



Upcoming

Events

**Field of Dreams
Conference**

Virtual

Nov. 5- 6, 2021

JMM 2022

Seattle, WA

Jan. 5- 8, 2022

Building

Future Faculty

Program

NCSU

**Mar 30- Apr. 3,
2022**

ADJOINT

Workshop

Berkeley, CA

**Jun. 20-Jul. 1,
2022**

Thoughts from the Director...



David Goldberg
Executive Director
of the
Math Alliance

It's the last week of October, so that means we are just over a week away from this year's Field of Dreams Conference. Last year's Field of Dreams Conference was a great success, and we learned a lot about how to bring some of the elements of our usual conference into a virtual setting. Just over a month after last year's conference our Executive Council discussed what we should do about 2021. We had heard vaccines were coming and that gave some hope that we'd be "back to normal", or close to it, by this time. But we also had to face a reality. Even with the prospect of vaccines and a generally improving situation, our community was not likely to be able to gather in a normal manner. Many in our community come from those places which have been hardest hit by the pandemic, and where, even in December of last year, we could predict the vaccination rates would be lagging. For this reason alone, we knew that this year we'd have to have a virtual conference again. We also felt announcing it early would assure our faculty mentors that they were not going to have to worry about travel, and whether they could find support for their attendance. So, we resigned ourselves to make the best of the online format.

Still, in March when we announced the decision to hold a virtual Field of Dreams Conference, I felt confident that we'd be looking at a pretty rosy landscape by now. It's unfortunate that there hasn't been wider acceptance of the thing that will help us all get COVID-19 fully under control. Still, I know that when our community gathers for a Field of Dreams Conference, it injects us with energy and momentum, and even being online this year, I know we'll feel some of those good things.

The National Science Foundation has generously allowed us to use the money they awarded us to have students travel to the conference to stage the virtual conference. This plus the generosity of our Members and Partners allows us to put our conference on this year with no need for a registration fee! Our partners at the Institute for Mathematics and its Applications (IMA) have been doing a great deal of work to help us get ready. Of course, our staff, especially Rebecca Lank and Sherry Woodley have worked really hard to make sure the conference comes off well. I want to thank all those who are helping us put this conference on.

We have great plenary speakers: Leslie McClure, Ricardo Cortez, and Carrie Diaz Eaton. I also know students applying to graduate school will get a lot from the various panels. Plus, we have over 80 booths at the virtual fairs – the Graduate and REU Fairs. Also, we're "gamifying" the conference, so there will be places to get points for participating in the various activities. The richest target for this will be the Graduate and REU Fairs. Each booth will have their unique code, and you'll only get the code if you visit their booth, and someone gives it to you. There will be prizes!! We'll be announcing the prizes at the opening of the conference. So, this is the time for us to gather, to reconnect with each other, and remind ourselves of all the good folks in the Math Alliance are doing, in spite of everything we have been through.

I hope you'll all join us, and I am looking forward to seeing you there!!!

Accepting Last Minute Field of Dreams Nominations!

It is time to nominate your students for this year's Field of Dreams Conference. The 2021 will again be held virtually on **November 5– 6, 2021**.

The student [nomination form](#) is on our website and the *Extended Deadline* to nominate your students is **October 30, 2021**.

If you have questions, please contact [Rebecca Lank](#).

Still Accepting 2021-22 F-GAP Nominations!

The Facilitated Graduate Applications Process (F-GAP) is an Alliance program that provides undergraduate Juniors and Master's students with the advice and assistance needed to begin the application process as they apply to graduate programs.



F-GAP will help students choose departments that are most appropriate to their goals and aspirations. The Alliance Community will work with the student as they prepare their applications to graduate programs and will assist in tracking the progress of their applications through the admissions process. The Alliance Community will assist in maximizing the chances that Alliance Scholars will be admitted, with support, to a department or program where they will thrive. We will pair each eligible student with one of our Doctoral Alliance Mentors who will work with the students local mentor to create a mentoring team that will aid in the application process.

If you know of a Senior or Master's student who will be graduating in the Spring or Summer of 2022 and will be applying to graduate programs for Fall 2022 please submit student nominations here: <https://mathalliance.org/fgap-nomination-form/>. As part of this submission, you will be asked to check a box stating that you have read the document, [“Selecting students for the F-GAP program: FAQs.”](#))



Rodrigo Bañuelos Receives AMS 2022 Award for Distinguished Public Service



Professor [Rodrigo Bañuelos](#), who is Program Advisor to the Math Alliance Executive Council, a long time Math Alliance Mentor, and a Professor at Purdue University has been selected to receive the 2022 AMS Award for Distinguished Public Service.

To see the full award announcement from the AMS follow this [link](#).

About the Award...

Presented every two years, the AMS Award for Distinguished Public Service recognizes a research mathematician who has made recent or sustained distinguished contributions to the mathematics profession through public service.

The 2022 prize will be presented Wednesday, January 5, 2022 during the Joint Prize Session at the [2022 Joint Mathematics Meetings](#) being held in Seattle.

Congratulations Rodrigo on winning this prestigious award!

Erdős Spring 2022 Applications Now Open

The application window for the Erdős Institute's Spring 2022 professional development workshops, boot camps, and mini-courses is now open through November 15th: <https://www.erdosinstitute.org/>

Programming runs February-June. We will accept all interested applicants from your departments/units regardless of year. <https://www.erdosinstitute.org/may2021report>

NSF Research Fellowships Opportunity: (MPS-Ascend)



A new Program Solicitation [NSF 22-501](#) for the Mathematical and Physical Sciences Ascending Postdoctoral Research Fellowships (MPS-Ascend) is now available. **The submission deadline is January 6, 2022.**

The twofold purpose of the MPS-Ascend program is to support future scientific leaders in MPS fields by facilitating their participation in postdoctoral research environments that will have maximal impact on their future scientific development, and to broaden the participation of those underrepresented (including Blacks or African Americans, Hispanics, Latinos, Native Americans, Alaska Natives, Native Hawaiians, and other Native Pacific Islanders) in science areas supported by MPS.

Fellowship candidates must be U.S. citizens, nationals, or legally admitted permanent residents. Proposals must present research, professional development, and broadening participation plans that fall within the purview of one of the Divisions within MPS, including Mathematical Sciences (DMS). Proposals are submitted by the candidate via Fastlane or Grants.gov to the Office of Multidisciplinary Activities within the Directorate for Mathematical and Physical Sciences. Be sure to include an appropriate secondary unit of consideration; the code for DMS is “7335 Workforce in the Mathematical Sciences.”

The duration of a Fellowship award is between 12 and 36 months and the amount is \$100,000 per year, including stipend, fringe benefits, and other expenses. For the full program description, eligibility, and other solicitation specific requirements, please see:

<https://beta.nsf.gov/funding/opportunities/mathematical-and-physical-sciences-ascending-postdoctoral-research>

Webinar

MPS is offering an Ascend webinar on **November 10, 2021 at 2 PM EST**. Registration is required via the link https://nsf.zoomgov.com/webinar/register/WN_11eBe4jnTNuyqf_ypMzwsA

DMS program officers representing the MPS-Ascend team are Marian Gidea (mgidea@nsf.gov), Swatee Naik (snaik@nsf.gov), and Sandra Spiroff (sspiroff@nsf.gov).

The Math Alliance had two past Scholars win this award this year! Congratulations again to **Dr. Ranthony Edmonds** and to **Dr. Talon Johnson**!

New Graduate Student Recruitment Webpage on Math Alliance Website



We have launched a new Graduate Student Recruitment webpage to list all of the recruitment events that are happening in our community. If you have an event to add please email [Rebecca Lank](mailto:Rebecca.Lank). If you are a student looking to apply to graduate school, check out the [list of events](#).

Programs with events currently listed on our webpage:

- North Carolina State University Statistics Department
- NYU School of Global Public Health- Department of Biostatistics
- Michigan State University Math Department

Latest GRE Requirements

With many students applying to graduate school this fall, GRE scores is always a hot topic. Here is a [spreadsheet](#) with the **most up-to-date GRE requirements** for Mathematics graduate programs in the US.

The list was created by Emily Winn (email: emily_winn@brown.edu; Twitter: [@EmilyWinn13](https://twitter.com/EmilyWinn13)). If you have any updates to the list, you can contact her directly.

University of Washington introduces Pre-Application Review Service



University of Washington Department of Statistics is piloting a new initiative this year, called the **Pre-Application Review Service (PARS)**.

Prospective applicants for PhD programs in statistics (at UW or elsewhere) can submit their CV and Statement of Purpose, in order to receive mentoring on how to make those materials as competitive as possible.

More details about the PARS program, as well as a link for submission of materials (**between now and November 7**) can be found here:

<https://stat.uw.edu/news-resources/articles/department-statistics-offers-pre-application-review-service-pars>.

2022 African Diaspora Joint Mathematics Workshop (ADJOINT)

The Mathematical Sciences Research Institute invites applications for its 2022 ADJOINT workshop taking place June 20 - July 1 in Berkeley, California.

The African Diaspora Joint Mathematics Workshop (ADJOINT) is a yearlong program that provides opportunities for U.S. mathematicians – especially those from the African Diaspora – to form collaborations with distinguished African-American research leaders on topics at the forefront of mathematical and statistical research.

Beginning with an intensive two-week summer session at MSRI, participants work in small groups under the guidance of some of the nation's foremost mathematicians and statisticians to expand their research portfolios into new areas. Throughout the following academic year, the program provides conference and travel support to increase opportunities for collaboration, maximize researcher visibility, and engender a sense of community among participants.

ADJOINT enriches the mathematical and statistical sciences as a whole by providing a platform for African-American mathematicians to advance their research and careers and deepen their engagement with the broader research community.

PROGRAM ELIGIBILITY

- Applicants must be a U.S. citizen or permanent resident, possess a Ph.D. in the mathematical or statistical sciences, and be employed at a U.S. institution.

PROGRAM ACTIVITY & SUPPORT

During the workshop, each participant will:

- Conduct research at MSRI within a group of four to five mathematical and statistical scientists under the direction of one of the research leaders (see research leaders and topics below);
- Participate in professional enhancement activities provided by the onsite ADJOINT Director; and
- Receive funding for two weeks of lodging, meals and incidentals, and one round-trip travel to Berkeley, CA.

After the two-week workshop, each participant will:

- Have the opportunity to further their research project with the team members including the research leader;
- Have access to funding to attend conference(s) or to meet with other team members to pursue the research project, or to present results; and Become part of a network of research and career mentors.

APPLICATION REQUIREMENTS

- Cover letter specifying which of the offered research projects you wish to be part of; if more than one please indicate your priorities ([see website](#));
- a CV;
- a personal statement, no longer than *one page*, addressing how your participation will contribute to the goals of the program (e.g., why you are a good candidate for this workshop and what you hope to gain); and
- a research statement, no longer than *two pages*, describing your current research interests, and relevant past research activities, and how they relate to the project(s) of greatest interest to you (e.g., what motivates your current interests and what is your relevant research background).

SELECTION PROCESS

- The guiding principle in selecting participants and establishing the groups is the creation of diverse teams whose members come from a variety of institutional types and career stages. The degree of potential positive impact on the careers of African-Americans in the mathematical and statistical sciences will be an important factor in the final decisions.

[Learn More and Apply Online by December 15, 2021](#)

NC STATE UNIVERSITY

Building Future Faculty Program

March 30th - April 1, 2022



The NC State Building Future Faculty (BFF) Program is a two-and-half day all-expenses paid workshop for doctoral students and postdoctoral scholars who are interested in pursuing academic careers and who are committed to promoting diversity in higher education. The program targets graduate students who are in the dissertation phase or post-doctoral.

Program Mission:

The mission of the program is to prepare graduate students and postdoctoral scholars for faculty careers, with a special emphasis on students who are committed to increasing the inclusiveness and representation of historically underrepresented groups. *Note that different groups may be underrepresented in different disciplines.

Program Benefits:

- A behind-the-scenes view of faculty life and expectations of faculty
- Success strategies for increasing research productivity and navigating academic life
- Skills development for teaching, networking and public speaking
- Information and feedback on the application process and materials, such as a CV, cover letter and research planning
- Opportunities to interact with faculty in your discipline and other scholars

Selection Criteria:

The Building Future Faculty program provides information for advanced graduate students and postdocs preparing for faculty careers. It is not a job placement program. Those who meet the following criteria are encouraged to apply.

- Individuals with the ability to contribute in meaningful ways to diversity and inclusion in higher education
- Individuals in a doctoral or postdoctoral program corresponding to a discipline at NC State
- Postdocs and graduate students who have begun their dissertation research
- Those who desire an academic teaching career at a research institution and/or who desire to pursue independent research as a faculty member
- Those who demonstrate the potential to become a faculty member
- Availability during the program dates

Application Information:

- Cover letter
- Curriculum vitae
- Statement of teaching and research interests

Office for Institutional Equity and Diversity

[Apply Now!](#) The Deadline to Apply is November 1, 2021.

Students Sought to be Book Contributors

Drs. Pamela E. Harris and Aris Winger have been working on an advocating for students of color in mathematics [book series](#) and they are now excited to share that they are beginning work on the third book!

Read and Reflect: Advocacy Stories from Students of Color in Mathematics

Here they will center the voices of the students who we dedicate our careers to supporting. Students will be asked to write 1200 to 1500 words around discussion questions. They intend for this work not to be intrusive to students' semester and will compensate them for the piece with a \$25 dollar gift card.

Do you know any undergraduate and/or graduate students who would make for great contributors? If you have someone in mind please encourage them to contribute. While this will give them a published piece of work which will look good for their CV, they will also be taking great strides to ensure anonymity whenever that is desired.

Here is a short [preliminary interest form](#) that you can forward directly to those students you think would be well suited for this opportunity.

Johns Hopkins and Bloomberg Create New Program to support HBCU and MSI Students

Johns Hopkins University and Bloomberg Create New Program to support HBCU and MSI Students in Graduate STEM Programs

Johns Hopkins University and Bloomberg are collaborating on the [Vivien Thomas Scholars Initiative](#) to increase participation by HBCU students, and students from Minority Serving Institutions in pursuing graduate STEM degrees.

F-GAP students, Mentors, and Facilitators should look at this program to see if it makes sense for them to apply.

Mathematical Sciences Research Institute Berkeley, CA



MSRI invites applications for the 2022 **Summer Research in Mathematics (SRiM)** program. This program provides space, funding, and the opportunity for in-person collaboration to small groups of mathematicians, especially women and gender-expansive individuals, whose ongoing research may have been disproportionately affected by various obstacles including family obligations, professional isolation, or access to funding. Through this effort, MSRI aims to mitigate the obstacles faced by these groups, improve the odds of research project completion, and deepen their research experience.

The ultimate goal of this program is to enhance the mathematical sciences as a whole by positively affecting the research and careers of all of its participants and assisting their efforts to maintain involvement in the research community.

- Groups of two to six mathematicians with partial results on an established project may submit an application to the program.
- Each member of the group must have a Ph.D. in mathematics or advanced graduate standing. At least one member must be U.S.-based.
- **The visits must take place between June 6, 2022 and July 15, 2022.** Each group may apply to be in residence at MSRI for a minimum of two weeks, though longer visits are possible. All members of the group must be in residence for the duration of the visit.
- Applications will be made through [MathPrograms](#) beginning **August 1, 2021** and require a Project Description and bio-sketch of each group member, as well as additional information (see program website for details). Applicants may only apply as a member of one research group.
- Lodging at UC Berkeley, meals and reimbursement of travel expenses will be provided.
- For participants with children, MSRI will provide funding that makes it possible for the member to fully take part in the program. This may be in the form of lodging and reimbursement of travel expenses for children who accompany the member to Berkeley, plus lodging and travel expenses for a caregiver. It may also take the form of reimbursement of additional expenses incurred if the children stay home, thus allowing the member to attend the program.

The deadline for application will be **November 1, 2021**. Decisions will be announced by **December 15, 2021**. For more information, visit: <https://www.msri.org/web/msri/scientific/summer-research-in-mathematics>.

Support for this program is provided by Priscilla Chou, Microsoft Research, and Kristin Lauter. MSRI has been supported from its origins by the National Science Foundation, now joined by over 100 Academic Sponsor departments, by a range of private foundations, and by generous and farsighted individuals.

Bristol Myers Squibb Summer Internships Available

Current Internships that are Available :

- R1547861 [Intern, Statistical Programming](#) (Summer 2022) (Evergreen) (Open)
- R1548332 [Intern, Statistical Programming](#) (Grad student) (Summer 2022) (Evergreen) (Open)
- R1548334 [Intern, Data Science](#) (Summer 2022) (Evergreen) (Open)
- R1548318 [Intern, Biostatistics](#) (Summer 2022) (Evergreen) (Open)

In order to identify the MathAlliance Scholars, they should do the following:

Question: “How Did You Hear About Us?*” select “Employee Referral (BMS Employee)”

Question: “What’s their name or email address?*” Enter: Ayanbola Elegbe (Ayanbola.elegbe@bms.com)

Mathematical Sciences Research Institute Berkeley, CA



than once in ten years.

The Mathematical Sciences Research Institute invites the submission of proposals for full- or half-year programs to be held at MSRI. Planning of such programs is generally done about three years ahead. Except in extraordinary cases, a subject is the focus of a program not more

A scientific program at MSRI generally consists of up to nine months of concentrated activity in a specific area of current research interest in the mathematical sciences. MSRI usually runs two programs simultaneously, each with about forty mathematicians in residence at any given time. The most common program length is four months (typically in the form of a Fall or Spring semester program). Each program begins with a Connections for Women workshop and an Introductory workshop, the purpose of which is to introduce the subject to the broader mathematical community. The programs receive administrative and financial support from the Institute, allowing organizers to focus on the scientific aspects of the activities.

The Scientific Advisory Committee (SAC) of the Institute meets in January, May and November each year to consider proposals for programs. **The deadlines to submit proposals of any kind for review by the SAC are March 1, October 1 and December 1.**

Please see our website for specific proposal requirements and further information: www.msri.org/proposal.

MSRI also invites the submission of proposals for Hot Topics workshops and Summer Graduate Schools.

MSRI has been supported from its origins by the National Science Foundation, now joined by the National Security Agency, over 100 Academic Sponsor departments, by a range of private foundations, and by generous and farsighted individuals.



MSRI invites applications for Research Professors, Research Members and Postdoctoral Fellows in the following programs: **Floer Homotopy Theory** (August 22 - December 21, 2022), **Analytic and Geometric Aspects of Gauge Theory** (August 22 - December 21, 2022), **Algebraic Cycles, L-Values, and Euler Systems** (January 17 - May 26, 2023) and **Diophantine Geometry** (January 17 - May 26, 2023). Research Professorships are intended for senior researchers who will be making key contributions to a program, including the mentoring of postdoctoral fellows, and who will be in residence for three or more months. Research Memberships are intended for researchers who will be making contributions to a program and who will be in residence for one or more months. Postdoctoral Fellowships are intended for recent PhDs.

MSRI uses MathJobs to process applications. Interested candidates must apply online beginning August 1, 2021. To receive full consideration, applications must be complete, including all letters of support, by the following deadlines: Research Professorships, October 1, 2021; Research Memberships, December 1, 2021; Postdoctoral Fellowships, December 1, 2021. Application information can be found at www.msri.org/application.

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PRAIRIE ANALYSIS SEMINAR

Nov. 5-6, 2021

hosted virtually by
Kansas State University

Join us for the 17th annual Prairie Analysis Seminar, hosted online by Kansas State University and University of Kansas' mathematics departments and the National Science Foundation. This yearly analysis meeting further educates and provides an opportunity for scientific exchange and cooperation among analysts.

Register and stay updated at
math.k-state.edu/pas

Contact Virginia Naibo at
vnaibo@k-state.edu with
questions.

PRINCIPAL LECTURER

Malabika Pramanik

University of British Columbia

Presenting: Sets and configurations

INVITED SPEAKERS

María Jesús Carro

Universidad Complutense de Madrid

Presenting: Solving Dirichlet and Neumann problems in Lipschitz Domains at the end-point

David Cruz Uribe

University of Alabama

Presenting: The maximal operator on convex-set valued functions

Time for contributed talks by participants will be allocated, prioritizing graduate students, postdocs and those in the early stages of their careers. Register by Sept. 26 for full consideration of your contributed talk.

Duke

TRINITY COLLEGE OF
ARTS AND SCIENCES

DEPARTMENT *of* MATHEMATICS

PhD Program

- Algebra and combinatorics
- Algebraic geometry
- Applied math and analysis
- Biological modeling
- Computational math
- Geometry and topology
- Mathematical physics
- Number theory
- PDEs and dynamical systems
- Probability
- Signals, images, and data

Duke Affiliates

- Computational biology
- Machine learning

Interested?

- Next cohort begins Fall 2022
- Apply by December 13, 2021
- Fee waived for HBCU students
- More info at math.duke.edu
- dgs-math@math.duke.edu



Academics

Duke is home to leading researchers across the mathematical sciences, including 17 Fellows of the AMS and 3 Fellows of the American Academy of Arts and Sciences. The department also hosts a Research Training Group in analysis, probability, PDEs, and computing, and the TRIPODS@Duke data science initiative.

Outcomes

The PhD program provides excellent training for both academic and industry jobs. In the last 4 years, our graduates have obtained jobs at places like Oxford, UCLA, NYU, Harvard Medical School, Carnegie Mellon, Bloomberg, Ernst & Young, Amazon, and Google.

Funding

Duke PhD students receive guaranteed funding for 5 years. This funding includes a full waiver of tuition and fees, a generous year-round stipend that covers living expenses, and 6 years of free health and dental insurance. Summer funding is provided with no teaching requirements.

Application

The general and math subject GREs are an optional part of the Fall 2022 application, and you will not be disadvantaged by omitting either or both of these exams. Applicants from HBCUs are eligible to have their application fee waived by emailing dgs-math@math.duke.edu.



Second Annual OURFA²M²

Online Undergraduate Resource Fair for the Advancement and Alliance of Marginalized Mathematicians

For marginalized, underrepresented, and underserved undergraduate mathematicians, it can feel difficult to gather the information you need to build your career. We've been there, and we've got your back.

December 4 & 5, 2021 on Zoom

8am-4pm Pacific / 11am-7pm Eastern

Registration and information at ourfa2m2.org

This free conference will include:

- Panel of representatives of summer and semester opportunities
- Panel of students who've participated in such programs
- Crash courses in common undergraduate research fields
- Personal stories of mathematicians' undergrad experiences
- Other talks and activities to network and share resources

Please register by 11:59 pm Pacific on November 27 to join us!

Contact ourfa2m2@gmail.com with questions.



MATH ALLIANCE PARTNER INSTITUTION

Lecturer in Mathematics Position Announced at Purdue University

PURDUE
UNIVERSITY

Applications are invited for a Lecturer in Mathematics starting January 3, 2022 or August 8, 2022. Candidates must have mathematics teaching experience at the K-12 and/or college level and a master's degree in mathematics education, mathematics, or a closely related field.

Qualifications

Teach courses in mathematics for elementary education majors, where course topics include number and operations, geometry, measurement, algebra, basic probability, and data analysis and connections to state and national student and teacher preparation standards. Train and supervise graduate teaching assistants for these courses. Work with faculty, staff, and graduate students in coordinating courses, designing courses, carrying out instructional goals, and testing. Opportunity for summer teaching. Starting academic salary is in the \$54,000 to \$61,000 range, commensurate with experience

Applications

Applications must include a cover letter, CV (with a list of references), unofficial transcripts, teaching statement, and diversity statement. Please include your experience with elementary education students, K-12 education, undergraduate education, and a diverse student body. 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 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. Candidates must have the ability to work in the US without immigration sponsorship from Purdue University.

Submit applications via: [SuccessFactors](#). Applications are considered on a continuing basis, and all applications received by November 15, 2021 will be given full consideration. A background check will be required for employment in these positions

EOE Statement

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.



MATH ALLIANCE PARTNER INSTITUTION

Assistant/Associate Professor in Mathematics/Data Science Position Announced at Purdue University

PURDUE UNIVERSITY 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

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.

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.

Applications

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 this site. 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.

EOE Statement

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.



MATH ALLIANCE PARTNER INSTITUTION

Assistant/Associate Professor Positions in Mathematics Announced at Purdue University

PURDUE
UNIVERSITY

The Department of Mathematics in the College of Science at Purdue University invites applications for multiple appointments in Mathematics at the level of assistant/associate professor. These appointments would start in August 2022.

Qualifications

These positions come at a time of engaged leadership and growth in the College of Science – Purdue’s second-largest college, comprising the mathematical, physical and life sciences. These positions are an important 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. Research within the Department of Mathematics spans multiple areas of pure and applied mathematics and extends to collaborations with partners across science and engineering. For more information about our department, see www.math.purdue.edu.

A successful candidate 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. Candidate 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:

A successful candidate is 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 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.

Purdue University’s Department of Mathematics and the College of Science are 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.

Applications

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All applications received by November 1, 2021 will be given full consideration.

EOE Statement

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



MATH ALLIANCE PARTER INSTITUTION

Assistant/ Associate Professor of Practice in Mathematics Positions Announced at Purdue University

PURDUE
UNIVERSITY

The Department of Mathematics in the College of Science at Purdue University invites applications for multiple appointments as Professor of Practice in Mathematics to begin August 2022. These appointments will be at the level of Assistant/Associate Professor of Practice.

Qualifications

These positions are non-tenure track faculty positions with multi-year contracts, a promotion track, and a focus on undergraduate teaching and course administration. Duties will typically consist of teaching 5 courses each academic year, including large-lecture courses, course coordination, and/or other related administrative activities. Successful applicants will have a record of excellence in teaching, have the ability to teach a range of courses in the undergraduate curriculum, have enthusiasm for teaching, mentoring, and interacting with undergraduate students (including students traditionally underrepresented in mathematics), be willing to observe classes and offer teaching advice to new instructors, and have experience in course management software and online homework systems. Teaching experience at the level of science and engineering calculus, especially multivariable calculus, or above is highly desirable. Candidates must have a Ph.D. (or its equivalent) in mathematics or a closely related field. For more information about our department, see www.math.purdue.edu.

Professors of Practice faculty will be involved in departmental activities and have professional development opportunities. Salary and benefits are competitive.

Applications

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 teaching statement, (5) a diversity and inclusion statement as indicated below, and (6) at least three letters of recommendation focused on 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 this site. 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 November 15, 2021 will be given full consideration.

Purdue University's Department of Mathematics and the College of Science are 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.

EOE Statement

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.



MATH ALLIANCE PARTNER INSTITUTION

Visiting Assistant Professor Positions in Mathematics Announced at Purdue University

PURDUE
UNIVERSITY

The Department of Mathematics in the College of Science at Purdue University invites applications for multiple three-year positions as Golomb Visiting Assistant Professor (for new and very recent Ph.D.s). These positions come at a time of dynamic leadership and with significant investment in the College of Science - Purdue's second-largest college, comprising the mathematical, physical and life sciences. For information about our department, see www.math.purdue.edu.

Qualifications

These positions will commence August 2022 and are open to mathematicians who demonstrate exceptional research promise and a strong teaching record. Ph.D. (or its equivalent) in mathematics or closely related field by August 10, 2022 is required. Successful candidates will have research interests in common with Purdue faculty and a record of early research excellence.

Duties include continued research production, engagement with faculty and students, and teaching of undergraduate and graduate mathematics courses.

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 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

Applications

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, (6) a diversity and inclusion statement indicating past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion, and (7) three 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 iswanso@purdue.edu. All applications received by November 30, 2021 will be given full consideration. Some offers will be made before the end of January 2022. A background check will be required for employment in these positions.

EOE Statement

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



MATH ALLIANCE PARTNER INSTITUTION

Tenure-Track Assistant Teaching Professor Position in Biostatistics Announced at the University of Washington



BIostatISTICS
SCHOOL OF PUBLIC HEALTH

The Department of Biostatistics within the School of Public Health at the University of Washington (UW) is a leading center of excellence for the development and application of statistical methods and theory in health sciences. It has longstanding partnerships with many local research institutes and with the Department of Statistics, with which it shares core courses in its rigorous training programs. More information can be found at <https://www.biostat.washington.edu/about>.

The Department of Biostatistics invites applications for one faculty position at the rank of Assistant Teaching Professor without tenure. This is a full time (100% FTE), 12-month service period position with an anticipated start date of Fall 2022. The position is non-tenure eligible. Salary will be based on qualifications and experience.

The successful candidates will:

- i. teach 4 – 6 Biostatistics courses per year (quarter system) including both undergraduate and graduate courses.
- ii. provide educational leadership in the Department's teaching program with emphasis on innovative pedagogy and attention to diversity, equity and inclusion;
- iii. contribute to the departmental community by engaging in seminars and departmental outreach activities;
- iv. play an active role in Department, School and University leadership, for example, by engaging in governance, serving on key committees, and helping to continually update educational vision and strategy.

QUALIFICATIONS. Candidates must have a PhD (or foreign equivalent) in biostatistics, statistics, or a related field and must have demonstrated excellence in teaching Biostatistics and/or Statistics at the university level.

APPLICATION INSTRUCTIONS. All applicants are asked to submit:

1. a cover letter describing what you see as your future potential contribution to the educational mission of the Department;
2. an up-to-date curriculum vitae detailing publication, teaching and (if applicable) funding history;
3. a statement describing your teaching values, and practices; please comment on your perspective regarding different teaching modalities, engaging students from varied disciplines and mathematical backgrounds, and teaching at scale.
4. a statement describing demonstrated commitment and activity in support of diversity, equity and inclusion;
5. contact information for three (3) references.

This institution is using Interfolio to conduct this search. Applicants can submit all application materials free of charge via <https://apply.interfolio.com/94845>. Review of applications will begin on December 1, 2021, continuing until the position is filled. **Submitting all required documents by December 1, 2021 is strongly encouraged for full consideration.**

CONTACT INFORMATION. For questions, please contact Ashneel Reddy at bacadhr@uw.edu.

COMMITMENT TO DIVERSITY. The Department recognizes that health disparities stem from inequity, and encourages and supports the multiple identities of staff, faculty, and students including, but not limited to, socioeconomic status, race, ethnicity, language, nationality, sex, sexual orientation, gender identity and expression, culture, geography, spiritual practice, mental and physical disability, and age. It strives to develop and maintain increased representation and recognition of each dimension of diversity among its faculty, staff, and students. The department has an active Equity, Diversity and Inclusion committee. A summary of the mission and the activities of that committee can be found online (www.biostat.washington.edu/about/diversity).

The University of Washington is committed to building diversity among its faculty, librarian, staff, and student communities, and articulates that commitment in the UW Diversity Blueprint (www.washington.edu/diversity/diversity-blueprint). Additionally, the University's Faculty Code recognizes faculty efforts in research, teaching and/or service that address diversity and equal opportunity as important contributions to a faculty member's academic profiles and responsibilities (www.washington.edu/admin/rules/policies/FCG/FCCH24.html#2432).

EQUAL EMPLOYMENT OPPORTUNITY. The University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, creed, religion, national origin, sex, sexual orientation, marital status, pregnancy, genetic information, gender identity or expression,



MATH ALLIANCE PARTNER INSTITUTION



Tenure-Track Assistant Professor Position in Applied and Computational Mathematics at Arizona State University

Assistant Professor in Applied and Computational Mathematics (Job #16906)

The School of Mathematical and Statistical Sciences (SoMSS) at Arizona State University invites applications for a full-time tenure-eligible position in applied and computational mathematics at the rank of Assistant Professor. Anticipated start date is Fall 2022. The Applied and Computational Mathematics program consists approximately of 20 faculty members, and has close ties with our statistics group.

The essential duties of the position will be to conduct research on areas of applied mathematics, computational mathematics, data science, and/or mathematical modeling, publish in appropriate high-quality journals, disseminate research at conferences and colloquia, provide quality teaching and mentoring in our undergraduate and graduate programs, and participate in appropriate professional service.

Required Qualifications:

- a Ph.D. in mathematics, applied mathematics, statistics or a closely related area by August 10, 2022.
- demonstrated potential for excellence in research and teaching.
- demonstrated understanding of the importance of diversity, equity and inclusiveness in the mathematical community.

Desired Qualifications

- documented record of published research and strong potential for grant support.
- demonstrated interest in teaching and successfully mentoring a diverse student body.
- documented experiences and/or expertise indicative of strong support for individuals who have been systemically underserved in the mathematical sciences.

Women and minority candidates are encouraged to apply. ASU provides eligible employees with parental and family leave and resources for working parents (<https://math.asu.edu/family-resources>).

To apply, submit the following through mathjobs at www.mathjobs.org:

- A cover letter that briefly explains the candidate's interest in, and fit with, the position
- A curriculum vitae
- A personal statement addressing the candidate's research program
- A statement of teaching experience and philosophy
- A diversity statement that addresses the candidate's awareness and understanding of diversity, equity, inclusion, and belonging; the candidate's track record of engagement and activity related to DEIB; and the candidate's future plans and goals for engagement on DEIB as a potential faculty member at ASU
- At least four letters of recommendation; one of these letters should address the candidate's teaching qualifications

The application deadline is 5:00 pm Arizona time on November 8, 2021; only applications that are complete by the deadline will be considered. If the position is not filled, remaining applications will be considered every two weeks thereafter until the search is closed. A background check is required for employment.

The College values our cultural and intellectual diversity, and continually strives to foster a welcoming and inclusive environment. We are especially interested in applicants who can strengthen the diversity of the academic community.

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. <https://www.asu.edu/aad/manuals/acd/acd401.html> and <https://www.asu.edu/titleIX/>.



MATH ALLIANCE PARTER INSTITUTION

Postdoctoral Research Scholar Positions Announced at Arizona State University



Postdoctoral Research Scholar (Job #16985)

The School of Mathematical and Statistical Sciences (SoMSS) at Arizona State University (ASU) invites applications for Postdoctoral Research Scholar positions with an anticipated start date of fall 2022. These full-time academic year, benefits-eligible positions are renewable on an annual basis through spring 2025 contingent upon satisfactory performance, availability of resources, and the needs of the university.

Applicants must be within five years of receipt of their PhD to be considered for initial appointments and subsequent renewals.

The School of Mathematical and Statistical Sciences is committed to actively recruiting and retaining a diverse workforce and student body that includes members of systemically underserved groups. All faculty members are responsible for helping to enhance our school's collaborative and inclusive community that strives for equity and equal opportunity.

The essential duties of the position will be to conduct research in the mathematical and statistical sciences along with a teaching load that is normally three courses per year.

Required qualifications:

- a Ph.D. in the mathematical or statistical sciences or a closely related area by August 10, 2022
- demonstrated potential for excellence in research and teaching
- demonstrated understanding of and potential for success working on diversity, equity and inclusiveness issues in the mathematical community

Desired qualifications:

- a documented research record in an area that meshes with the research interests of a current faculty member or group of faculty members (SoMSS has strong research groups in analysis, combinatorics, computational mathematics, differential equations, dynamical systems, geometry, graph theory, mathematical biology, mathematics education, number theory, probability, statistics, and data science)
- demonstrated success working with diverse student and/or faculty populations

Women and minority candidates are encouraged to apply.

To apply, please submit the following through mathjobs at www.mathjobs.org:

1. A cover letter that briefly explains the candidate's interest in, and fit with, the position
2. A curriculum vitae
3. A personal statement addressing the candidate's research program
4. A statement of teaching experience and philosophy
5. A diversity statement that addresses the candidate's awareness and understanding of diversity, equity, inclusion, and belonging
6. At least four letters of recommendation; one of these letters should address the candidate's teaching qualifications

The application deadline is 4:00 pm Arizona time on December 10, 2021. Applications will continue to be accepted on a rolling basis for a reserve pool after the deadline. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is filled.

The College values our cultural and intellectual diversity, and continually strives to foster a welcoming and inclusive environment. We are especially interested in applicants who can strengthen the diversity of the academic community. Learn more about what The College of Liberal Arts and Sciences has to offer by visiting <https://thecollege.asu.edu/faculty>.

A background check is required for employment. Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law.

<https://www.asu.edu/aad/manuals/acd/acd401.html>. <https://www.asu.edu/titleIX>.

An Equal Opportunity/Affirmative Action Employer



MATH ALLIANCE PARTNER INSTITUTION

Tenure-Track Position in Mathematics Announced at the University of Washington

W UNIVERSITY of WASHINGTON

The Department of Mathematics in the College of Arts and Sciences at the University of Washington (Seattle) invites applications for a full-time, open-rank tenure-stream position. Candidates will be considered for the Assistant, Associate, or Full Professor rank, either tenure-track or tenured, depending upon experience and qualifications. This position has an anticipated start date of Autumn 2022 and will have a 9-month service period. UW faculty engage in teaching, research, and service. The successful candidate will be expected to teach a full-time load of undergraduate and graduate courses, to engage in mentoring, and to participate in service to the department and the profession.

The Department of Mathematics at the University of Washington is committed to fostering a diverse and inclusive academic community: visit <https://math.washington.edu/diversity-commitment>. We encourage applications from individuals whose backgrounds or interests align with this commitment. Candidates must include a statement in this regard in their application.

Applicants are required to have a PhD, or foreign equivalent, and an established and strong research record in mathematics. The candidate's research must be in geometry, interpreted broadly as the study of manifolds with structure; or topology, including algebraic, geometric, low-dimensional, and/or combinatorial topology.

We seek candidates who are leaders in their field, as demonstrated by their records in publication, mentoring, teaching, diversity, and service. Junior candidates are encouraged to also apply for our [tenure-track assistant professor position](#).

Applications should include a cover letter, the American Mathematical Society's Cover Sheet for Academic Employment, a curriculum vitae, statements of research, diversity, and teaching interests, and at least three letters of recommendation. The cover letter should express how the candidate hopes to fit in our department.

Review of applications will begin on November 15, 2021, and continue until the position is filled. We will request letters of recommendation from selected candidates, and once requested, those must be received by November 29, 2021.

If you have additional letters regarding teaching or research that you would like to include with your application, you may do so by uploading them via the "Additional Documents" feature on Interfolio. Candidates must include a diversity statement that addresses their contributions to diversity, equity, and inclusion. This should be a one-to-two-page statement highlighting past contributions and future plans to advance equity, diversity, and inclusion, with attention to how the applicant has supported the success of students from racial, ethnic, and gender backgrounds that are underrepresented in mathematics.

The research, teaching, and diversity statements can be organized in a variety of ways, but each should, at a minimum, communicate the following information:

1. the broad vision and long-term impact that the applicant seeks;
2. concrete examples of prior activities and accomplishments, if any, that showcase the ability of the applicant to achieve their vision;
3. immediate plans and specific strategies for addressing that vision.

The research statement should be written for a broad mathematical audience, so that any mathematician can appreciate the impact of the candidate's work, and preferably is 5–7 pages (plus references).

The teaching statement should discuss past teaching and mentoring experience and plans for improvement and development, and preferably is 1–2 pages. The diversity statement should discuss past contributions and future plans to advance diversity, equity, and inclusion. These contributions could include (but are not limited to):

- Leadership or active roles in DEI-focused organizations, e.g., Math Alliance, SACNAS, NAM, AWM, etc.
- Creating equitable and inclusive environments in an applicant's service, teaching, or organizational efforts (e.g., seminars or conferences)
- Dissemination of materials or guides for creating equitable and inclusive environments
- Intentional mentoring (formal or informal) to students from historically excluded groups

We encourage applicants to provide concrete examples of their contribution(s) as well as a detailed description of the impact of and motivation for those contributions.

Please contact Rose Choi (rosechoi@uw.edu) with any questions regarding the search. [Apply Now](#)



MATH ALLIANCE PARTNER INSTITUTION

Postdoctoral Positions in Mathematics Announced at the University of Washington



The University of Washington's Department of Mathematics invites applications for one or more non-tenure-track postdoctoral positions. The initial appointment is for a period of twelve months, full-time, with the possibility of renewal for a total period of up to three years, to begin in September 2022. Applicants are required to have a PhD, or foreign equivalent, by the starting date, and to be highly qualified to teach a full-time load of undergraduate and graduate courses while also engaging in ongoing and active independent research.

Priority will be given to applicants whose complete applications, including recommendations, are received by **December 1, 2021**. For the full job description and application, please visit <http://apply.interfolio.com/95662>.



MATH ALLIANCE PARTNER INSTITUTION



Tenure-Track Open Rank Position in Theoretical Mathematics Announced at Arizona State University

The School of Mathematical and Statistical Sciences (SoMSS) at Arizona State University invites applications for a full-time, tenure-eligible position in theoretical mathematics at the ranks of Assistant/Associate/Full Professor. Anticipated start date is Fall 2022. The Theoretical Mathematics program consists approximately of 17 faculty members, and has close ties with our Applied Mathematics group.

The essential duties of the position will be to conduct research on areas of theoretical mathematics, publish in appropriate high-quality journals, disseminate research at conferences and colloquia, provide quality teaching and mentoring in our undergraduate and graduate programs, and participate in appropriate professional service.

Required Qualifications:

- a Ph.D. in mathematics, applied mathematics or a closely related area by August 10, 2022.
- demonstrated potential for excellence in research and teaching.
- demonstrated understanding of the importance of diversity, equity and inclusiveness in the mathematical community.

Desired Qualifications

- documented record of published research and strong potential for grant support.
- demonstrated potential for establishing interdisciplinary collaborations.
- demonstrated interest in teaching and successfully mentoring a diverse student body.
- documented experiences and/or expertise indicative of strong support for individuals who have been systemically underserved in the mathematical sciences.

Women and minority candidates are encouraged to apply. ASU provides eligible employees with parental and family leave and resources for working parents (<https://math.asu.edu/family-resources>)-

To apply, submit the following through mathjobs at www.Mathjobs.org:

1. A cover letter that briefly explains the candidate's interest in, and fit with, the position
2. A curriculum vitae
3. A personal statement addressing the candidate's research program
4. A statement of teaching experience and philosophy
5. A diversity statement that addresses the candidate's awareness and understanding of diversity, equity, inclusion, and belonging; the candidate's track record of engagement and activity related to DEIB; and the candidate's future plans and goals for engagement on DEIB as a potential faculty member at ASU
6. At least four letters of recommendation; one of these letters should address the candidate's teaching qualifications

The application deadline is 5:00 pm Arizona time on November 5, 2021; only applications that are complete by the deadline will be considered. If the position is not filled, remaining applications will be considered every two weeks thereafter until the search is closed. A background check is required for employment.

The College values our cultural and intellectual diversity, and continually strives to foster a welcoming and inclusive environment. We are especially interested in applicants who can strengthen the diversity of the academic community.

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. <https://www.asu.edu/aad/manuals/acd/acd401.html> and <https://www.asu.edu/titleIX/>.

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU's Annual Security and Fire Safety Report is available online at <https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf>. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.



MATH ALLIANCE MEMBER INSTITUTION

Tenure-Track Position in Mathematics Announced at University of Alabama

The Department of Mathematics at The University of Alabama invites applications for one tenure-track position at the Assistant or Associate Professor level in algebra and related fields, beginning on August 16, 2022. The department is seeking applicants in any area of pure, applied, and interdisciplinary algebra.

The University of Alabama is a student-centered research university. The successful candidate is expected to develop a strong research program and to pursue external funding and should be committed to providing stellar education to undergraduate and graduate students. In addition, the candidate should be committed to supervising undergraduate research and graduate dissertations. Candidates must possess a doctoral degree in mathematics or a very closely related field by August 16, 2022.

Applicants should complete the online application at <https://facultyjobs.ua.edu>. The application should include a letter of application, a current curriculum vita, a research statement, a teaching statement, and three letters of recommendation (one of which concerns teaching). The recommendation letters should be submitted electronically through MathJobs (www.mathjobs.org) or should be sent electronically to: math@ua.edu.

Applications will be reviewed on an ongoing basis starting November 1, 2021 and will continue to be accepted until the position is filled.

The University of Alabama is an Equal Opportunity/Affirmative Action employer and actively seeks diversity among its employees. We especially seek applications from candidates who have followed a non-traditional educational path, who would bring a diversity of background, experience and viewpoint to the department, and who have demonstrated an ability to teach, mentor and recruit diverse groups.



MATH ALLIANCE MEMBER INSTITUTION

Postdoctoral Positions in Mathematics Announced at the University of Virginia

The Department of Mathematics at the University of Virginia, Charlottesville, VA, invites applications for two postdoctoral positions: Whyburn Research Associate and Lecturer and Mary Ann Pitts Research Associate and Lecturer. The successful candidates will be expected to conduct their own research, under supervision of a faculty mentor, and teach three courses per year. The appointment begins with the fall term of 2022, with an anticipated start date of August 23, 2022.

Please apply at https://uva.wd1.myworkdayjobs.com/en-US/UVAJobs/job/Charlottesville-VA/Pitts-Whyburn-Research-Associate-and-Lecturer_R0028974 and <https://www.mathjobs.org/jobs/list/18370>

RTG Research Associate: The Department of Mathematics at the University of Virginia, Charlottesville, VA, invites applications for two RTG (Research Training Group) postdoctoral Research Associate positions, in the fields of geometry and topology. The successful candidates will be expected to conduct their own research, under supervision of a faculty mentor, and teach two courses per year. The appointment begins with the fall term of 2022, with an anticipated start date of August 23, 2022.

Please apply at https://uva.wd1.myworkdayjobs.com/en-US/UVAJobs/job/Charlottesville-VA/RTG-Research-Associate-and-Lecturer_R0028977 and <https://www.mathjobs.org/jobs/list/18324>



MATH ALLIANCE MEMBER INSTITUTION

Tenure-Track Faculty Position Announced in Mathematics at Virginia Tech



The Virginia Tech Department of Mathematics anticipates a tenure-track opening in High Performance Computational Mathematics with a start date of August 10, 2022, at our Blacksburg, VA, campus. The successful candidate will have a strong background at the intersection of computational mathematics and advanced high performance computing. Possible specialties include, but are not limited to, numerical linear algebra, randomized numerical linear algebra, big data, mathematics of data, tensors, inverse problems, numerical PDE modeling, PDE solvers, reduced order data driven modeling, machine learning, or uncertainty quantification. Application areas of interest include, but are not limited to, geosciences, neurosciences, physics, biology, or economics.

Appointment as an Assistant Professor of Mathematics is anticipated, but exceptional senior candidates will be considered for positions of Associate Professor of Mathematics or Professor of Mathematics. Teaching and service duties will be split between the Mathematics Department and the Computational Modeling and Data Analytics (CMDA) program. The CMDA program is a collaborative effort involving faculty members from several departments, located in the College of Science's Academy of Data Science (<https://data.science.vt.edu>). The college's recently launched Academy of Data Science embodies Virginia Tech's commitment to its land-grant mission of using leadership in teaching, research, and service to address society's pressing problems.

Job requirements include a Ph.D. in mathematics or a related field at the time of appointment and expertise in advanced high performance computing. Position will require occasional travel to conferences and meetings. The successful candidate will be expected to establish a distinguished research program and to provide effective instruction and advising to a diverse population of undergraduate and graduate students. Additional responsibilities include: continuing development of professional capabilities and scholarly activities, including travel to professional meetings; curriculum development, in particular enhancing the computing aspects of the Mathematics and CMDA curricula; participation in department, college, and university governance; and professional service.

An online application is required. To apply, please visit www.jobs.vt.edu, select "Apply Now," and search by posting number **518015**. Please include a cover letter, a CV, a research statement, a teaching statement, and a diversity statement as part of the online application. Each applicant should follow the instructions in the online application system to request that four references submit letters of recommendation, or letters can be emailed to compmath21@math.vt.edu. Additional information about position requirements and responsibilities can be found at the following url's: <http://www.hr.vt.edu> or <https://www.math.vt.edu>. The faculty handbook (at <https://faculty.vt.edu/faculty-handbook.html>) gives a complete description of faculty responsibilities. Questions about the search may be addressed to: compmath21@math.vt.edu

Applications received by November 29, 2021, will receive full consideration.

Virginia Tech is committed to supporting the success of its faculty members through policies that include the modification of duties, the extension of tenure clocks, mentoring, proposal-writing guidance, and dual-career accommodations, depending on individual circumstances. Interviewed candidates will meet with a work-life liaison for a confidential conversation about details of these policies.

Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or veteran status, or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees or applicants, or on any other basis protected by law.

For inquiries regarding non-discrimination policies, contact the Office for Equity and Accessibility at 540-231-2010 or Virginia Tech, North End Center, Suite 2300 (0318), 300 Turner St. NW, Blacksburg, VA 24061. Individuals with disabilities desiring accommodations in the application process should notify Ms. Glenda Dalton (gl Dalton1@vt.edu, 540-231-6536) or call TTY 1-800- 828-1120 by November 29, 2021.



MATH ALLIANCE MEMBER INSTITUTION

Postdoctoral Fellowship Position in Mathematics Announced at University of Pittsburgh

The **Department of Mathematics at the University of Pittsburgh** (Oakland campus) invites applications for a two-year postdoctoral fellow in Numerical Analysis and Scientific Computing, to begin in the Fall Term 2022, pending budgetary approval. Responsibilities include maintaining an active research program, teaching three courses per year, and participating in research seminars.

Required Qualifications:

Completion of a Ph.D. degree in mathematics or a closely related field is required prior to the start of appointment. Applicants should have some form of experience teaching in mathematics.

Application Instructions:

A complete application consists of: (1) curriculum vitae including courses taught and list of programming skills, (2) statement of research interests, (3) at least two letters of recommendation, and (4) a cover letter for the application briefly commenting on fit for the position and evidence of commitment to diversity and inclusion. Review of completed applications will begin on December 13, 2021 and will continue until the position is filled. Applicants should apply online at: <https://www.join.pitt.edu/>

Any questions about the application process can be directed to Dana Freund at daf125@pitt.edu. The Dietrich School of Arts and Sciences is committed to fostering a diverse, inclusive environment.

The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer and values equality of opportunity, human dignity and diversity. EOE, including disability/vets.



MATH ALLIANCE MEMBER INSTITUTION

Tenure-Track Assistant Professor Position in Mathematics Announced at Georgia State University

The Department of Mathematics and Statistics at Georgia State University invites applications to fill a tenure-track Assistant Professor position in Applied or Computational Mathematics or Bioinformatics with a start date of August 2022.

Candidates in all areas of applied mathematics and bioinformatics are encouraged to apply. At time of appointment, applicants should have a PhD in Mathematics, Applied or Computational Mathematics, or closely related field. Preference will be given to candidates with postdoctoral experience. Candidates will be expected to demonstrate a commitment to excellence in research and teaching, as well as mentoring undergraduate and graduate students of diverse backgrounds, and have a strong desire to work in a cross-disciplinary, collaborative environment.

The Department offers B.S., M.S., and Ph.D. degrees in various areas of mathematics and statistics. Faculty members in the Department established nationally and internationally recognized research programs in both pure and applied mathematics and statistics, including applied algebra, dynamical systems, complex networks, machine learning, inverse problems, mathematical biology, computational mathematics, systems biology, modeling neural, cardiovascular, and multiorgan systems, physical and biomedical image analysis, as well as in collaboration with other GSU departments in epidemiology, pathogen genetics, immunology, and inflammation, and translational biomedical sciences. For more information please visit our website at <https://www.mathstat.gsu.edu/>.

GSU, the largest university in Georgia, is an enterprising urban research university located in downtown Atlanta and home to one of the most diverse student bodies in the country. It is a national leader in applying innovative measures to drive student success and research growth. Georgia State University is committed to diversifying its faculty and generating innovative research. We strongly encourage applications from members of underrepresented groups.

Applicants should submit: 1) a cover letter outlining qualifications and research interests, 2) a curriculum vitae with a publication list and (optional) a teaching and funding list, 3) a research statement, and 4) a teaching statement with evidence of teaching effectiveness. All materials should be submitted online at <http://www.mathjobs.org>. Applicants should also arrange for three letters of recommendation to be submitted online at <http://www.mathjobs.org>.

A formal review of applications will begin on November 15, 2021, and will continue until the position is filled.

An offer of employment will be conditional upon background verification. Georgia State University is an Equal Opportunity Employer and does not discriminate against applicants due to race, ethnicity, gender, veteran status, or on the basis of disability or any other federal, state, or local protected class.



MATH ALLIANCE MEMBER INSTITUTION

Postdoctoral Fellowship Position in Math Biology Announced at University of Pittsburgh

The **Department of Mathematics at the University of Pittsburgh** (Oakland campus) invites applications for a two-year postdoctoral fellow in Mathematical Biology, to begin in the Fall Term 2022, pending budgetary approval.

Candidates may be expected to participate in discussions with experimentalists and analysis of data as part of their research. Responsibilities include maintaining an active research program, teaching three courses per year, and participating in research seminars.

Required Qualifications:

Completion of a Ph.D. degree in mathematics or a closely related field is required prior to the start of appointment. Applicants should have some form of experience teaching in mathematics.

Application Instructions:

A complete application consists of: (1) curriculum vitae including courses taught and list of programming skills, (2) statement of research interests, (3) at least two letters of recommendation, and (4) a cover letter for the application briefly commenting on fit for the position and evidence of commitment to diversity and inclusion. Review of completed applications will begin on December 13, 2021 and will continue until the position is filled. Applicants should apply online at: <https://www.join.pitt.edu/>

Any questions about the application process can be directed to Dana Freund at daf125@pitt.edu. The Dietrich School of Arts and Sciences is committed to fostering a diverse, inclusive environment.

The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer and values equality of opportunity, human dignity and diversity. EOE, including disability/vets.



MATH ALLIANCE MEMBER INSTITUTION

Tenure-Track Assistant Professor Position in Math Biology Announced at the University of Pittsburgh

The Department of Mathematics at the University of Pittsburgh invites applications for a tenure-track faculty position at the Assistant Professor level in the area of Mathematical Biology to begin in the fall term of 2022, pending budgetary approval. We seek outstanding candidates with expertise in developing and applying mathematical methods to address biological questions, who will complement and enhance our existing strength in this area. We are dedicated to the mutual success of our faculty and students in our research and education enterprise. The University of Pittsburgh is an active center for interdisciplinary research in the life sciences, offering exciting opportunities for collaborations across departments as well as with our highly ranked medical school and nearby Carnegie Mellon University. The University is currently ranked third in the nation in total NIH funding.

Successful candidates will have a Ph.D. in Mathematics or another quantitative field and should demonstrate substantial research accomplishment and dedication to teaching. Review of applications will begin on November 15, 2021, and will continue until the position is filled.

Applicants can apply online at: <https://www.join.pitt.edu/> (under Faculty Positions, Keyword search for Mathematical Biology or Mathematics). Candidates should submit (a) a cover letter, (b) a CV, (c) a statement of research accomplishments and future plans, (d) a brief description of teaching experience and interests, and (e) a brief description of how your research, teaching or service demonstrates a commitment to diversity and inclusion. Applicants should also have (f) at least three letters of reference emailed to math@pitt.edu by **November 15, 2021**.

Any questions about the application process can be directed to Dana Freund at daf125@pitt.edu.

The Dietrich School of Arts and Sciences is committed to building and fostering a culturally diverse environment, so the ability to work effectively with a wide range of individuals and constituencies in support of a diverse community is essential.

The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer and values equality of opportunity, human dignity, and diversity. EOE, including disability/vets.



MATH ALLIANCE MEMBER INSTITUTION

Tenure-Track Faculty Position in Mathematics Announced at Virginia Tech



The Virginia Tech Department of Mathematics anticipates a tenure-track opening in Stochastic Differential Equations or other areas of Stochastic Analysis with a start date of August 10, 2022, at our Blacksburg, VA, campus. The successful candidate will have a strong background in the analysis of stochastic, random, or ergodic systems, or closely related areas. Possible specialties include, but are not limited to, functional analysis, geometric analysis, harmonic analysis, stochastic analysis, stochastic ordinary differential equations, stochastic partial differential equations, theory of partial differential equations, dynamical systems, mathematical physics, or applications of at least one of these areas. The successful candidate will have the opportunity to engage in interdisciplinary research, curriculum development, and/or outreach initiatives with other members of the Virginia Tech faculty.

Appointment as an Assistant Professor of Mathematics is anticipated, but exceptional senior candidates will be considered for positions of Associate Professor of Mathematics or Professor of Mathematics.

Job requirements include a Ph.D. in mathematics or a related field at the time of appointment and an active research program, or, for new Ph.D.'s, strong promise for developing an active research program. The successful candidate will be expected to establish a distinguished research program and to provide effective instruction and advising to a diverse population of undergraduate and graduate students. Additional responsibilities include: continuing development of professional capabilities and scholarly activities, including travel to attend conferences and meetings; curriculum development; participation in department, college, and university governance; and professional service. Position requires occasional travel to attend conferences and meetings.

An online application is required. To apply, please visit www.jobs.vt.edu, select "Apply Now," and search by posting number **518011**. Please include a cover letter, a CV, a research statement, a teaching statement, and a diversity statement as part of the online application. Each applicant should follow the instructions in the online application system to request that four references submit letters of recommendation, or letters can be emailed to stochsearch21@math.vt.edu. Additional information about position requirements and responsibilities can be found at the following url's: <http://www.hr.vt.edu> or <https://www.math.vt.edu>. The faculty handbook (at <https://faculty.vt.edu/faculty-handbook.html>) gives a complete description of faculty responsibilities. The successful candidate will be required to have a criminal conviction check as well as documentation of COVID 19 vaccination or receive approval from the university for a vaccination exemption due to a medical condition or sincerely held religious belief. Questions about the search may be addressed to stochsearch21@math.vt.edu.

Applications received by November 29, 2021, will receive full consideration.

Virginia Tech is committed to supporting the success of its faculty members through policies that include the modification of duties, the extension of tenure clocks, mentoring, proposal-writing guidance, and dual-career accommodations, depending on individual circumstances. Interviewed candidates will meet with a work-life liaison for a confidential conversation about details of these policies.

Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or veteran status, or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees or applicants, or on any other basis protected by law.

For inquiries regarding non-discrimination policies, contact the Office for Equity and Accessibility at 540-231-2010 or Virginia Tech, North End Center, Suite 2300 (0318), 300 Turner St. NW, Blacksburg, VA 24061.

Individuals with disabilities desiring accommodations in the application process should notify Ms. Glenda Dalton (gldalto1@vt.edu, 540-231-6536) or call TTY 1-800- 828-1120 by November 29, 2021.



MATH ALLIANCE MEMBER INSTITUTION

Two Tenure-Track Positions in Statistics Announced at University of Michigan



The Department of Statistics at the University of Michigan, Ann Arbor, invites applications for two opportunities, to start on August 30, 2022. One is a tenure-track assistant professor position, although exceptional candidates at higher ranks may be considered subject to additional approval from the administration. The second opportunity is to apply through [the LSA Collegiate Fellows program](#) for those eligible (see website for details); a tenure-track assistant professor offer can be made concurrently with a fellowship offer. We strongly encourage eligible applicants to apply for both positions.

A Ph.D. in statistics or a related field is required. Applicants in all research areas of statistics and data science who have demonstrated outstanding research potential, excellence in teaching and commitment to diversity will be considered. For the collegiate fellow position, we especially encourage applications in the area of fairness in machine learning.

To apply, submit your curriculum vitae, a statement of current and future research plans, a statement of teaching philosophy and experience, evidence of teaching excellence, a statement demonstrating your commitment to diversity, equity, and inclusion, up to three selected publications, and arrange for three recommendation letters to be sent directly. Apply directly to the Assistant Professor position on mathjobs.org (also upload your academic transcript) and to the Collegiate Fellow position on <https://lsa.umich.edu/ncid/fellowships-awards/lsa-collegiate-postdoctoral-fellowship.html> (also upload your dissertation abstract, and limit selected publications to one).

Assistant professor position is a university-year (9 months) appointment.

Application deadline for both positions is November 1, 2021.

We strongly encourage all qualified individuals and particularly women and minorities to apply. The University of Michigan is supportive of the needs of dual career couples and is an equal opportunity/affirmative action employer.



MATH ALLIANCE MEMBER INSTITUTION

Tenure-Track Assistant Professor Position in Mathematics Announced at George Mason University

The George Mason University, Department of Mathematical Sciences invites applications for one tenure-track position at the rank of Assistant Professor, to begin in August 2022. George Mason University has a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff, and strongly encourages candidates to apply who will enrich Mason's academic and culturally inclusive environment.

About the Department: George Mason University, located outside of Washington, D.C., is the largest public university in Virginia, and has grown rapidly in the past 20 years to serve the needs of its majority-minority population. The Mathematical Sciences Department offers undergraduate, Master's, and Ph.D. programs in pure, applied, and computational mathematics. High-level research across a variety of disciplines is strengthened through collaborations with local government/industry partners and nearby universities. High-quality teaching and community engagement is achieved through innovative strategies including extensive outreach work, active learning, hands-on undergraduate research, and graduate internships; with a high success rate among both undergraduate and graduate students. For more information about the department, visit us on the web at math.gmu.edu

Responsibilities: The successful candidate will be expected to teach at both the undergraduate and graduate levels and to support the department's undergraduate, M.S., and Ph.D. programs in Mathematics.

Required Qualifications: Candidates must possess a Ph.D. degree by August 25, 2022, and must have strong records in both research and teaching.

Preferred Qualifications: Candidates with postdoctoral experience and a strong vision for promoting diversity and inclusion are preferred; Preference will be given to candidates whose research interests align with those of the department; The search will focus on applicants with expertise in the areas of analysis, number theory, and topology, but all disciplines will be considered.

Special Instructions to Applicants: For full consideration applications must be submitted online at <https://jobs.gmu.edu/> and received by December 1, 2021, however applications will be accepted until the position is filled. Applications must include a cover letter, curriculum vitae, research statement, teaching statement and at least four letters of recommendation, one of which discusses teaching. Other correspondence may be directed to math@gmu.edu or by regular mail to: Search Committee (Tenure-Track Assistant Professor) Department of Mathematics Sciences Exploratory Hall, Room 4400 Mail Stop 3F2 George Mason University Fairfax, VA 22030

Equity Statement: George Mason University is an equal opportunity/affirmative action employer, committed to promoting inclusion and equity in its community. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability or veteran status, or any characteristic protected by law.



MATH ALLIANCE MEMBER INSTITUTION

Postdoc Position in Mathematics Announced at North Carolina State University

NC STATE UNIVERSITY

The Department of Mathematics at North Carolina State University has an open postdoctoral position under its NSF funded Research Training Group RTG, DMS-1745654 in Randomized Numerical Analysis. The position is restricted to US citizens, nationals and permanent residents. The postdoctoral associate must hold a PhD in mathematics or a closely related discipline awarded after January 1, 2021 and the applicant should not have any prior postdoc appointments. An exception to this rule, occasioned for instance by a career interruption, may be requested in the cover letter.

The postdoctoral associate is expected to engage in research related to at least one of the three complementary research thrusts of the project in randomized numerical linear algebra, random nonlinear solvers, and global sensitivity analysis. Based on background, strengths and interests, the postdoc will be assigned one research mentor from the faculty associated with the RTG: Alen Alexanderian, Mohammad Farazmand, Pierre Gremaud, Mansoor Haider, Ilse Ipsen, Hangjie Ji, Tim Kelley, Arvind Saibaba, Ralph Smith, and Fatma Terzioglu. An academic mentor will be chosen from this group to oversee the postdoc's training and professional development. The postdoc will also play a leading role in mentoring students associated with some of the project's working groups; they will be expected to assist in organizing seminars and activities related to the general research of the RTG. In addition, the postdoc will teach on average one course per semester in the Department of Mathematics.

Inclusiveness and diversity are critical to the success of the College of Sciences and the University. The selected candidate will be expected to foster an environment that is supportive and welcoming to all groups. This position is for a term of up to three years, contingent upon performance. The starting date is anticipated between March and August 2022. The 11 month salary of \$62,500 includes summer support. In addition, the postdoc will be given an annual travel budget of \$3,000.

Through the [mathjobs.org](https://www.mathjobs.org) system (<https://www.mathjobs.org/jobs/list/18060>), applicants should submit a cover letter, a CV, a research statement and the names of at least three potential letter writers. Women and members of under-represented minority groups are particularly encouraged to apply. Applications will be evaluated on a rolling basis until the position is filled; please apply as soon as possible. Inquiries may be directed to Pierre Gremaud (RTG Director): gremaud@ncsu.edu.

The deadline for full consideration is November 15, 2021, although later applications will be considered as resources permit.



MATH ALLIANCE MEMBER INSTITUTION

Fixed-Term Research Associates in Mathematics Announced at Michigan State University

The [Department of Mathematics](#) at [Michigan State University](#) invites applications for Fixed-Term Research Associates with a starting date of Fall 2022. These positions are to support the research activities of currently funded external research grants as outlined in the grants statement of work and budget. The positions are either academic or annual year, and are benefits eligible that are potentially renewable on an annual basis through Spring 2025 contingent upon satisfactory performance and availability of funding. Candidates will be evaluated on their potential in research and teaching.

Candidates are required to have a Ph.D. in Mathematics by August 10, 2022. Applications from all areas of mathematical research will be considered. Research Associates will be paired with faculty mentors with whom they have compatible research interests and will engage in our active instructional mentoring program.

Applicants should submit a curriculum vitae, statements on research and on teaching, and arrange for at least four (4) letters of recommendation to be submitted, one of which must specifically address the applicant's teaching experiences. It is helpful if the cover letter indicates if the applicant wishes to be considered by specific MSU faculty.

Applications should be submitted via [mathjobs.org](https://www.mathjobs.org). Submit your application directly at <https://www.mathjobs.org/jobs/list/18643>.

The evaluation process will begin on December 1, 2021, and review of applications will continue until the position is filled. A background check is required for employment.

Equal Employment Opportunity Statement: *All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identify, national origin, citizenship, disability or protected veteran status.*

Together We Will Statement: The university is requiring all MSU Students, faculty and staff to be vaccinated against COVID-19 with limited exceptions. Learn more at: <https://msu.edu/together-we-will>.



MATH ALLIANCE MEMBER INSTITUTION

Tenure-Track Assistant Professor Position in Mathematics Announced at Michigan State University

The [Department of Mathematics](#) at [Michigan State University](#) invites applications for a tenure system position beginning Fall 2022. Michigan State University's Department of Mathematics represents all areas of mathematics and has leading research groups in Algebra and Algebraic Geometry, Analysis and Differential Equations, Applied Mathematics, Combinatorics, Dynamical Systems, Geometry, Number Theory, and Topology, with cross cutting research at the interfaces of these important areas. In conjunction with these research activities, the department is home to a vibrant postdoctoral program and a strong Ph.D. program. The department supports B.S. degrees in Mathematics, Actuarial Science, and Computational Mathematics, as well as an Advanced Mathematics undergraduate program, with many students continuing on to advanced degrees.

Applicants with research in all areas of mathematics will be considered, however there is a preference for research in analysis, geometry, or combinatorics. The successful candidate will have demonstrated the ability to carry out cutting edge research, commitments to teaching and mentorship of students, and initiative in building an equitable and diverse scholarly and instructional environment. While we expect the appointment to be at the assistant professor level, depending on the experience of the candidate, an appointment at the level of associate or full professor can be considered. Preference will be given to candidates with at least 2 years of experience beyond the Ph.D.

We request that applications include: (1) a 1-page cover letter that frames the application in the context of this ad and MSU's Mathematics Department and addresses the relation of the candidate's research to the areas of research preference. (2) a CV, including a list of publications, a history of external funding, contributed and invited talks, teaching and mentoring roles, contributions to the academic community, and efforts in public outreach. (3) a 2–6 page research statement highlighting past research accomplishments and future plans that frame the applicant's ability to conduct independent research. This statement should include experience or plans to advance diversity, equity, and inclusion within the mathematics research community. (4) a 2–3 page teaching statement describing the applicant's experience in instruction and research mentoring of graduate and undergraduate students, including experiences or plans to create an inclusive and equitable learning environment for students. (5) 4 letters of reference. Three of these letters should address the applicant's research while one letter should address the applicant's instructional experience.

Applications should be submitted via [mathjobs.org](https://www.mathjobs.org). Submit your application directly at <https://www.mathjobs.org/jobs/list/18527>. A background check is required for employment.

Equal Employment Opportunity Statement: All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identify, national origin, citizenship, disability or protected veteran status.

Together We Will Statement: The university is requiring all MSU Students, faculty and staff to be vaccinated against COVID-19 with limited exceptions. Learn more at: <https://msu.edu/together-we-will>.

The evaluation process will begin on **November 15, 2021**, and review of applications will continue until the position is filled. Questions may be directed to the chair of the search committee, Prof. Xiaodong Wang (xwang@msu.edu). Applicants are encouraged to explore the MSU Department of Mathematics website at <https://math.msu.edu>.



MATH ALLIANCE MEMBER INSTITUTION

Postdoctoral Research Associate Positions in Mathematics Announced at Michigan State University

The [Department of Mathematics](#) at [Michigan State University](#) invites applications for Fixed-Term Department Postdoctoral Research Associates with a starting date of Fall 2022. These positions comprise the department postdoctoral fellows that contribute to the research and instructional mission of our unit. These are academic year, benefits eligible positions that are potentially renewable on an annual basis through Spring 2025 contingent upon satisfactory performance and availability of funding. Candidates will be evaluated on their potential in research and teaching.

Candidates are required to have a Ph.D. in Mathematics by August 10, 2022. Applications from all areas of mathematical research will be considered. Research Associates will be paired with faculty mentors with whom they have compatible research interests and will engage in our active instructional mentoring program.

Applicants should submit a curriculum vitae, statements on research and on teaching, and arrange for at least four (4) letters of recommendation to be submitted, one of which must specifically address the applicant's teaching experiences. It is helpful if the cover letter indicates if the applicant wishes to be considered by specific MSU faculty.

Applications should be submitted via [mathjobs.org](https://www.mathjobs.org). Submit your application directly at <https://www.mathjobs.org/jobs/list/18645>.

The evaluation process will begin on December 1, 2021, and review of applications will continue until the position is filled. A background check is required for employment.

Equal Employment Opportunity Statement: *All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identify, national origin, citizenship, disability or protected veteran status.*

Together We Will Statement: The university is requiring all MSU Students, faculty and staff to be vaccinated against COVID-19 with limited exceptions. Learn more at: <https://msu.edu/together-we-will>.



MATH ALLIANCE MEMBER INSTITUTION

Tenure-Track Assistant Professor Position in Statistics at the University of California, Irvine

The Department of Statistics (www.stat.uci.edu) in the Donald Bren School of Information and Computer Sciences (ICS) at the University of California, Irvine (UCI) invites applications for a tenure-track faculty position at the assistant rank level beginning July 1, 2022.

Candidates should apply by Monday, Nov 8, 2021 at 11:59pm (Pacific Time) to ensure full consideration by the committee.

The application link is: <https://recruit.ap.uci.edu/JPF07039>.

Applications will continue to be accepted on the website until Nov 29, 2021, but those received after Nov 8, 2021 will only be considered if the position has not yet been filled.

The Department of Statistics has a strong interdisciplinary flavor, focused on developing state-of-the-art methods for solving topical data-driven problems in science and engineering, and advancing the statistical theory that underlies those methods. We are searching for faculty with strong research potential, a commitment to excellence in teaching, and enthusiasm for helping our collegial department continue to grow. Applicants should hold a Ph.D. degree (or expected by fall 2022) in statistics, biostatistics or a related field. Candidates with research interests in all areas of statistics will be considered.

The University of California, Irvine is part of the premier public university system in the world. UCI is a member of the Association of American Universities (AAU), is ranked as a top ten public university by U.S. News and World Report, and was identified by the New York Times as No. 1 among U.S. universities that do the most for low-income students. UCI has done what no other school has done—rank among Sierra's Top 10 most sustainable colleges for ten years in a row, and was ranked number 1 in 2018 and 2019. UCI is located in Orange County, 4 miles from the Pacific Ocean, 45 miles south of Los Angeles. Irvine is one of the safest communities in the U.S. and offers a very pleasant year-round climate, numerous recreational and cultural opportunities, and one of the highest-ranked public school systems in the nation. All positions would be eligible to participate in UCI's faculty housing program.

Completed applications containing a cover letter, curriculum vita, graduate transcripts, statements on diversity, teaching, and research, three letters of recommendation, and sample research publications should be uploaded electronically.

The University of California is committed to creating and maintaining a community dedicated to the advancement, application, and transmission of knowledge and creative endeavors through academic excellence, where all individuals who participate in University programs and activities can work and learn together in a safe and secure environment, free of violence, harassment, discrimination, exploitation, or intimidation. The University of California, Irvine is an Equal Opportunity/Affirmative Action Employer advancing inclusive excellence. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, protected veteran status, or other protected categories covered by the UC nondiscrimination policy.

Please refer to the following website for instructions <https://recruit.ap.uci.edu/JPF07039>.



MATH ALLIANCE MEMBER INSTITUTION

Director of Introductory Mathematics Position Announced at Virginia Commonwealth University

The Department of Mathematics and Applied Mathematics at Virginia Commonwealth University invites applications for a non-tenure-track Director of Introductory Mathematics, beginning July 1, 2022. The Director oversees and coordinates all aspects of the Introductory Mathematics program, encompassing all courses prior to and including Calculus I.

A complete description of the responsibilities, qualifications, and application materials **due by December 1, 2021**, can be found at <https://www.mathjobs.org> and <https://www.vcujobs.com/postings/109933>.



MATH ALLIANCE MEMBER INSTITUTION

Multiple Tenure-Track Positions in Statistics Announced at North Carolina State University

NC STATE UNIVERSITY

The Department of Statistics at North Carolina State University seeks to hire multiple tenured/tenure-track faculty. All ranks will be considered. The start date is August 16, 2022.

Applicants with interests and expertise in theoretical or methodological research in any area of statistics or biostatistics will be considered. Candidates with interests in data science, machine learning, and modern methods of data analysis more generally are encouraged to apply. The ability and desire to supervise graduate student research and to pursue excellence in teaching are essential.

The position carries responsibilities for teaching, conducting scholarly research, advising students, and contributing to program development and scholarly activities in the department. Quality teaching and research leading to publications in scholarly journals are prerequisites for advancement.

Teaching responsibilities will include undergraduate and graduate level courses in statistics. The person in this position is expected to develop/continue vigorous, nationally recognized research programs and is expected to serve as research adviser for doctoral students. The employee is expected to obtain/continue external support for research through competitive grants and to communicate the results to the statistics, biostatistics, bioinformatics, or related communities by publishing regularly in refereed journals and by presenting at professional meetings and in other departments at NC State and other universities.

The incumbent will also be expected to foster an environment that is supportive and welcoming of all groups.

Position Qualifications

Must have a PhD in Statistics or Biostatistics or related field. The successful candidate will be expected to develop an externally funded research program, and demonstrate a commitment to excellence in research and teaching. The candidate should have a strong capacity to teach at both the undergraduate and graduate levels, and the desire to mentor graduate students.

Application Instructions

In addition to your application please submit a CV, cover letter, research statement, and the contact information for at least three (3) professional references.

To submit an application, visit <https://jobs.ncsu.edu/postings/146782>

The committee will begin reviewing applications November 1, 2021.

Email: BRIAN_REICH@NCSTU.EDU



MATH ALLIANCE MEMBER INSTITUTION

Tenure-Track Faculty Position in Mathematics at Northeastern University

Northeastern University invites applications for a tenure-track/tenure Assistant/Associate Professor position, in the field of Mathematical Foundations of Modeling and Optimization in Science and Engineering. The primary appointment will be in the Department of Mathematics with joint appointments in other Colleges including Khoury College of Computer Sciences and the College of Engineering. Appointments will have the opportunity to collaborate in cross-disciplinary teams across the University and will complement existing strengths. Relevant fields of study include Applied Analysis, Partial Differential Equations, Imaging, Discrete and Computational Mathematics, Probability, Optimization, and Network Science. We seek individuals to make research contributions at the interface between Mathematics and the Life Sciences, Engineering, or Computer Sciences. Applications are invited for positions at the rank of Assistant Professor (tenure-track) beginning in academic year 2022-2023. Exceptional senior candidates will be considered for appointment at higher ranks.

Applications will be reviewed beginning on December 15, 2021. Successful faculty at Northeastern will be dynamic and innovative scholars with a record of research and teaching excellence and a commitment to contributing to improved equity, diversity, and inclusion. Thus, strong candidates for this faculty position will have the experiences, knowledge, and skills to build their research, pedagogy, and curriculum in ways that reflect and enhance this commitment.

Please indicate how your experience, knowledge, and skills have prepared you to contribute to this work with written statements addressing the following prompts:

- **Research statement:** Please describe the focus of your research, including the questions you have identified, the funding you have received to support the work (if applicable), the results you have discovered, and the products of these efforts. Please also describe any research you have undertaken with students, with the external community, and/or with individuals from marginalized groups. Finally, please outline the research directions you foresee pursuing in the College of Science.
- **Teaching statement:** Please summarize your past instructional and mentorship experiences, your pedagogical philosophy, your plans/goals for teaching in the College of Science (including existing and proposed courses), and your strategies for teaching and mentoring a diverse cohort of undergraduate and graduate students.
- **Equity statement:** Please provide an example of a time when you altered or changed your approach to research, teaching, or service because of the diversity of the group you were working with or your awareness of marginalized populations. What changes did you make? Did they have the effects that you hoped for at the time? What did you learn from this situation? How would you expect to apply what you learned from this situation as a faculty member in the College of Science? We are interested in how you handled and learned from a past situation, not the identities of the people involved, so please only disclose what you are comfortable with.

Northeastern University is an equal opportunity employer, seeking to recruit and support a broadly diverse community of faculty and staff. Northeastern values and celebrates diversity in all its forms and strives to foster an inclusive culture built on respect that affirms inter-group relations and builds cohesion. All qualified applicants are encouraged to apply and will receive consideration for employment without regard to race, religion, color, national origin, age, sex, sexual orientation, disability status, or any other characteristic protected by applicable law. To learn more about Northeastern University's commitment and support of diversity and inclusion, please see: www.northeastern.edu/diversity.

Northeastern University is an equal opportunity employer, seeking to recruit and support a broadly diverse community of faculty and staff. Northeastern values and celebrates diversity in all its forms and strives to foster an inclusive culture built on respect that affirms inter-group relations and builds cohesion. For more information see: <https://provost.northeastern.edu/odei/>.

[To Apply](#) or [For more Information](#)



MATH ALLIANCE MEMBER INSTITUTION

Zelevinsky Postdoctoral Fellow Positions in Mathematics Announced at Northeastern University

The Department of Mathematics invites applications for Zelevinsky Postdoctoral Fellows (ZPF) for the Fall semester of 2022. The Zelevinsky Postdoctoral Fellow appointments have a three-year term which is non-tenure-track and non-renewable. The position provides promising mathematicians the opportunity to begin their careers in an active and stimulating research environment, with teaching assignments and ample opportunity for contact with senior research mathematicians. Applications from areas of both pure and applied mathematics are welcome.

Applicants should have a commitment to high quality classroom instruction. They are also expected to conduct research at a high level. The teaching load for the ZPF position is three courses per year. Candidates are required to have received a Ph.D. degree or equivalent in the field of Mathematics by the start of the appointment.

Applications are welcome from those with prior academic and/or postdoctoral research experience. Applicants should have strong research potential. Field of research should be consonant with the current research interests of the department, and candidates are strongly encouraged to indicate a member or members of the Mathematics Department with overlapping research interests.

Review of applications will begin immediately. Complete applications received by **December 1, 2021** will be guaranteed full consideration. Additional applications will be considered until the position is filled.

If you are selected as a finalist for this position, you will be requested to finalize your application here: <https://careers.hrm.northeastern.edu/en-us/job/507981/zelevinsky-postdoctoral-fellow>.

Northeastern University is an equal opportunity employer, seeking to recruit and support a broadly diverse community of faculty and staff. Northeastern values and celebrates diversity in all its forms and strives to foster an inclusive culture built on respect that affirms inter-group relations and builds cohesion. For more information see: <https://provost.northeastern.edu/odei/>.

[To Apply](#) or [For more Information](#)



MATH ALLIANCE MEMBER INSTITUTION

Tenure-Track Faculty Positions Announced at Northeastern University

The College of Science at Northeastern University invites applications for multiple, cross-disciplinary tenure-track faculty positions at the rank of Assistant Professor, beginning academic years 2022-23 or 2023-24. These positions are part of the new College INVEST initiative to hire brilliant and diverse faculty across all demographics of society. Candidates who are completing their PhD or at an early stage of their postdoctoral training are encouraged to apply to these innovative tenure-track faculty appointments.

The College comprises six departments: Biology, Chemistry and Chemical Biology, Marine and Environmental Sciences, Mathematics, Physics, and Psychology. Cross-disciplinary research programs and appointments are strongly encouraged within the College, and across the University. The research areas are open and could include, but are not limited to: Human Health; Brain Function, Cognition and Mind; Microbial Resistance and Antimicrobials; Natural and Designed Chemicals and Materials; Development, Regeneration, and Aging; Inherited or Infectious Diseases; -Omic approaches; AI and machine learning applied to scientific challenges; Mathematical Modeling; Biophysics; Network Science; Particle Physics; Pure and Applied Mathematics; Quantum Materials; Environment, Ecology and Sustainability; Sustainable Energy.

Successful candidates must have been awarded a PhD degree in a relevant research area by the appointment start date. Evidence of potential as a research scientist is expected, but postdoctoral experience is not required. Candidates must be committed to excellence in undergraduate and graduate teaching. They should embrace the Northeastern emphasis on experiential education and the College philosophy that access to science education and careers must be inclusive. Candidates will articulate how their work would contribute to the University mission of advancing historically underrepresented and marginalized communities.

Interested candidates should apply [here](#), with a cover letter with contact information for three references, a curriculum vita that includes a list of publications, and separate written statements addressing each of the following prompts:

- **Research statement:** Please describe the specific research questions you have addressed; the results obtained and their interpretation; funding and awards received (if applicable); products of these efforts (publications, patents, software, etc). Highlight any cross-disciplinary research efforts you have undertaken. Also describe any research you have conducted with students, with the external community, and/or with individuals from marginalized groups. Describe the future research directions you foresee pursuing in the College of Science, any cross-disciplinary and collaborative aspects, and the strategies you will take to address each direction.
- **Teaching statement:** Please summarize your past instructional and mentorship background, your pedagogical philosophy, your plans/goals for teaching in the College of Science (including existing and proposed courses), and your strategies for teaching and mentoring a diverse cohort of undergraduate and graduate students.
- **Equity statement:** Please provide an example of a time when you altered or changed your approach to research, teaching, or service because of the diversity of the group you were working with or your awareness of marginalized populations. What changes did you make? Did they have the effects you hoped for at the time? What did you learn from this situation? How would you expect to apply what you learned from this situation as a faculty member in the College of Science? We are interested in how you handled and learned from a past situation, not the identities of the people involved, so please only disclose what you are comfortable with.

Northeastern University is an equal opportunity employer, seeking to recruit and support a broadly diverse community of faculty and staff. Northeastern values and celebrates diversity in all its forms and strives to foster an inclusive culture built on respect that affirms inter-group relations and builds cohesion. For more information see: <https://provost.northeastern.edu/odei/>.

[To Apply](#)



MATH ALLIANCE MEMBER INSTITUTION

Assistant Professor in Residence Position Announced at The University of Connecticut

The Department of Statistics at the University of Connecticut invites applications for a non-tenure track position at the level of Assistant Professor in Residence. The position is suitable for candidates who wish to pursue an academic career with an emphasis on teaching and continued growth in that direction. Normal duties include a teaching load of 21 credit hours of instruction per year or the equivalent. The successful candidate may be required to undertake significant tutoring responsibility or other administrative duties with a commensurate reduction in the teaching load.

The successful candidate will have exceptional communication skills and a strong commitment to instruction, advising, and mentoring. The incumbent will teach introductory statistics courses.

For an inquiries or further information please contact Victor Hugo Lachos Davila at hlachos@uconn.edu.

Apply online: <https://academicjobsonline.org/ajo/jobs/19417>

Tenure-Track Assistant Professor in Data Science Announced at The University of Connecticut

The Department of Statistics at the University of Connecticut invites applications for a tenure-track position at the level of Assistant Professor in the area of Data Science. The Department is a highly active center of research, education, and service with regional, national, and international prestige. It is a founding member of the New England Statistical Society, for which it houses the administration.

The successful candidate will be expected to contribute to research and scholarship through extramural funding, high-quality publications, impact as measured through citations, and national recognition such as honorific awards. The successful candidate will share a deep commitment to effective instruction at the undergraduate and graduate levels, innovative courses and instruction methods, and mentoring of students in research, outreach, and professional development and contributing to the development of data science. Successful candidates will also be expected to broaden participation among members of under-represented groups; demonstrate through research, teaching, and/or public engagement the commitment to, and support of, diversity in the learning experience; integrate multicultural experiences into instructional methods and research tools; and provide leadership in developing pedagogical techniques designed to meet the needs of diverse learning styles and intellectual interests.

Apply online: <https://academicjobsonline.org/ajo/jobs/19337>.

Assistant Professor Position in Announced at the University of Delaware

The Department of Mathematical Sciences at the University of Delaware invites applications for a permanent, teaching-focused continuing track (non-tenured, rolling contract) faculty member at the rank of Assistant Professor.

Candidates must have:

- A Ph.D. in mathematics, mathematics education, or a closely related discipline. In the latter cases, the candidate must have a master's in mathematics.
- Experience as primary instructor of an undergraduate mathematics course.
- A strong commitment to developing excellence in teaching.
- A strong interest in teaching undergraduate college mathematics courses to a variety of audiences.

The successful candidate should have experience in one or more of the following:

- Teaching courses of 90+ students.
- Teaching calculus, linear algebra, or discrete mathematics.
- Supervising or training TAs.
- Working in a coordinated teaching environment (preferably as coordinator).

A full teaching load is twelve credits per semester; the successful candidate will also participate in training and supervising teaching assistants and coordinating multi-section courses, for which appropriate course release will be given. Though the main focus of the position is teaching, promotion through the professorial ranks requires research in mathematics, mathematics education, or the scholarship of teaching and learning. Scholarship is expected to represent one-eighth of the successful candidate's workload, with appropriate course release given. The expected start date is August 16, 2022.

To apply, use the [MathJobs](#) system to submit:

- an AMS cover sheet,
- a detailed cover letter outlining interest in the position and relevant skills and experience,
- a current CV,
- three letters of recommendation, and
- a statement of teaching philosophy (maximum of three pages) addressing the job qualifications described above.

Review of applications will begin on December 1, 2021 and will continue until the position is filled. Questions, but not application material, should be e-mailed to Dr. Kilikian (eirkili@udel.edu) with "CT Position" in the subject line.

The Department of Mathematical Sciences is committed to developing a diverse workforce and is interested in candidates who can teach or mentor a diverse student population. Information on the department may be obtained from the website: <http://www.mathsci.udel.edu/>.

The main campus of the University offers a traditional small-town college atmosphere in a location that affords easy access to major cultural and entertainment centers in nearby metropolitan areas. The University of Delaware main campus is located midway between New York City and Washington, D.C. (about a two-hour drive to either). It's also halfway between Philadelphia, PA, and Baltimore, MD (about a one-hour drive to each). The campus is close to the Northeast Amtrak line, minutes from the I-95 corridor, and midway between two major international airports (PHL and BWI).

The University of Delaware is an equal opportunity/affirmative action employer and Title IX institution. For the University's complete non-discrimination statement, please visit <http://www.udel.edu/aboutus/legalnotices.html>. A recipient of a NSF ADVANCE Institutional Transformation award, UD has a service to assist dual-career couples and supports work-life balance through family-friendly policies.

Tenure-Track Position in Mathematics Announced at Reed College

The Reed College Mathematics Department invites applications for a tenure track faculty position in mathematics, to begin August 2022. Applicants should have completed their PhD dissertation in mathematics or applied mathematics by time of appointment. An Equal Opportunity Employer, Reed values diversity and encourages applications from members of underrepresented groups.

Applications must be submitted through the [MathJobs.org](https://www.mathjobs.org) website at <https://www.mathjobs.org/jobs/list/18077> and should include:

- a cover letter addressing how your teaching and scholarship are suited to the liberal arts college environment,
- a CV,
- a teaching statement,
- a research statement, and
- three letters of recommendation, at least one of which addresses teaching.

We are seeking candidates with a strong research program who are able to effectively engage undergraduates from a wide range of backgrounds in research. The successful candidate is expected to teach the equivalent of five semester courses over the academic year and to supervise senior theses. The senior thesis is a cornerstone of the Reed College academic experience. It is a year-long project, required of every student, which culminates in a written document and an oral defense. Applicants are encouraged to suggest potential thesis projects and to describe their past experience mentoring student research.

Reed College is a community that values cultural diversity and inclusive educational practices as essential to the excellence of our academic program. Throughout your application materials, please describe the ways in which your past and current teaching, scholarship, mentorship, and/or community service has supported these values. Alternatively, you may include a separate statement regarding your efforts to support these values. In either case, please convey the ways in which your work at Reed will support the commitment to diversity, equity, and inclusion articulated in the College's diversity and anti-racism statements (<http://www.reed.edu/diversity/>).

Applications will be accepted until the position is filled, but they should be received by **November 24, 2021** to guarantee full consideration. Any questions may be directed to the chair of the search committee, Kyle Ormsby, at ormsbyk@reed.edu.

Lecturer Position in Mathematics Announced at Brooklyn College

Brooklyn College, a senior College of the City University of New York (CUNY), invites applications for a Lecturer at the entry level in mathematics or mathematics education in the Department of Mathematics within the School of Natural and Behavioral Sciences with a starting date in August 2022.

Responsibilities include:

- Teach and develop curricula for undergraduate courses
- Coordinating multiple sections of college algebra
- Conduct student advisement
- Share responsibility for committee and department assignments, performing administrative, supervisory, and other related functions.

QUALIFICATIONS: Bachelor's degree in area(s) of expertise, and the ability to teach successfully.

Preferred:

- Master's, Ph.D. or Ed.D. in Mathematics or Mathematics Education
- Demonstrated potential for effective teaching at the undergraduate level

COMPENSATION:

Salary commensurate with experience and credentials at the entry level. All appointments are subject to financial availability.

CUNY offers faculty a competitive compensation and benefits package covering health insurance, pension and retirement benefits, paid parental leave, and savings programs. We also provide mentoring and support for research, scholarship, and publication as part of our commitment to ongoing faculty professional development.

HOW TO APPLY:

STEP ONE – Click "Apply Now"

From our job posting system, select "Apply Now", create or log in to a user account, and provide the requested information. If you are viewing this posting from outside our system, please visit <https://cuny.jobs/brooklyn-college/new-jobs/>

Applicants should upload the following in .doc, .pdf, or .rtf format:

- An application letter indicating the desired position, and should detail how their teaching, service and/or scholarship has supported the success of students from racial, ethnic, and gender backgrounds that are underrepresented in their academic fields; applicants who have not yet had the opportunity for such experience should note how their work will further CUNY's commitment to diversity.
- Current and detailed curriculum vitae
- A one-page document describing the candidate's three-year research agenda
- Copies of publications and/or working papers

STEP TWO - Go to <https://websql.brooklyn.cuny.edu/hrref/>

All applicants are required to have three confidential letters of recommendation submitted electronically by their recommenders by visiting the link above and entering the contact information for three (3) recommenders. The online system will automatically email your recommenders a request to submit a letter via the system. Full instructions will be provided. Emailed or hard copy applications will not be considered.

CLOSING DATE:

Review of applications to begin immediately and will continue until January 15, 2022.

EQUAL EMPLOYMENT OPPORTUNITY

CUNY encourages people with disabilities, minorities, veterans and women to apply. At CUNY, Italian Americans are also included among our protected groups. Applicants and employees will not be discriminated against on the basis of any legally protected category, including sexual orientation or gender identity. EEO/AA/Vet/Disability Employer.

Teaching Scholar Track Faculty Position in Biostatistics Announced at Brown University



BROWN

School of Public Health

The Department of Biostatistics at Brown University School of Public Health is seeking exceptional candidates with demonstrated commitment to statistical and health data science education and research for a new faculty position on the Teaching Scholar track. This appointment will be made at the level of Assistant Professor on a renewable term basis. In addition to classroom teaching and student mentoring, the new faculty member will be expected to participate in and potentially lead initiatives related to building a statistical and health data science education program, and to develop and use innovative approaches to statistical and interdisciplinary education.

Candidates must have a doctoral degree in biostatistics, statistics, data science or a closely related field and demonstrated excellence or potential in classroom teaching and student advising, together with interest and potential for engaging in statistical and interdisciplinary research. Experience in multidisciplinary educational programs is preferred. All candidates must show evidence of excellent oral and written communication skills and a commitment to fostering and maintaining an inclusive, diverse and equitable educational environment. The Department of Biostatistics is strongly committed to goals and principles of the Brown University Pathways to Diversity and Inclusion initiative (<https://diap.brown.edu/plans-reports>).

The new faculty member will join the Biostatistics faculty in the Brown University School of Public Health. The department is actively engaged in methodologic and domain-area research in a variety of areas, with particular strength in the analysis of large health care databases, causal inference, Bayesian inference, diagnostic imaging evaluation and radiomics, computational biology, research synthesis, and neuroimaging. The Department is expanding its activities in research and education related to health data science and is an active member of the university's Data Science Initiative. The Department teaches a growing number of students at the undergraduate, Master's, and PhD levels. The master's program includes a health data science track. The Brown School of Public Health and the broader University offer opportunities for substantial collaboration with world class researchers in the constituent disciplines of data science as well as in a broad range of domain areas, such as health care and policy research, brain sciences, computational biology, epidemiology and behavioral sciences.

Brown University is committed to fostering a diverse and inclusive academic global community; as an EEO/AA employer, Brown considers applicants for employment without regard to, and does not discriminate on the basis of, race, color, sex, age, national or ethnic origin, disability, veteran status, sexual orientation, gender identity, gender expression, or any other characteristic protected under applicable law.

Interested applicants should apply online at <https://apply.interfolio.com/89452>. Please upload the following: letter of application, a statement on your teaching experiences, values and vision, a description of current and planned research, a diversity statement, and an updated curriculum vitae. In addition, candidates should arrange for at least three letters of recommendation to be submitted through Interfolio. Brown University is committed to increasing diversity and inclusion of underrepresented groups. In your diversity statement, please address how your past and present work demonstrates a commitment to diversity, equity and inclusion, and how you intend to continue your commitment to diversity in future work. We value the different ways this might be demonstrated through scholarship, teaching, mentoring, service and community engagement.

Application review will start shortly following the December 31, 2021 application deadline. All applications received by December 31st will receive full consideration. Applications received after the priority deadline may be reviewed until the position is filled or the search is closed. Application questions should be addressed to Denise Arver, Administrator, Department of Biostatistics, at Denise_Arver@brown.edu.

Two Tenure-Track Assistant Professor Positions in Mathematics Announced at California State University, Los Angeles

Applications are now being accepted for two Assistant Professor positions in the Department of Mathematics at California State University, Los Angeles. .

[#18066] Assistant Professor Mathematics Analysis,. Review of applications for full consideration will begin **November 7, 2021**. Applications are accepted only through <https://www.mathjobs.org/jobs/list/18066>.

[#18067] Assistant Professor of Mathematics, with emphasis in either topology, discrete mathematics, or probability/statistics. Review of applications for full consideration will begin **November 14, 2021**. Applications are accepted only through <https://www.mathjobs.org/jobs/list/18067>.

Please address all questions to the search committee chair, Silvia Heubach, at heubac@calstatela.edu.

The Department:

The department is one of 12 departments within the College of Natural and Social Sciences, which supports academic programs for approximately 7000 students. The Department of Mathematics currently has about 200 students in the Bachelor of Science program and 35 in the Master of Science program. The department has steadily increased the number of students at both the undergraduate and graduate level who participate in research opportunities to prepare them for advanced degrees. Our department faculty includes awardees of university-wide, system-wide, and regional honors. Several faculty members have received grants from NSF, NASA, and the Department of Education to support student research. Graduate students planning to enter the teaching profession can gain valuable experience as instructor of record for a range of lower-division courses. The department also hosts mathematics competitions at levels ranging from middle school through undergraduate. In addition to serving our majors, the department offers a large number of general education and STEM-service courses. Although our university is large, our class sizes are small: In Fall 2021, no section has more than 30 students. More information about our department, programs, and students can be found at www.calstatela.edu/academic/math.

Note: The person holding this position is considered a "mandated reporter" under the California Child Abuse and Neglect Reporting Act and is required to comply with the requirements set forth in CSU Executive Order 1083 as a condition of employment.

A background check (including a criminal records check) must be completed satisfactorily before any candidate can be offered a position with the CSU. Failure to satisfactorily complete the background check may affect the application status of applicants or continued employment of current CSU employees who apply for the position.

CSU requires faculty, staff, and students who are accessing campus facilities to be immunized against COVID-19 or declare a medical or religious exemption from doing so. Any candidates advanced in a currently open search process should be prepared to comply with this requirement. The systemwide policy can be found at <https://calstate.policystat.com/policy/9779821/latest/> and questions may be sent to OfficeHRM@calstatela.edu.

In addition to meeting fully its obligations under federal and state law, Cal State LA is committed to creating a community in which a diverse population can live, work and learn in an atmosphere of tolerance, civility and respect for the rights and sensibilities of each individual. To that end, all qualified individuals will receive equal consideration without regard to economic status, race, ethnicity, color, religion, marital status, pregnancy, national origin or cultural background, political views, sex, sexual orientation, gender identification, age, disability, disabled veteran or Vietnam era veteran status.

AN EQUAL OPPORTUNITY/TITLE IX EMPLOYER

Upon request, reasonable accommodation will be provided to individuals with protected disabilities to (a) complete the employment process and (b) perform essential job functions when this does not cause undue hardship.



**COLLEGE OF
SCIENCE AND
MATHEMATICS**
JAMES MADISON UNIVERSITY

James Madison University seeks a

ACADEMIC UNIT HEAD FOR THE DEPARTMENT OF MATHEMATICS & STATISTICS

Apply at [JOBLINK.JMU.EDU](https://joblink.jmu.edu), posting #F1705

The Department of Mathematics & Statistics (M&S) at JMU resides within the College of Science & Mathematics (CSM), which also includes the departments of Biology, Chemistry & Biochemistry, Geology & Environmental Science, and Physics & Astronomy. Our 54 full-time and ~20 part time/adjunct M&S faculty members are engaged in teaching and research in the areas of pure and applied mathematics, mathematics education, statistics, and data science.

Review of applications will begin on November 1, 2021. The position is open until filled.

Responsibilities Include

The AUH is responsible for the administration and overall effectiveness of the academic unit, including its academic programs, scholarship, faculty, classified personnel, budget, and resources. We seek an AUH with a strong understanding of the national trends in undergraduate education and scholarship in mathematics, statistics, and mathematics education and the future of these fields. The AUH must demonstrate a clear understanding of the importance of data science and the emerging landscape of data technology at the national level, and be able to promote, support and advance the data science initiatives in the department, the college and the university. The AUH will also guide the department in recruitment efforts to increase the number of students with majors in the department.

Qualifications

The department seeks an AUH with the following qualifications. Candidates must:

- have a record of scholarship, teaching and service that merits the rank of Professor at JMU and have a PhD in mathematics, applied mathematics, mathematics education, statistics or a closely-related field
- demonstrate a clear understanding of and a strong commitment to our research and educational activities
- have a clear vision of how to recruit and retain a diverse faculty, in particular from underrepresented populations
- have experience building and assessing curriculum and programs of interest to students, professional programs, and the workforce
- be able to increase students' opportunities for, and participation in, high-impact practices, including undergraduate research
- be able to listen to, understand and balance the needs of students, faculty and administration
- be able to maintain and advance a collegial and collaborative culture in the department that empowers faculty and students, and have a demonstrated ability to build and foster collaborative working relationships within the college, university, and other external entities
- be able to manage large groups of people and delegate responsibilities
- have a demonstrated commitment to and strong familiarity with recruitment efforts that will attract more majors to the department, in particular from underrepresented populations

**Questions? Email
Dr. Stephen A. Leslie,
lesliesa@jmu.edu**

**More information and all
qualifications are listed at
joblink.jmu.edu**

**Learn more about the
College of Science &
Mathematics
www.jmu.edu/csm**

**Department of
Mathematics & Statistics
jmu.edu/mathstat**

Assistant Professor in Statistical Machine Learning and Data Science Announced at Iowa State University

Summary of Duties and Responsibilities:

The Department of Statistics at Iowa State University seeks a tenure-track assistant professor with foundational training in statistics and expertise in statistical machine learning and/or data science. The successful candidate will develop and sustain a high-quality and high-impact research program, successfully compete for external funding, and collaborate with world-class researchers at Iowa State in statistics and other disciplines. Further, the successful candidate will engage in professional and institutional service, teach undergraduate students, and teach and advise graduate students in one of the largest statistics' graduate programs in the country.

Required Minimum Qualifications:

A Ph.D. or equivalent degree in statistics or a closely related discipline.

Preferred Qualifications:

- Foundational training in statistics with expertise in statistical machine learning and/or data science.
- Experience that demonstrates the ability to teach statistics classes at the undergraduate and graduate levels.
- Experience that demonstrates the ability to develop and sustain a high-impact research program with the potential to secure external research funding.
- Experience that demonstrates the ability to collaborate effectively with researchers in other disciplines.

Application Instructions:

Applications will be accepted until the position is filled. However, to receive full consideration, **applications should be received by 12/01/2021**. All interested, qualified persons must apply for this position [online](#).

Please be prepared to enter or attach the following:

- Cover letter
- Curriculum vitae (CV)
- Contact information for three references
- Graduate transcript(s)
- Additional documents submitted as one combined PDF:
 - ◊ Research statement
 - ◊ Teaching statement
 - ◊ Diversity, equity, and inclusion statement

For any questions regarding the application, please contact Kathy Kiesling at kiesling@iastate.edu.

Number of Months Per Year: 09 Month Work Period **Time Type:** Full Time

Iowa State University is classified as a Carnegie Foundation Doctoral/Research University-Extensive, a member of the Association of American Universities (AAU), and ranked by U.S. News and World Report as one of the top public universities in the nation. More than 30,000 students are enrolled and are served by over 6,200 faculty and staff. Iowa State University is a global and culturally diverse university committed to providing an inclusive, equitable, and diverse environment for both learning and employment. We know that diversity in experience and perspective is vital to advancing innovation, critical thinking, solving complex problems, and building an inclusive academic community. At Iowa State, we translate these values into action by seeking individuals who have experience working with diverse students, colleagues, and constituents. The university has an expectation that all employees will demonstrate a contribution to diversity and inclusion as embodied in Iowa State University's Principles of Community.

All offers of employment, oral and written, are contingent upon the university's verification of credentials and other information required by federal and state law, ISU policies/procedures, and may include the completion of a background check. Iowa State University is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, genetic information, national origin, marital status, disability, or protected veteran status and will not be discriminated against. Inquiries can be directed to the Office of Equal Opportunity, 3410 Beardshear Hall, 515 Morrill Road, 515-294-7612, email eooffice@iastate.edu.

Tenure-Track Assistant Professor Position in Geometry Announced at Boston University



The Department of Mathematics and Statistics at Boston University invites applications for a tenure-track Assistant Professor position in the field of Geometry, Ph.D. required. Applications in all areas of geometry are encouraged, including quantum field theory and other fields at the interface of modern theoretical physics. Our Department is committed to building and sustaining a diverse and cohesive community of scholars. In addition to describing their commitment to research and teaching at both the undergraduate and graduate level, we particularly encourage applicants to indicate how they can meaningfully contribute to an equitable and inclusive community in our department.

Submit cover letter, CV, research statement, teaching statement, and four recommendation letters (one of which addresses teaching) on-line to mathjobs.org.

Application deadline: December 1, 2021. The appointment start date is July 1, 2022.

We welcome applications from all eligible candidates without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law. Boston University is an equal opportunity employer and a VEVRA Federal Contractor.

Tenure-Track Position in Mathematics or Statistics Announced at Loyola Marymount University



**Loyola
Marymount
University**

The Mathematics Department of Loyola Marymount University invites applications for a tenure-track or tenured position at open rank beginning Fall 2022. Applicants are expected to have completed a Ph.D. or comparable terminal degree in mathematics, statistics, or a related field by August 15, 2022. Faculty responsibilities include teaching, advising, maintaining an active program of scholarship, and engaging in university service. The environment in the Department offers many opportunities for collaborative research, teaching, and service that actively inform and improve equity and social justice. Additional information about the LMU Mathematics Department is available online at cse.lmu.edu/department/math.

Teaching and Advising: The Mathematics Department, housed within Loyola Marymount University's College of Science and Engineering, is an inclusive community of 19 full-time faculty members and approximately 60 mathematics majors, 40 minors, and 15 Master of Arts in Teaching students. The successful candidate will teach math and/or statistics courses in the Department of Mathematics, which is particularly interested in de-colonizing its curriculum and pedagogy. The teaching load is 9 units per semester, with the possibility of a reduced teaching load in the first two years.

The Mathematics Department is committed to broadening the participation of students in STEM fields by enacting an anti-racist agenda, fostering equitable and inclusive classroom spaces, and increasing access to faculty-mentored research opportunities. A commitment to Diversity, Equity and Inclusion (DEI), including how it pertains to student success and pedagogy, should be evident in the candidate's professional activities.

Scholarship: The Department values and recognizes multiple forms of scholarship, including that related to STEM education reform and diversity, equity, and inclusion in pedagogy. The Department plans to continue drawing upon an ever-expanding broad range of faculty interests and talents and to promote vital connections with a wide variety of academic communities.

Service Toward Broadening Participation: The Mathematics Department would like to deepen and expand its commitment to improving equity, diversity, and inclusion in STEM fields by diversifying the curriculum, fostering a diverse and anti-racist community, creating, and maintaining inclusive learning environments, and offering mentorship to students from multiple backgrounds. A successful candidate must be prepared to collaborate with the department on these issues and have the potential to provide direction and leadership for some of the initiatives that arise from this collaboration.

Salary is competitive and commensurate with background and experience. LMU provides comprehensive benefit offerings and robust support for faculty. For more information about our programs visit admin.lmu.edu/hr/totalrewards/benefits and academics.lmu.edu/ofd/newfacultyorientation which links to the latest Faculty Resource Guide. Loyola Marymount University, a Carnegie classified R2 institution in the mainstream of American Catholic higher education, seeks outstanding applicants who value its mission and share its commitment to inclusive excellence, the education of the whole person, and the building of a just society. LMU is an equal opportunity employer committed to providing an environment free from discrimination and harassment as defined by federal, state, and local law. We invite all persons in the full diversity of their being, life experience, and beliefs to apply. Please read more about our commitments and our efforts at <https://resources.lmu.edu/officeofinterculturalaffairs/>.

A complete application consists of a cover letter; curriculum vitae; statement describing your commitment and contributions toward greater diversity, equity, inclusion, and anti-racism in your career; statement on teaching experience and philosophy; a description of the applicant's current and future scholarship program, and three letters of recommendation, at least one of which addresses the applicant's teaching. **Screening of applications will begin November 15, 2021.** Apply online at mathjobs.org. Please address questions to Professor Edward Mosteig, Hiring Committee Chair, at Edward.Mosteig@lmu.edu.

Tenure-Track Assistant Professor Position in Math/Stat Education Announced at Michigan State University's Lyman Briggs College

MSU invites applications for a tenure system Assistant Professor faculty position focusing on post-secondary Mathematics or Statistics Education. The faculty appointment will be 60% in LBC and 40% in MSU's Program in Mathematics Education (PRIME).

Required Degree: Doctorate

Minimum Requirements

The position requires an earned doctorate in Mathematics Education, Statistics Education, Mathematics, or Statistics; a research program in post-secondary Mathematics or Statistics Education; a strong commitment to undergraduate teaching and learning; and a strong commitment to building an equitable and diverse scholarly environment through their teaching, research, or community engagement. Applicants must have at least one year of experience as the instructor of record for undergraduate mathematics or statistics courses.

Preferred Qualifications

Preference will be given to candidates with demonstrated excellence in both teaching and research. The successful candidate will demonstrate a genuine concern for advancing diversity, equity and inclusion in STEM, particularly by engaging in high-quality teaching and mentorship of students.

Salary is commensurate with experience. Competitive start-up support will be provided.

Required application materials

Applications must be uploaded by the candidate to Careers @ MSU website, posting [#737988](#), and should include a cover letter, CV, teaching portfolio, research prospectus, and names and email addresses of four references who can address the candidate's research and teaching potential.

We actively encourage applications from -- and welcome nominations of -- mathematicians / statisticians within the LGBTQIA+ community, mathematicians / statisticians of color, veterans, mathematicians / statisticians with disabilities, and mathematicians / statisticians from other minoritized groups. MSU is an affirmative-action, equal-opportunity employer and is committed to achieving excellence through cultural diversity.

Deadline to ensure consideration of applications: 11/01/2021; review of applications will continue until the position is filled. Questions regarding this position may be directed to Dr. Robert Bell, bellro@msu.edu, Chair, Mathematics Education Search, Lyman Briggs College.

Special Instructions

The university is requiring all MSU students, faculty and staff to be vaccinated against COVID-19 with limited exceptions. Learn more at: <https://msu.edu/together-we-will/>.

To see the complete posting and to apply go to [application website](#).



Applications Open for
**AMS CONGRESSIONAL
FELLOWSHIP 2022–2023**

Apply your mathematics knowledge toward solutions to societal problems.

The American Mathematical Society will sponsor a Congressional Fellow from September 2022 through August 2023.

The Fellow will spend the year working on the staff of either a member of Congress or a congressional committee, working in legislative and policy areas requiring scientific and technical input.

The Fellow brings his/her/their technical background and external perspective to the decision-making process in Congress. Prospective Fellows must be cognizant of and demonstrate sensitivity toward political and social issues and have a strong interest in applying personal knowledge toward solutions to societal problems.

Now in its 17th year, the AMS Congressional Fellowship provides a unique public policy learning experience, and demonstrates the value of science–government interaction. The program includes an orientation on congressional and executive branch operations, and a year-long seminar series on issues involving science, technology, and public policy.

Applicants must have a PhD or an equivalent doctoral-level degree in the mathematical sciences by the application deadline (February 1, 2022). Applicants must be U.S. citizens. Federal employees are not eligible.

The Fellowship stipend is US\$93,013 for the Fellowship period, with additional allowances for relocation and professional travel, as well as a contribution toward health insurance.

Applicants must submit a statement expressing interest and qualifications for the AMS Congressional Fellowship as well as a current curriculum vitae. Candidates should have three letters of recommendation sent to the AMS by the February 1, 2022 deadline.

For more information and to apply, please go to www.ams.org/ams-congressional-fellowship.

Deadline for receipt of applications: **February 1, 2022**

“In my fellowship year I gained first-hand experience of Congress as well as new connections across the government through social activities, networking and professional development. As a mid-career Fellow, I was able to apply expertise from many areas of my professional life to behind-the-scenes work supporting Senate politics and policy. I wish more people could experience how the government works, which doesn’t always resemble what you learn from the news.”

—Rachel Levy, AMS Congressional Fellow 2020–2021

Visiting Assistant Professor in Mathematics Announced at University of California, Santa Cruz

Position title: Visiting Assistant Professor in Mathematics

Salary range: Commensurate with qualifications and experience; academic year (9-month) basis.

Percent time: Full-time (100%)

Anticipated start: July 1, 2022, with fall quarter beginning September 2022. Appointments are contingent upon availability of funding. Degree requirement must be completed by August 31, 2022 for employment beginning on September 1, 2022 and beyond.

Position duration: Initial appointment will be full-time for two years, with the possibility of reappointment. Should the hiring unit propose reappointment; a review to assess performance will be conducted. Reappointment is also contingent upon the availability of funding.

APPLICATION WINDOW

Open date: October 7th, 2021

Next review date: Wednesday, Dec 1, 2021 at 11:59pm (Pacific Time). Apply by this date to ensure full consideration by the committee. **Final date:** Thursday, Jun 30, 2022 at 11:59pm (Pacific Time)

Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.

POSITION DESCRIPTION

The Mathematics Department at the University of California, Santa Cruz (UCSC) expects to have two or more visiting assistant professorships available, subject to availability of funding. Preference will be given to candidates whose field of research aligns well with the department's research activities. Current areas of research can be found at <https://www.math.ucsc.edu/research/index.html>. Under the direction of the Mathematics Department Chair, the Visiting Assistant Professor will contribute to the undergraduate and graduate degree programs, teach, mentor and advise students at the graduate and undergraduate level individually and in the classroom, and undertake service obligations for the department.

QUALIFICATIONS

- Basic qualifications (required at time of application)
- PhD (or equivalent foreign degree) in mathematics or closely related field. It is expected that the degree requirement will be completed by August 31, 2022.
- Evidence of research in mathematics or closely related field obtained pre or post degree.
- Experience with teaching college-level mathematics.

APPLICATION REQUIREMENTS- Document requirements

- Curriculum Vitae – Your most recently updated C.V.
- Cover Letter – Letter of application that briefly summarizes your qualifications and interest in the position.
- Statement of Research
- Statement of Contributions to Diversity, Equity, and Inclusion – Statement addressing your understanding of the barriers facing traditionally underrepresented groups and your past and/or future contributions to diversity, equity, and inclusion through teaching and professional or public service. Candidates are urged to review guidelines on statements (see <https://apo.ucsc.edu/diversity.html>) before preparing their application.
- Statement of Teaching – Provide a summary of your teaching experience.

Reference requirements

- 3-6 letters of reference required
Applications must include confidential letters of recommendation* (at least one letter shall address the candidate's teaching ability). Note that your references, or dossier service, will submit their confidential letters directly to the UC Recruit System. *All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC's confidentiality statement at <http://apo.ucsc.edu/confstm.htm>.

Apply link: <https://recruit.ucsc.edu/JPF01160> **Help contact:** kabaldwi@ucsc.edu