a pioneer in higher education reform in China. Its mission is to become a globally recognized institution that excels in research and promotes innovation, creativity and entrepreneurship. Ninety percent of SUSTech faculty members have overseas work experiences, and sixty percent studied or worked in top 100 universities in the world. The languages of instruction are English and Chinese. Sitting on five hundred acres of subtropical woodland with hills, rivers and a natural lake in Nanshan District of Shenzhen, the SUSTech campus is a beautiful place for learning and research.

The prosperity of Shenzhen is built on innovations and entrepreneurship of its citizens. The city has some of China's most successful high-tech companies such as Huawei and Tencent. SUSTech strongly supports innovations and entrepreneurship, and provides funding for promising initiatives. The university encourages candidates with intention and experience on entrepreneurship to apply.

010

Tianjin University, China Tenured/Tenure-Track/Postdoctoral Positions at the Center for Applied Mathematics

Dozens of positions at all levels are available at the recently founded Center for Applied Mathematics, Tianjin University, China. We welcome applicants with backgrounds in pure mathematics, applied mathematics, statistics, computer science, bioinformatics, and other related fields. We also welcome applicants who are interested in practical projects with industries. Despite its name attached with an accent of applied mathematics, we also aim to create a strong presence of pure mathematics. Chinese citizenship is not required.

Light or no teaching load, adequate facilities, spacious office environment and strong research support. We are prepared to make quick and competitive offers to self-motivated hard workers, and to potential stars, rising stars, as well as shining stars.

The Center for Applied Mathematics, also known as the Tianjin Center for Applied Mathematics (TCAM), located by a lake in the central campus in a building protected as historical architecture, is jointly sponsored by the Tianjin municipal government and the university. The initiative to establish this center was taken by Professor S. S. Chern. Professor Molin Ge is the Honorary Director, Professor Zhiming Ma is the Director of the Advisory Board. Professor William Y. C. Chen serves as the Director.

TCAM plans to fill in fifty or more permanent faculty positions in the next few years. In addition, there are a number of temporary and visiting positions. We look forward to receiving your application or inquiry at any time. There are no deadlines.

Please send your resume to mathjobs@tju.edu.cn.

For more information, please visit cam.tju.edu.cn or contact Ms. Erica Liu at mathjobs@tju.edu.cn, telephone: 86-22-2740-6039.

001

MISCELLANEOUS

A New Solution to the $3x + 1$ Problem

I am seeking a mathematician with two very rare qualities in combination: (1) the courage to give a fair, open-minded reading to a paper not written by an academic mathematician (my degree is in computer science, and for most of my career I have been a researcher in the computer industry), and (2) the ability to understand new, counter-intuitive ideas.

I need such a person to help me prepare the paper containing the solution for submission to a journal. The new solution (a

proof of the $3x + 1$ Conjecture) is the best of the three proofs of the Conjecture I have discovered. It is in Appendix H in the paper, "A Solution to the $3x + 1$ Problem", on occampress.com. The proof, including supporting material, can be read in less than 20 min. (instructions for doing so are on the first page of the paper).

Considerable prestige awaits the mathematician who helps prepare a paper setting forth a solution to the Problem. I will be glad to pay any reasonable consulting fee. I will also give generous credit in the Acknowledgements (but only with the mathematician's prior written approval).

—Peter Schorer, peteschorer@gmail.com

033

FOR SALE

**Math and Science
Neckties for Sale**

Need a Gift for the Integral Person in your Life?
Pacific Tie Company. Not Your Average Tie.

www.etsy.com/shop/PacificTieCompany

035



Celebrating
75 Years
of

**MATHEMATICS
OF COMPUTATION**

AMERICAN MATHEMATICAL SOCIETY



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