



Upcoming Events

2022 Field of Dreams Conference

Minneapolis, MN
Nov. 4- 6, 2022

2022 FOD Career Fair

Virtual
Nov. 17, 2022

JMM 2023

Boston, MA
Jan. 4-7, 2023

Thoughts from the Director...



David Goldberg

Executive Director of
the Math Alliance

This month's newsletter, and this note is going to be brief. It's Friday, and we are a week away from opening the first Field of Dreams Conference since 2019. It is a good moment to reflect a bit on all we have been through the last two and half years. I think about the end of the 2019 Field of Dreams Conference, and the feeling I had, and I think many in our community shared, that we were on the cusp of a significant and new phase in the development of the Math Alliance. We announced our new Executive Council, and some new Associate Directors which positioned us to bring all our operations to new, higher, level. Of course, that seems like ages ago, and another world.

Throughout these difficult years I have been buoyed, time and again, by you, the Math Alliance community. Buoyed by your commitment to our mission, to our great Scholars, and to working to overcome the obstacles the pandemic has posed. I literally could not have come through this difficult time without the reassurance and support I've been provided by our Math Alliance Community. I truly think that a weaker community might have broken apart under the circumstances, but I think we have come through this stronger, better, and more determined than ever to make a change in the professions.

We also have been very fortunate to have such great partners at the Institute for Mathematics and its Applications, without whose help we would not have been able to transition activities to virtual format nearly as effectively as we did. We are grateful for their support and help in organizing this year's event too.

For sure, this is a pivotal moment. For those of you who are going to travel to Minneapolis, I am so looking forward to seeing each and every one of you, and I know we'll all have lots of emotional reunions, in addition to meeting new friends, colleagues, and allies. For those of you unable to join us, I want to thank you for contributing to our work in the significant ways you do and I look forward to seeing you at a future event.

2023-24 IAS School of Mathematics Applications Now Open!

**IAS School of Mathematics
2023-2024 Applications Now Open
Deadline for submission is December 1, 2022**

With generous support from the National Science Foundation, the IAS School of Mathematics selects approximately 85 Members per year. The School welcomes applications from mathematicians and theoretical computer scientists at all career levels, and strongly encourages applications from underrepresented groups and mid-career scientists (6-15 years from Ph.D.). Competitive salaries, on campus housing, and other resources are available for researchers in all mathematical subject areas.

Most positions are for one or two terms, but for applicants who cannot leave their jobs or families for an entire term, the School now offers a special two-month membership option.

In 2023–2024, there will be a special-year program, p-Adic Arithmetic Geometry, organized by Jacob Lurie and Bhargav Bhatt; however, membership will not be limited to mathematicians in this field.

More information can be found here: <https://www.ias.edu/math/apply/membership>.

2022 Field of Dreams Career Fair– *Virtual*



After discussions among our leadership and consulting with various parties, we have decided to move the Career Fair to a virtual event to be held after the Field of Dreams Conference on November 17, 2022. (We believe attendance by the job candidates at a virtual version of this event will be significantly greater than at the in-person conference, and so we think it will be better for all parties.

If you registered for a Career Fair table at the Field of Dreams Conference, you will be able to have a virtual table at the virtual Career Fair with no additional charge. If you purchased a separate Career Fair table and decide you don't want to attend the virtual event, we can refund your fee for that table. If this change in our format means you would prefer not to attend the Field of Dreams Conference, then we can refund your full registration. We apologize if this causes any inconvenience.

Mentoring the Missing Millions

Link to the article: <https://sinews.siam.org/Details-Page/mentoring-the-missing-millions>

2022 Lathisms Honorees

[Lathisms](#) showcases the contributions of Latinx and Hispanic mathematicians during Hispanic Heritage Month (from September 15 to October 15). Below are the honorees that are affiliated with the Math Alliance.

September 28— [Joan Ponce*](#)

September 29— [Alejandro Velez-Santiago†](#)

October 2— [Rosemary Guzman†](#)

October 3— [David Uminsky†](#)

October 5— [Alejandra Castillo*](#)

October 6— [Cristina Runnalls*](#)

October 9— [Marco Martinez†](#)

October 13— [David Cruz-Uribe†](#)

Thanks to the team members at Lathisms for all their efforts to recognize members of the Latinx and Hispanic communities.

* Math Alliance Scholar

† Math Alliance Mentor

University of Washington AMATH PAR program

The University of Washington Pre Application Review (PAR) Program is a student and postdoc-run, volunteer-based program at the University of Washington's Department of Applied Mathematics (UW AMATH) that aims to support PhD applicants by providing feedback on their application materials for PhD programs (at UW or elsewhere). A current PhD student or a postdoctoral scholar from UW AMATH will provide a round of feedback on your resume/CV and statement of purpose. All reviewers have received training to help with the application process.

We invite and encourage students to submit their application materials by the **November 11 priority deadline** or the **December 28 final deadline**.

For more details including the 2022-2023 timeline, visit:

<https://amath.washington.edu/pre-application-review-par-program>.

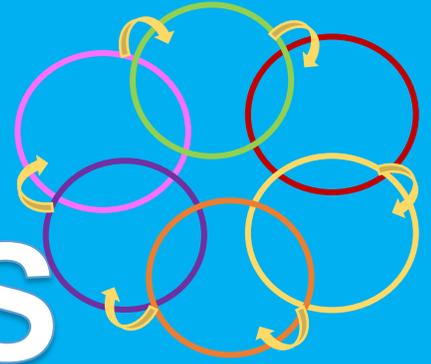
AMS Elections

As mentioned in last month's newsletter there are several members of the Math Alliance Community running for elected positions with the American Mathematical Society, and **voting is open through November 1**. Below is a brief list of those who are either Mentors, Scholars, or who have had some other affiliation with the Math Alliance. Of course, there are many things to consider when casting your ballot, but knowing these folks are working toward our shared goals may be helpful in making your choices.

- **Vice President:** Amy Radunskaya (Pomona College), and Bianca Viray (University of Washington)
- **Board of Trustees:** Judy Walker (University of Nebraska Lincoln)
- **Council Member at Large:** Christine Berkesch (University of Minnesota), Dawn Lott (Delaware State University), William Massey (Princeton University), Asamoah Nkwanta (Morgan State University), Sam Payne (University of Texas at Austin), Emily Riehl (Johns Hopkins University), and Tonghai Yang (University of Wisconsin-Madison)
- **Nominating Committee:** Jayadev Athreya (University of Washington), and David Goldberg (Purdue University)

GRADUATE STUDY AND CAREER OPPORTUNITIES IN

BIOMEDICAL INFORMATICS



Biomedical informatics programs from across the nation will be hosting a series of **virtual open houses** for students, trainees, and mid-career clinicians who are interested in:

**Artificial Intelligence | Computerized Clinical Decision Support
Imaging Informatics | Pandemic Tracking & Prediction
Predictive Modeling | Consumer Health Informatics**

Students from under-represented backgrounds are encouraged to participate!

- CAREERS IN ACADEMIA, INDUSTRY, GOVERNMENT, AND NON-PROFITS
- FELLOWSHIPS (TUITION & STIPEND)
- SHORT-TERM OPPORTUNITIES FOR UNDERGRADUATE AND MS STUDENTS

FUTURE OPPORTUNITIES

VIRTUAL OPEN HOUSES

October 24: 5pm ET/2 PM PT

<https://bit.ly/3Rb2xFi>

University at Buffalo
Cincinnati Children's Hospital/
University of Cincinnati
University of Colorado
Columbia University
Medical University of South Carolina/
Clemson University
University of Washington
Yale University

November 2: 5pm ET/2 PM PT

<https://bit.ly/3LG6yAi>

Harvard University
University of Illinois, Chicago
Northwestern University
University of Pittsburgh
Rice University and GCC
Stanford University
Vanderbilt University

November 14: 5pm ET/2 PM PT

<https://bit.ly/3RcoNOU>

University of Alabama at Birmingham
University of California, San Diego
University of California, Los Angeles
Oregon Health And Science
University
University of Pennsylvania
University of Utah

CAN'T ATTEND? LET US KNOW YOU'RE INTERESTED:

<https://bit.ly/3DT52sz>



Homeland Security

Science and Technology



Summer Research Team Program For Minority Serving Institutions

DEADLINE: December 16, 2022

For more information and to apply, visit: <https://orise.orau.gov/dhseducation/srt/default.html> , or simply scan the QR code.



OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION
Shaping the Future of Science

Managed by ORAU through the Oak Ridge Institute for Science and Education (ORISE) under an agreement between DHS and the U.S. Department of Energy (DOE).



The Department of Homeland Security (DHS) Science and Technology (S&T) Directorate Office of University Programs(OUP) sponsors the DHS Summer Research Team Program for Minority Serving Institutions to provide faculty and student research teams the opportunity to conduct research at the university-based DHS Centers of Excellence.

Benefits Include:

Weekly Stipends:

Faculty—\$2,000

Graduate- \$950

Undergraduate- \$750

Housing Allowance:

\$400 per week- Available to qualified participants.

Travel Allowance:

One round trip to the Center of Excellence for participants who live more than fifty miles, one-way, from their assigned Center.

Follow-on Funding:

Up to \$100,000 in Follow-on funding may be awarded to faculty to continue research and collaboration efforts with the DHS Center for the academic year following the summer participation.



SPRING OPPORTUNITIES WORKSHOP 2023



JAN. 12-13, 2023



INSTITUTE FOR ADVANCED STUDY

1 Einstein Drive
Princeton, New Jersey
(Travel and Housing Funded)



WHAT IS SPRING OPPORTUNITIES?

This NSF-funded workshop seeks to support the participation of underrepresented minorities in the mathematical sciences. Featuring talks by senior professionals about their experiences in academia, industry, and government, as well as current research by young mathematicians, the workshop will provide a supportive environment for meeting peers and senior role models. It is particularly aimed at graduate students and young postdocs.



INVITED SPEAKERS



Susan d'Agostino, Science Writer
Rajiv Gandhi, Rutgers University Camden
Rachel Greenfeld, Institute for Advanced Study
Peter Haine, Institute for Advanced Study
Juan Meza, National Science Foundation
Artane Siad, IAS/Princeton University
Karen Uhlenbeck, Institute for Advanced Study

ORGANIZERS



Wei Ho, IAS/Princeton/U. Michigan
Robert Megginson, U. Michigan
Akshay Venkatesh, IAS



SPONSORED BY

National Science Foundation



APPLY BY NOV. 4



mathprograms.org/db/programs/1348



ias.edu/math/events/so



Third Annual OURFA²M²



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

For marginalized, minoritized, 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.

November 19 & 20, 2022 on Zoom

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

Registration and information at

ourfa2m2.org

OURFA²M² partners with the Mathematical Association of America and is funded by National Science Foundation grant DUE-2230388.

This free, virtual conference will include:

- A panel of representatives of summer and semester opportunities
- A panel of students who have participated in such programs
- Crash courses in common undergraduate math research fields
- Personal stories of mathematicians' formative experiences
- Other talks and activities to network and share resources

Please register by 11:59 pm Pacific on November 12 to join us.

No experience required and all are welcome!

Contact ourfa2m2@gmail.com with questions.

MSRI- 2023 SRiM Program Announcement

MSRI invites applications for the **2023 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.

Program Eligibility

- 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, and at least one team member must be U.S. based.
- 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 full duration of the visit.
- Applicants may only apply as a member of one research group.
- Participants are provided with lodging, all meals, and reimbursement of travel expenses. MSRI also has access to private sources of funding for researchers with children under age 17 to fully participate in its scientific activities.

For full program details, visit the website: www.msri.org/summer

Applications will be made through MathPrograms beginning **August 1, 2022** 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, 2022. Decisions will be announced in **mid-December 2022.**

Support for this program is provided by the National Science Foundation (NSF), the National Security Agency (NSA), Johnson Cha, Priscilla Chou, 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.

Fall 2022 Scientific Workshops at MSRI

The Mathematical Sciences Research Institute in Berkeley, California welcomes registrations for our Fall 2022 workshops, listed below. MSRI workshops are free of charge to attend, thanks to the generous support of our funders, including the National Science Foundation.

(Please check www.msri.org/workshops for full details, as some workshop dates or details may be subject to change. An updated schedule of all talks will be posted by organizers in advance of each event.)

October 24-28, 2022- New Four-Dimensional Gauge Theories

Organizers: *Andriy Haydys (Université Libre de Bruxelles), Lotte Hollands (Heriot-Watt University, Riccarton Campus), Eleny-Nicoleta Ionel* (Stanford University), Richard Thomas (Imperial College, London), Thomas Walpuski (Humboldt-Universität)*

November 14-18, 2022- Floer Homotopical Methods in Low Dimensional and Symplectic Topology

Organizers: Mohammed Abouzaid* (Columbia Univ.), Andrew Blumberg (Columbia Univ.), Jennifer Hom (Georgia Institute of Technology), Emmy Murphy (Northwestern Univ.), Sucharit Sarkar (Univ. of California, Los Angeles)

**indicates lead organizers.*

Workshop Funding: Established researchers, postdoctoral fellows, and graduate students are invited to apply for funding. Funding awards are typically made eight weeks before the workshop begins. Requests received after the funding deadlines are considered only if additional funds become available. MSRI is pleased to be able to offer a private room for nursing mothers.

Resources for Workshop Attendees: MSRI is pleased to be able to offer a private room for nursing parents. To allow visitors to fully participate in its scientific activities, MSRI is pleased to be able to offer childcare grants to researchers with children under the age of 17. One of the objectives of MSRI's family support program is to contribute toward MSRI's goal of enabling the participation of women and members of other historically underrepresented groups in its programs, workshops, and summer graduate schools.

These flexible grants may be used for reimbursement of childcare expenses incurred in Berkeley, or at home, including airfare for children and support for companion caregivers or hired childcare providers in Berkeley or to cover the costs of such help at home. Please note that, because these funds are taxable, they are available only to US Citizens and Permanent Residents, and foreign visitors with a visa status that allows for compensation, such as a J1. We are deeply grateful to our Family Support donors for their generosity.

MSRI is committed to the principles of Equal Opportunity and Affirmative Action. Students, recent PhDs, women, and minorities are particularly encouraged to apply.

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Spring 2023 Scientific Workshops at MSRI / SLMath

The Mathematical Sciences Research Institute (MSRI) in Berkeley, California, now becoming the Simons Laufer Mathematical Sciences Institute (SLMath) in 2022-23, welcomes registrations for our upcoming Spring 2023 workshops, listed below. SLMath workshops are free of charge to attend, thanks to the generous support of our funders, including the National Science Foundation.

(Please check www.msri.org/workshops for full details, as some workshop dates or details may be subject to change. An updated schedule of all talks will be posted by organizers in advance of each event.)

- January 19-20, 2023: **Connections Workshop: Algebraic Cycles, L-Values, and Euler Systems**
Organizers: Henri Darmon (McGill University), Ellen Eischen (University of Oregon), Benjamin Howard (Boston College), Elena Mantovan (California Institute of Technology)*
- January 23- 27, 2023: **Introductory Workshop: Algebraic Cycles, L-Values, and Euler Systems**
Organizers: Henri Darmon (McGill University), Ellen Eischen (University of Oregon), Benjamin Howard (Boston College), Elena Mantovan (California Institute of Technology)*
- February 2-3, 2023: **Connections Workshop: Diophantine Geometry**
Organizers: Jennifer Balakrishnan (Boston University), Yunqing Tang (University of California, Berkeley)*
- February 6-10, 2023: **Introductory Workshop: Diophantine Geometry**
Organizers: Hector Pasten (Pontificia Universidad Católica de Chile), Yunqing Tang (University of California, Berkeley), Shou-Wu Zhang (Princeton University)*
- March 13-17, 2023: **Shimura Varieties and L-functions**
Organizers: Michael Harris (Columbia University), David Loeffler (University of Warwick), Elena Mantovan (California Institute of Technology), Christopher Skinner (Princeton University), Sarah Zerbes (ETH Zürich), Wei Zhang (Massachusetts Institute of Technology)*
- March 22-24, 2023: **Critical Issues in Mathematics Education 2023: Mentoring for Equity**
Organizers: Pamela Harris (University of Wisconsin-Milwaukee), Abbe Herzig (AHH Consulting), Aris Winger (Georgia Gwinnett College), Michael Young (Carnegie Mellon University)
- April 17-21, 2023: **Degeneracy of Algebraic Points**
Organizers: Jennifer Balakrishnan (Boston University), Mirela Ciperiani (University of Texas, Austin), Philipp Habegger (University of Basel), Wei Ho (University of Michigan), Hector Pasten (Pontificia Universidad Católica de Chile), Yunqing Tang (University of California, Berkeley), Shou-Wu Zhang (Princeton University)*
- April 15-19, 2024: **Recent Developments in Commutative Algebra**
Organizers: Daniel Erman (University of Wisconsin-Madison), Linquan Ma (Purdue University), Karl Schwede (University of Utah), Karen Smith (University of Michigan), Andrew Snowden (University of Michigan), Irena Swanson (Purdue University)* indicates lead organizers.*

Workshop Funding: Established researchers, postdoctoral fellows, and graduate students are invited to apply for funding. Funding awards are typically made eight weeks before the workshop begins. Requests received after the funding deadlines are considered only if additional funds become available.

Resources for Workshop Attendees: To allow visitors to fully participate in its scientific activities, SLMath is pleased to be able to offer 1) a private room for nursing parents and 2) childcare grants to researchers with children under the age of 17. One of the objectives of SLMath's family support program is to contribute toward our goal of enabling the participation of women and members of other historically underrepresented groups in its programs, workshops, and summer graduate schools.

These flexible grants may be used for reimbursement of child care expenses incurred in Berkeley, or at home, including airfare for children and support for companion caregivers or hired childcare providers in Berkeley or to cover the costs of such help at home. Please note that, because these funds are taxable, they are available only to US Citizens and Permanent Residents, and foreign visitors with a visa status that allows for compensation, such as a J1. We are deeply grateful to our Family Support donors for their generosity.

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Call for Applications: 2023 ADJOINT Workshop

The Mathematical Sciences Research Institute (MSRI), now becoming the Simons Laufer Mathematical Sciences Institute (SLMath) in 2022-23, invites applications for its **2023 African Diaspora Joint Mathematics Workshop (ADJOINT)**, taking place June 19-30, 2023 in Berkeley, California.

ADJOINT is a two-week summer activity designed for researchers with a Ph.D. degree in the mathematical sciences who are interested in conducting research in a collegial environment.

The main objective of ADJOINT is to provide opportunities for in-person research collaboration to U.S. mathematicians, especially those from the African Diaspora, who will work in small groups with research leaders on various research projects.

PROGRAM ACTIVITY AND 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. Professional enhancement activities will be provided by the onsite ADJOINT Director. All participants will receive funding for two weeks of lodging, meals and incidentals, and one round-trip travel to Berkeley, CA. For details of 2023 research topics and leaders, visit msri.org/adjoint.

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 will become part of a network of research and career mentors.

ELIGIBILITY

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

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.

HOW TO APPLY

For a list of application materials and the link to apply via [MathPrograms](https://mathprograms.org), visit msri.org/adjoint. Full details will be available in Fall 2022. **Applications received by December 1, 2022 will receive full consideration.** We expect to begin making offers for participation in mid-February 2023.

MSRI / SLMATH 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. ADJOINT 2023 receives additional support from the Alfred P. Sloan Foundation.

Call for Membership for MSRI / SLMath 2023-24 Programs

The Mathematical Sciences Research Institute (MSRI) in Berkeley, California, now becoming the Simons Laufer Mathematical Sciences Institute (SLMath) in 2022-23, invites applications for our upcoming 2023-24 scientific research programs:

- **Algorithms, Fairness, and Equity** (August 21 - December 20, 2023)
- **Mathematics and Computer Science of Market and Mechanism Design** (August 21 - December 20, 2022)
- **Commutative Algebra** (January 16 - May 24, 2024)
- **Noncommutative-Algebraic Geometry** (January 16 - May 24, 2024).

The following positions are available:

- **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 / SLMath uses MathJobs to process applications. Application information can be found at www.msri.org/application. Interested candidates must apply online beginning **August 15, 2022 for RP/RM positions and October 1, 2022 for PD positions**.

To receive full consideration, applications must be complete, including all letters of support, by the following deadlines:

- Research Professorships: October 1, 2022
- Research Memberships: December 1, 2022
- Postdoctoral Fellowships: December 1, 2022

It is the policy of SLMath actively to seek to achieve diversity in its programs and workshops. Thus, a strong effort is made to remove barriers that hinder equal opportunity, particularly for those groups that have been historically underrepresented in the mathematical sciences.

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MSRI / SLMath Call for Proposals

The Mathematical Sciences Research Institute (MSRI), now becoming the Simons Laufer Mathematical Sciences Institute (SLMath) in 2022-23, 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 than once in ten years.

A scientific program at SLMath generally consists of up to nine months of concentrated activity in a specific area of current research interest in the mathematical sciences. SLMath 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 workshop and an Introductory workshop, the purpose of which are to introduce the subject to the broader mathematical community and connect early-career researchers, especially women, gender-expansive individuals, and minorities to senior mentors in the field. 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.

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

MSRI / SLMath 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.



Department of Mathematics
The University of Arizona[®]

ARIZONA WINTER SCHOOL 2023

Southwest Center
for Arithmetic Geometry

<http://swc.math.arizona.edu>

Deadline to apply:
November 15th, 2022

UNLIKELY INTERSECTIONS

Laura DeMarco

Arithmetic dynamics and intersection problems

Jonathan Pila

Point-counting and applications

Thomas Scanlon

Model theoretic origins and approaches to unlikely intersection problems

Jacob Tsimerman

Special point problems and their arithmetic

with **Boris Zilber**, Clay Lecturer

TUCSON, MARCH 4-8, 2023

Funded by the National Science Foundation
Supported by the National Security Agency
and organized in partnership
with the Clay Mathematics Institute



MATH ALLIANCE PARTNER INSTITUTION

Postdoc Fellow in Math Biology Position Announced at Arizona State University

Presidential Postdoctoral Fellowship in Mathematical Biology (Job #92397)

The School of Mathematical and Statistical Sciences (SoMSS) at Arizona State University (ASU) invites applications for a postdoctoral scholar position in the area of mathematical biology.

The postdoctoral scholars selected will join a cohort of 10-15 other postdoctoral scholars at ASU as part of the Presidential Postdoctoral Fellowship Program. The goal of the program is to support the career development of outstanding Ph.D. recipients with great potential for advancing the [ASU Charter](#) into a future tenure track appointment at ASU. The program seeks applicants whose professional preparedness, experience, and accomplishments are informed by experiences working with and within groups historically underrepresented in higher education in the United States. Where pools of qualified applicants are strong, priority will be given to applicants who demonstrate, through prior actions and achievements, intentional and actioned commitment to diversity, equity, and inclusion. Examples of such contributions are research or creative activity focused on empowering underserved populations; teaching, mentorship, and service that increases equitable access; and inclusion in fields where historically excluded populations are underrepresented.

Qualifications and Characteristics

Minimum qualifications

- PhD in mathematics, applied mathematics or a closely related area by August 10, 2023.
- 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 current SoMSS' faculty members in the mathematical biology group, which includes mathematical ecology, epidemiology, neuroscience and medicine
- Demonstrated potential for establishing interdisciplinary collaborations
- Experience and/or expertise in research, teaching, mentoring, and/or service, that address disparities faced by Black communities, as well as by communities of Color

This position is located at the Arizona State University at the Tempe campus. All postdoctoral fellowship positions are for one year. Options for an additional one or two years of funding or a transition to a tenure track position may be offered, depending on each fellow's progress and training needs. Applicants must be within five years of receipt of their PhD to be considered for initial appointments. Faculty tenure track appointments will require a process of review within the designated tenure home unit.

Applications and Inquiries

Applications can be submitted online via <https://www.mathjobs.org/jobs/ASU/20674/apply>. Application materials should include:

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 addressing how your past and/or potential contributions to diversity, equity, and inclusion will advance ASU's Charter.
6. Contact information for 3 references, including email addresses.

Application deadline is 4:00 pm AZ Time, Monday, November 15, 2022. Applications will continue to be accepted on a rolling basis for a reserve pool. 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. A background check is required for employment.

ASU 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. For more information on ASU's policies, please see: <https://www.asu.edu/aad/manuals/acd/acd401.html> and its complete non-discrimination statement at: <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. **COVID-19 Vaccination** –Arizona State University is a federal contractor and subject to federal regulations which may require you to produce a record of a COVID-19 vaccination. For questions about medical or religious accommodations, please visit the [Office of Diversity, Equity and Inclusion's webpage](#).*



MATH ALLIANCE PARTNER INSTITUTION

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

The School of Mathematical and Statistical Sciences (SoMSS) at Arizona State University invites applications for a full-time, benefits-eligible, tenure-eligible position in theoretical mathematics at the rank of Assistant or Associate Professor. Preference will be given to applicants with research in analysis and partial differential equations broadly defined. Anticipated start date is August 16, 2023. 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 the time of appointment.
- Demonstrated potential for excellence in research and teaching, relative to career level.
- Demonstrated understanding of the importance of diversity, equity and inclusiveness in the mathematical community.

Desired Qualifications

- Documented record of published research in theoretical mathematics, preferably in analysis and partial differential equations broadly defined
- Established record or strong potential for grant support, relative to career level.
- Demonstrated potential for establishing interdisciplinary collaborations.
- Demonstrated experience and/or interest in teaching and mentoring.
- Documented experiences and/or expertise indicative of strong support for individuals who have been systemically underserved in the mathematical sciences.

Women and members of other underrepresented groups 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 <https://www.mathjobs.org/jobs/list/20978>:

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 addressing how your past and/or potential contributions to diversity and inclusion will advance ASU's commitment to inclusive excellence.
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 November 18, 2022; 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.

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.

COVID-19 Vaccination – Arizona State University is a federal contractor and subject to federal regulations which may require you to produce a record of a COVID-19 vaccination. For questions about medical or religious accommodations, please visit the [Office of Diversity, Equity and Inclusion's webpage](#).



MATH ALLIANCE PARTNER INSTITUTION

Postdoc Research Scholar Positions in Math or Stat Announced at Arizona State University

The School of Mathematical and Statistical Sciences (SoMSS) at Arizona State University invites applications for Postdoctoral Research Scholar positions. The anticipated start date is August 16, 2023. These full-time academic-year, benefits-eligible positions are renewable on an annual basis through spring 2026 contingent upon satisfactory performance, availability of resources, and the needs of the university. The essential duties of the position will be to conduct research in the mathematical sciences, along with a teaching load that is normally three courses per year.

Arizona State University, The College of Liberal Arts and Sciences, and the School of Mathematical and Statistical Sciences value 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.

Required Qualifications:

- A Ph.D. in the mathematical or statistical sciences, or a closely related area by the time of appointment. Applicants must be within five years of receipt of their PhD to be considered for initial appointments and subsequent renewals.
- Demonstrated potential for excellence in research and teaching.

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, and statistics).
- Demonstrated success working with diverse student and/or faculty populations

Women and members of systemically underserved groups 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 <https://www.mathjobs.org/jobs/list/21206>:

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 addressing how your past and/or potential contributions to diversity and inclusion will advance ASU's commitment to inclusive excellence
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 2, 2022; only applications that are complete by the deadline will be given full consideration. 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. 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, sexual orientation, gender identity, 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/>. 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. **COVID-19 Vaccination** - Arizona State University is a federal contractor and subject to federal regulations which may require you to produce a record of a COVID-19 vaccination. For questions about medical or religious accommodations, please visit the [Office of Diversity, Equity and Inclusion's webpage](#).



MATH ALLIANCE PARTNER INSTITUTION

Tenure-Track Open Rank Faculty Position in Applied or Comp. Math 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 applied and computational mathematics at the rank of Assistant or Associate Professor. Anticipated start date is August 16, 2023. The Applied and Computational Mathematics program consists approximately of 20 faculty members and has close ties with our statistics and theoretical math groups.

The essential duties of the position will be to conduct research on areas of applied mathematics, computational mathematics, optimization, and/or data science, 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.

Arizona State University, The College of Liberal Arts and Sciences, and the School of Mathematical and Statistical Sciences value 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.

Required Qualifications:

- A Ph.D. in mathematics, applied mathematics, optimization, statistics, or a closely related area by the time of appointment.
- Demonstrated potential for excellence in research and teaching, relative to career level.
- Demonstrated understanding of the importance of diversity, equity, and inclusiveness in the mathematical community.

Desired Qualifications:

- Documented record of published research in the areas of applied mathematics, computational mathematics, optimization, and/or data science.
- Established record or strong potential for grant support, relative to career level.
- Demonstrated experience and/or interest in teaching and mentoring.
- Documented experiences and/or expertise indicative of strong support for individuals who have been systemically underserved in the mathematical sciences.

To apply, submit the following through Mathjobs at <https://www.mathjobs.org/jobs/list/21012>:

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 addressing how your past and/or potential contributions to diversity and inclusion will advance ASU's commitment to inclusive excellence
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 November 20, 2022 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.

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/>.

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.

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MATH ALLIANCE PARTNER INSTITUTION

Tenure-Track Faculty Position in Statistics Announced at Penn State University



PennState

The [Department of Statistics](#) at [The Pennsylvania State University](#) invites applications for one or more open-rank tenure-track positions. We are open to candidates in all specialties within statistics.

Education and Experience:

Applicants at the Assistant Professor level should have a Ph.D. in Statistics or closely related field and demonstrate potential for excellence in research, teaching, and contributing to a positive and inclusive climate. Applicants at the Associate or Full Professor level should have a demonstrated record of excellence in research, as evidenced by publication record and extramural funding; in teaching, of both undergraduate and graduate courses; in service, to both their institutions and the profession; and in contributing to a positive and inclusive climate.

The Department of Statistics is part of the [Eberly College of Science](#) at Penn State, which accounts for over one hundred million dollars of research expenditures annually. The Department of Statistics is a community of around 25 tenure-line faculty members and around 50 faculty members in total, with a strong commitment to fostering diversity, equality, and inclusive excellence in a variety of research and teaching activities. Our research activity is both theoretical and applied, with collaborative ties to other departments in the College of Science (e.g., Biology and Astronomy) as well as other colleges across the university (e.g., Earth and Mineral Sciences, Engineering, Health and Human Development, and Medicine). We have strong ties with several Penn State Institutes (e.g., the Huck Institutes of Life Sciences, Penn State Institutes of Energy and the Environment, and the Institute for Computational and Data Sciences) that support and facilitate inter-disciplinary research. The University has also launched a multi-college data sciences degree program supporting positions in Statistics and other departments.

Penn State is located in the center of Pennsylvania, in a valley surrounded by the Appalachian Mountains and state forestland. The adjoining town of State College combines many amenities typically found in large metropolitan areas with the benefits of a university town, boasting a highly educated population and excellent schools and services.

Additional information about the Department of Statistics can be found at <https://science.psu.edu/stat>.

Additional Information:

Informal inquiries about and/or nominations for this search may be directed to Prof. Murali Haran, Department Head, at mharan@stat.psu.edu. Interested individuals must (1) complete an online Penn State application at https://psu.wd1.myworkdayjobs.com/PSU_Academic/job/University-Park-Campus/Tenure-Track-Faculty_REQ_0000035680-1 and (2) apply online through Mathjobs.org at <https://www.mathjobs.org/jobs/list/20684>.

Applications should include: cover letter highlighting major areas of research interest, accomplishments, goals for future work and how those integrate with the department's current strengths or bring new directions to the department (suggested 1 page); curriculum vitae; statement of research interests, accomplishments, and future plans (suggested 2 pages); statement of teaching philosophy, experience, and major achievements (suggested 2 pages); statement of philosophy or contributions toward a supportive and inclusive climate (suggested 1 page); and names and contact information for at least three professional references.

We will begin reviewing applications from senior candidates on Sept. 19, 2022 and from junior candidates on Nov. 14, 2022. We will continue to consider applications received after these dates until the positions are filled.

The Pennsylvania State University is committed to and accountable for advancing diversity, equity, inclusion, and sustainability in all of its forms. We embrace individual uniqueness, foster a culture of inclusion that supports both broad and specific diversity initiatives, leverage the educational and institutional benefits of diversity in society and nature, and engage all individuals to help them thrive. We value inclusion as a core strength and an essential element of our public service mission.



MATH ALLIANCE PARTNER INSTITUTION

Open Rank Faculty Positions in Mathematics Announced at Purdue University



The Department of Mathematics in the College of Science at Purdue University invites applications for one appointment in Mathematics at the level of Assistant Professor to start in August 2023.

This position comes 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. This position is 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. Appointment 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:

- Analysis and Geometry (including harmonic analysis, partial differential equations, complex analysis, and symplectic/differential geometry),
- Applied Mathematics (including data science, machine learning, the modeling of physical or biological systems, inverse problems, computational methods), and
- Algebra (including algebraic topology, number theory, algebraic geometry, commutative algebra, operator algebras).

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.

Candidates are encouraged to address in their cover letter how they are prepared to contribute to a climate that values free inquiry and academic freedom. A background check will be required for employment in this position.

Applications should be submitted online through www.mathjobs.org and should include (1) the AMS cover sheet for academic employment, (2) a cover letter, (3) a curriculum vitae, (4) a research statement, (5) a teaching statement, and (6) at least four letters of recommendation, one of which discusses the candidate’s teaching qualifications. In addition, for purposes of equity, to be considered for the position, applicants will also need to create a profile including voluntary demographic data at SuccessFactors. Reference letter writers should be asked to submit their letters online through www.mathjobs.org.

Direct all inquiries to mathexec@purdue.edu. **All applications received by November 1, 2022 will be given full consideration.**

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



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 2023 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, 2023 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, the College of Science, and the Department of Mathematics are committed to advancing diversity in all areas of faculty effort, including discovery, instruction, and engagement. Candidates are encouraged to address in their cover letter how they are prepared to contribute to a climate that values diversity and inclusion. Purdue University, the College of Science, and the Department of Mathematics are committed to free and open inquiry in all matters. Candidates are encouraged to address in their cover letter how they are prepared to contribute to a climate that values free inquiry and academic freedom.

Applications should be submitted online through www.mathjobs.org and should include (1) the AMS cover sheet for academic employment, (2) a cover letter, (3) a curriculum vitae, (4) a research statement, (5) a teaching statement, and (6) 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 including voluntary demographic data at SuccessFactors. Reference letter writers should be asked to submit their letters online through www.mathjobs.org. Direct all inquiries to mathexec@purdue.edu. **All applications received by November 30, 2022 will be given full consideration.** Some offers will be made before the end of January 2023. A background check will be required for employment in these positions.

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 Professor Position in Mathematics Announced at 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 Associate/Full Professor. These appointments would start in August 2023.

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, number theory 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 at the forefront of their discipline, 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

- Data Science
- Harmonic Analysis

A successful candidate is expected to maintain a vibrant research program supported by extramural funding, teach undergraduate and/or graduate mathematics courses to a diverse student body, supervise graduate students, 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, the College of Science, and the Department of Mathematics are committed to advancing diversity in all areas of faculty effort, including discovery, instruction, and engagement. Candidates are encouraged to address in their cover letter how they are prepared to contribute to a climate that values diversity and inclusion. Purdue University, the College of Science, and the Department of Mathematics are committed to free and open inquiry in all matters. Candidates are encouraged to address in their cover letter how they are prepared to contribute to a climate that values free inquiry and academic freedom. A background check will be required for employment in this position.

Applications should be submitted online through www.mathjobs.org and should include (1) the AMS cover sheet for academic employment, (2) a cover letter, (3) a curriculum vitae, (4) a research statement, (5) a teaching statement, and (6) at least four letters of recommendation, one of which discusses the candidate’s teaching qualifications. In addition, for purposes of equity, to be considered for the position, applicants will also need to create a profile including voluntary demographic data at SuccessFactors. Reference letter writers should be asked to submit their letters online through www.mathjobs.org. Direct all inquiries to mathexec@purdue.edu. **All applications received by 1 November 2022 will be given full consideration.**

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

Two Positions in Mathematics Announced at University of Washington



UNIVERSITY *of*
WASHINGTON

Assistant Teaching Professor - UW Math

[UW Math](#) invites applications for a full-time Assistant Teaching Professor position. This position has an anticipated start date of Autumn 2023 and will have a 9-month service period. The successful applicant will be expected to teach a full-time load of undergraduate courses and to participate in service to the department and the university. This is not a tenure-track position; the initial appointment will be for three years, with the possibility of renewal. A PhD (or foreign equivalent) in Mathematics or a related field is required by the start of the appointment. Priority will be given to applicants whose complete applications, including recommendations, are received by **December 1, 2022**.

Apply at <https://apply.interfolio.com/112636>.

Postdoctoral Scholar - UW Math

[UW Math](#) 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 2023. Duties include engaging in ongoing and active independent research and teaching a full-time load of undergraduate and graduate courses. In particular, the job title will be "50% post-doctoral scholar, 50% teaching associate," to reflect these two components of the job. Applicants are required to have a PhD, or foreign equivalent, by the starting date. Priority will be given to applicants whose complete applications, including recommendations, are received by **December 1, 2022**.

Apply at <https://apply.interfolio.com/111213>.



Applications Open for
**AMS CONGRESSIONAL
FELLOWSHIP 2023–2024**

Apply your mathematics knowledge toward solutions to societal problems.

The American Mathematical Society will sponsor a Congressional Fellow from September 2023 through August 2024.

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 18th 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, 2023). Applicants must be US citizens. Federal employees are not eligible.

The Fellowship stipend is US\$95,824 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, 2023 deadline.

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

Deadline for receipt of applications: **February 1, 2023**

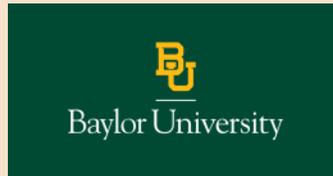
“I wanted to find ways to utilize my mathematical skills to affect real world change, but I doubted whether any of my mathematical skills could be applied outside of academia. The AMS Congressional Fellowship has removed all of my doubts. I have learned in the past year that there is overwhelming need for mathematicians in all areas of government. The skills I have as a mathematician are highly valued in Congress and I became an integral part of a Senate office assisting in housing, economic development, and consumer protection. The Fellowship has allowed me to use my skills to help make the world a better place and I feel immensely privileged to have had that opportunity.”

—A.J. Stewart,
AMS Congressional
Fellow 2021–2022



MATH ALLIANCE MEMBER INSTITUTION

Clinical Assistant Professor in Statistics Position Announced in Data Science at Baylor University



Baylor University seeks to fill a tenured/tenure-track position at either the associate or assistant rank, depending on experience, in the Department of Statistical Science within the College of Arts and Sciences to start in the Fall 2023 semester. Details for this position can be found at <http://apply.interfolio.com/107729>. Applications will be reviewed as they are submitted and will be accepted until the position is filled. To ensure full consideration, complete **applications must be submitted by October 31, 2022**.

The successful applicant will join a dynamic faculty in advancing our core mission to provide quality statistics instruction at all levels; to make significant contributions to the discovery and dissemination of statistical knowledge; and to develop, within a Christian environment, ethical scholars, skilled professionals, and educated leaders who are sensitive to the needs of society. The department faculty participate in a wide variety of applications, including pharmaceuticals, public health, biostatistics, environmental science, engineering, and sports analytics. The position includes a competitive salary and benefits, commensurate with experience and qualifications. The successful candidate will be expected to establish and maintain a rigorous externally funded research program.

The position is open to all qualified applicants with an earned doctorate in an appropriate field of study at the time of appointment. The Department particularly encourages candidates with demonstrated interest in developing a research program in data science, modern statistical computing, or statistical technologies and methodologies. Example areas of interest include but are not limited to big data, machine learning, and R package/Python library development.

Located in Waco, Texas, Baylor University is the oldest college in Texas. With a population of around 21,000 students, Baylor is one of the top universities in the nation, having just been named an R1 institution by the Carnegie Classification in 2022. Baylor is also on the honor roll of the “Great Colleges to Work For” from The Chronicle of Higher Education. Baylor offers competitive salaries and benefits while giving faculty and staff the chance to live in one of the fastest-growing parts of the state. Our strategic plan, Illuminate, guides the University as we continue to live up to Baylor’s mission of educating men and women for worldwide leadership and service by integrating academic excellence and Christian commitment within a caring community.

Baylor University is a private not-for-profit university affiliated with the Baptist General Convention of Texas. As an Affirmative Action/Equal Opportunity employer, Baylor is committed to compliance with all applicable anti-discrimination laws, including those regarding age, race, color, sex, national origin, pregnancy status, military service, genetic information, and disability. As a religious educational institution, Baylor is lawfully permitted to consider an applicant’s religion as a selection criterion. Baylor encourages women, minorities, veterans, and individuals with disabilities to apply.



MATH ALLIANCE MEMBER INSTITUTION

Tenure-Track Assistant Professor Position at the California State Polytechnic University, Pomona



CAL POLY POMONA

Position description:

The Department of Mathematics and Statistics is seeking applicants for an Assistant Professor in Mathematics Education. It is anticipated that the person in this position will teach courses in mathematics education and mathematics at the undergraduate and graduate level. It is also expected that the new faculty member will 1) engage in scholarly research and grant activity, 2) serve on department, college, and university committees, and 3) engage in professional development. They will have the opportunity to engage in a variety of activities, such as working with teachers and students in local schools, participating in research/grant work related to K-16 teaching and learning, advising master's degree students, and developing curriculum. Teaching opportunities include courses for pre-service elementary, secondary, and post-secondary teachers; they may also teach lower and upper division mathematics courses.

Minimum requirements include:

Terminal degree must be completed by the start date of the appointment:

- EITHER a Doctorate degree (e.g., PhD, EdD, DA) in Mathematics Education, Statistics Education, STEM Education, or a closely related field AND a Master's degree in Mathematics (or equivalent coursework), OR a PhD in Mathematics or Statistics with significant (at least four years) demonstrated experience in research and teaching in mathematics education.
- A commitment and a record of contributions to student success through applicant's teaching, scholarship, or service. This will be described in the Student Success Statement, which must address at least two of the inclusive excellence criteria listed above.

Conditions of Employment:

The person offered this position is required to pass a background check. The 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 system wide policy can be found at <https://calstate.policystat.com/policy/9779821/latest/>. Questions regarding the policy may be sent to avpfa@cpp.edu.

Application Process: A completed application will consist of:

- Cover letter (up to 2 pages, single spaced) in which you describe your interest in the position, relevant experience, and how you meet the minimum and preferred qualifications;
- A Student Success Statement (up to 2 pages, single-spaced) about your teaching or other experiences, successes, and challenges in working with a diverse student population. Please address at least two of the inclusive excellence criteria listed above;
- Curriculum vitae;
- Teaching Philosophy statement (up to 2 pages, single-spaced);
- Research Statement (up to 2 pages, single-spaced);
- At least three letters of reference, at least one of which should specifically address teaching or potential to teach;
- Unofficial transcripts (undergraduate and graduate; official transcripts for highest degree will be required of finalists prior to on-campus interviews)

The position is open until filled. First consideration will be given to completed applications received **no later than October 1, 2022**. Please direct inquiries to mathstatsearch@cpp.edu. Applications accepted only via [PageUp](#) – online application portal - for University hires.

California State Polytechnic University, Pomona is an Equal Opportunity, Affirmative Action Employer. The university seeks to recruit and retain a diverse workforce as a reflection of our commitment to serve the people of California, to maintain the excellence of the university, and to offer our students richly varied disciplines, perspectives, and ways of knowing. Cal Poly Pomona subscribes to all state and federal regulations and prohibits discrimination based on race, color, religion, national origin, sex, gender identity/gender expression, sexual orientation, marital status, pregnancy, age, disability, genetic information, medical condition, and covered veteran status. The university hires only individuals lawfully authorized to work in the United States. As required by the Clery Disclosure Act, the university prepares a public annual security report.



MATH ALLIANCE MEMBER INSTITUTION

Tenure-Track Assistant Professor in Mathematics Position Announced at Case Western Reserve University



The Department of Mathematics, Applied Mathematics, and Statistics at Case Western Reserve University (CWRU) is searching for at least one tenure-track assistant professor in pure mathematics to begin in AY 2023/2024. Preference will be given to candidates whose research is in algebra, topology, or related areas, although excellent candidates in all areas of pure mathematics will be considered.

All candidates must hold a Ph.D. in Mathematics or a related field by the time of the appointment, have demonstrated teaching/mentoring experience, and have a publication record appropriate to rank. Candidates should submit a letter of application, curriculum vitae, a statement of current and future research plans, a statement of teaching philosophy and experience, and the candidate should arrange for three letters of recommendation to be submitted directly by the writers, at least one of which should address teaching. In addition, applicants are asked to submit a statement explaining how they value diversity, equity, and inclusion within their research and discipline(s) and how their own scholarly work might contribute to structural justice inside and outside institutions of higher learning. This statement should also suggest how the candidate's work, while as a member of Case Western Reserve University, will contribute to diversity, equity, and inclusion and how moving forward they intend to foster a culture of diversity, pluralism, and individual difference.

All application materials should be submitted electronically through the AMS website [mathjobs.org](https://www.mathjobs.org). Applications will be reviewed upon arrival. All applications received prior to November 18, 2022, will get full consideration. Case Western Reserve University is located in the University Circle cultural district of Cleveland, Ohio, home of the nationally top-ranked Cleveland Clinic, internationally famous Cleveland Orchestra, the Cleveland Museum of Art, the Cleveland Institute of Music, and the Cleveland Institute of Art. Within a five-mile radius from CWRU are the nation's second largest theater district, several professional sports teams, a wide range of musical, artistic, and culinary venues, recreational opportunities, and numerous diverse communities in which to live.

In employment, as in education, Case Western Reserve University is committed to Equal Opportunity and Diversity. Women, veterans, members of underrepresented minority groups, and individuals with disabilities are encouraged to apply. As a recipient of the national Higher Education Excellence in Diversity (HEED) award for the past nine years, CWRU has been recognized nationally as a leader in advancing equity and inclusivity. The university and the College of Arts & Sciences at CWRU are committed to creating an inclusive community where all are welcome, valued, and heard.

Case Western Reserve University provides reasonable accommodations to applicants with disabilities. Applicants requiring a reasonable accommodation for any part of the application and hiring process should contact the Office of Equity at 216.368.3066 to request a reasonable accommodation. Determinations as to granting reasonable accommodations for any applicant will be made on a case-by-case basis. General correspondence about this position should be sent to Nick Gurski, Search Committee Chair at nick.gurski@case.edu.



MATH ALLIANCE MEMBER INSTITUTION

Three Positions Announced at Indiana University School of Public Health, Bloomington



IU School of Public Health—Bloomington is Hiring!

Indiana University School of Public Health—Bloomington is hiring for three positions. These jobs include a post-doctoral fellow, a research associate—biostatistician and a research associate-data manager. Click on the links below for more information.

Post-Doctoral Fellow Position

Qualified candidate are invited to apply for a post-doctoral fellow with strong data analytic and collaborative skills to join a team of researchers focused on rigor, reproducibility, and transparency and/or statistical and data analytic research in the obesity, nutrition, or aging research domains. The expected start date is Oct. 1, 2022. Applications will be accepted until the position is filled.

[Read More](#)

Research Associate—Biostatistician

An immediate opening exists for a Research Associate – Biostatistician position in the Biostatistics Consulting Center in the Department of Epidemiology and Biostatistics within the School of Public Health. The Biostatistician will work under the supervision of the Executive Director of the center while working directly with faculty Principal Investigators on their respective grants and projects. Review of applications will begin immediately and continue until the position is filled.

[Read More](#)

Research Associate—Data Manager

An immediate opening exists for a Research Associate – Data Manager position in the Biostatistics Consulting Center in the Department of Epidemiology and Biostatistics within the School of Public Health. The Data Manager will work under the supervision of the Executive Director of the center while working directly with faculty Principal Investigators on their respective grants and projects. Review of applications will begin immediately and continue until the position is filled.

[Read More](#)



MATH ALLIANCE MEMBER INSTITUTION

Assistant Professor Position in Applied Mathematics at Loyola University Chicago

Job Title: Assistant Professor in Applied Mathematics

Background: Loyola University Chicago (LUC), College of Arts and Sciences, Department of Mathematics and Statistics seeks qualified candidates for an Assistant Professor position in applied mathematics beginning Fall 2023. The successful candidate will be joining a department with about 40 full-time faculty members and over 200 majors across seven undergraduate programs in mathematics, statistics and data science, and three master's programs. For more information about the department, please visit its website at <https://www.luc.edu/math/>.

Located on Chicago's vibrantly multicultural North Side, LUC is committed to creating a diverse, inclusive, and responsive community of faculty, students, and staff. As an urban-based Department we are dedicated to mentoring a diverse student body, many of whom come from under-represented and under-served populations. We especially encourage applications from candidates from under-represented groups. We also encourage applications from scholars committed to interdisciplinarity and the successful pursuit of external grants.

Duties and Responsibilities: The position requires teaching a range of math courses, from lower-level courses that serve non-science students to upper-level and graduate-level courses in mathematics and applied mathematics; developing and maintaining a quality research program; and providing service at the department, the university, and the scientific community level.

Minimum Qualifications: The candidate will have a Ph.D. in mathematics or a related field at the time of appointment. Candidates for the position must show evidence of, or strong potential for, maintaining a research program in applied mathematics, with the potential for grant funding. Candidates whose research programs align with others in the department are particularly desirable. Additionally, the candidate will have demonstrated commitment to undergraduate education, including interest in inclusive teaching practices. The candidate also must be willing to support the mission of LUC and the goals of a Jesuit Catholic Education.

Special Instructions to Applicants: Applicants should submit a current *Curriculum Vitae*, a research statement, a teaching statement, and a letter of interest to <https://www.careers.luc.edu>. They should also provide evidence that attests to their research/teaching performance and experience, and the names and addresses of three individuals prepared to advise on their professional qualifications for this position. In addition, they should include a statement addressing past or potential contributions to mentoring a diverse student body through research, teaching, and other channels and engaging a diverse community through scholarship and service.

Additionally, applicants must submit all application materials, including letters of recommendation, to <https://www.mathjobs.org>. At least one of the letters should address teaching qualifications.

Please direct inquiries to:

Dr. Peter Tingley- Chairperson, Department of Mathematics and Statistics, Loyola University Chicago Email: ptingley@luc.edu

Review of applications will begin immediately and continue until the position is filled. All applications received before **November 15** will receive full consideration.

Loyola University Chicago is an Equal Opportunity/Affirmative Action employer with a strong commitment to hiring for our mission and diversifying our faculty. The University seeks to increase the diversity of its professoriate, workforce and undergraduate and graduate student populations because broad diversity – including a wide range of individuals who contribute to a robust academic environment – is critical to achieving the University's mission of excellence in education, research, educational access and services in an increasingly diverse society. Therefore, in holistically assessing the many qualifications of each applicant, we would factor favorably an individual's record of conduct that includes experience with an array of diverse perspectives, as well as a wide variety of different educational, research or other work activities. Among other qualifications, we would also factor favorably experience overcoming or helping others overcome barriers to an academic career or degrees.

As a Jesuit Catholic institution of higher education, we seek candidates who will contribute to our strategic plan to deliver a Transformative Education in the Jesuit tradition. To learn more about LUC's mission, candidates should consult our website at www.luc.edu/mission/. For information about the university's focus on transformative education, they should consult our website at www.luc.edu/transformativede.



MATH ALLIANCE MEMBER INSTITUTION

Multiple Lecturer Positions in Math or Stat Announced at Loyola University Chicago

Job Title: Lecturer in Mathematics or Statistics (3 positions)

Background: Loyola University Chicago (LUC), College of Arts and Sciences, Department of Mathematics and Statistics seeks qualified candidates for three Lecturer positions in mathematics or statistics beginning Fall 2023. The successful candidates will be joining a department with approximately 40 full-time faculty members and over 200 majors across 7 undergraduate programs in mathematics, statistics and data science, and 3 master's programs. For more information about the department, please visit its website at <https://www.luc.edu/math/>.

Located on Chicago's vibrantly multicultural North Side, LUC is committed to creating an inclusive, responsive community of faculty, students, and staff. As an urban-based Department we are dedicated to mentoring a diverse student body, many of whom come from under-represented and under-served populations. We especially encourage applications from candidates from under-represented groups. We also encourage applications from scholars committed to interdisciplinarity.

Duties and Responsibilities: The main duty and responsibility of this position is teaching a range of math and/or stats courses, from lower-level courses that serve non-science students to upper-level courses that serve our majors. We are hiring for several positions, and there is some flexibility as to exactly which courses a candidate would specialize in. In particular, candidates primarily interested in either mathematics or statistics are welcome. Secondary duties include contributing to departmental service in a variety of ways.

Minimum Qualifications: The candidate will have a Ph.D. in mathematics or statistics or a related subject at the time of appointment. Additionally, the candidate will have demonstrated commitment to undergraduate education, including interest in inclusive teaching practices. The candidate also must be willing to support the mission of LUC and the goals of a Jesuit Catholic Education.

Special Instructions to Applicants: Applicants should submit a current *Curriculum Vitae*, a teaching statement, and a letter of interest to <https://www.careers.luc.edu>. They should also provide evidence that attests to their teaching performance and experience, and the names and addresses of three individuals prepared to advise on their professional qualifications for this position. In addition, they should include a statement addressing past or potential contributions to mentoring a diverse student body through research, teaching, and other channels and engaging a diverse community through scholarship and service.

Additionally, applicants must submit all application materials, including letters of recommendation, to <https://www.mathjobs.org>. At least one of the letters should address teaching qualifications.

Please direct inquiries to:
Dr. Peter Tingley
Chairperson, Department of Mathematics and Statistics
Loyola University Chicago
Email: ptingley@luc.edu

Review of applications will begin immediately and continue until the position is filled. Applications received before **November 15** will receive full consideration.

Loyola University Chicago is an Equal Opportunity/Affirmative Action employer with a strong commitment to hiring for our mission and diversifying our faculty. The University seeks to increase the diversity of its professoriate, workforce and undergraduate and graduate student populations because broad diversity – including a wide range of individuals who contribute to a robust academic environment – is critical to achieving the University's mission of excellence in education, research, educational access and services in an increasingly diverse society. Therefore, in holistically assessing the many qualifications of each applicant, we would factor favorably an individual's record of conduct that includes experience with an array of diverse perspectives, as well as a wide variety of different educational, research or other work activities. Among other qualifications, we would also factor favorably experience overcoming or helping others overcome barriers to an academic career or degrees.

As a Jesuit Catholic institution of higher education, we seek candidates who will contribute to our strategic plan to deliver a Transformative Education in the Jesuit tradition. To learn more about LUC's mission, candidates should consult our website at www.luc.edu/mission/. For information about the university's focus on transformative education, they should consult our website at www.luc.edu/transformativede.



MATH ALLIANCE MEMBER INSTITUTION

Two Positions in Mathematics Announced at Michigan State University



The [Department of Mathematics](#) at [Michigan State University](#) invites applications for Fixed-Term Departmental Postdoctoral Research Associates (Postdocs) and Fixed-Term Research Associates with a starting date of Fall 2023.

Postdoctoral Research Associates (Postdocs) comprise the department postdoctoral fellows program that contribute to the research and instructional mission of our unit. These are academic year appointed positions.

Fixed-Term Research Associates support the research activities of currently funded external research grants as outlined in the grants statement of work and budget. These positions are either academic or annual year appointments.

Both positions are benefits eligible and are potentially renewable on an annual basis through Spring 2026, 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 or related field by August 10, 2023.

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 must be submitted via [mathjobs.org](https://www.mathjobs.org). Submit your application directly at <https://www.mathjobs.org/jobs/list/20448>. The evaluation process will begin on **December 1, 2022**, and review of applications will continue until positions are filled. A background check is required for employment.

Remote Work Statement: *MSU strives to provide a flexible work environment and this position has been designated as remote-friendly. Remote-friendly means some or all of the duties can be performed remotely as mutually agreed upon.*

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

Math Biology Research Associate Positions in Mathematics Announced at Michigan State University



MSU MATHEMATICS

The [Department of Mathematics](#) at [Michigan State University](#) invites applications for Mathematical Biology Research Associates with a starting date of August 16, 2023. However, earlier starting dates are possible. These are one-year, benefits-eligible positions that are potentially renewable on an annual basis contingent upon satisfactory performance and availability of funding. Candidates will be mainly evaluated on their potential in research.

Candidates are required to have a Ph.D. in Mathematics or equivalent area, such as computational chemistry/biology/biophysics and computer science.

Applications are considered from any of the focus areas 1) AI-based drug design and discovery, 2) Bioinformatics/protein engineering/single-cell RNA sequence analysis, 3) Machine learning/deep learning, 4) Computational topology/geometry/graph.

Research Associates will be affiliated with Professor Guowei Wei, who will direct their research activities. The research associates will engage in our active instructional mentoring program if their appointment includes an instructional component.

Applicants must submit their application materials the Mathematical Biology Research Associate job posting on Mathjobs.org at <https://www.mathjobs.org/jobs/list/20327> to be considered. A complete application includes a vita, research statement the indicates their experience in any of the four focus area, and at least 3 letters of recommendation, one of which must address their teaching experience.

Minimum Requirements: Candidates are required to have a Ph.D. in Mathematics or equivalent area before the starting date.

Review of applications will begin on **October 5, 2022** and continue until positions are filled. A background check is required for employment.

Remote Work Statement: *MSU strives to provide a flexible work environment and this position has been designated as remote-friendly. Remote-friendly means some or all of the duties can be performed remotely as mutually agreed upon.*

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

Two RTG Postdoc Positions in Mathematics Announced at Michigan State University



MSU MATHEMATICS

The [Department of Mathematics](#) at [Michigan State University](#) invites applications for two Research Training Group (RTG) Postdoctoral Associate positions with a starting date of **Fall 2023**. This is a three-year, benefits eligible position, associated with the NSF-funded RTG project “Algebraic and Geometric Topology at Michigan State.” Appointments will be renewed annually for up to three years, contingent on satisfactory performance. Topology at MSU is represented by a vibrant group of faculty and graduate students; a group with rich interaction amongst not only its members but also with the closely connected research groups at MSU in geometry and algebra. RTG Postdoctoral Associates will be integrated into the topology group through pairing with faculty mentors, participation and co-leadership in RTG activities, vertically integrated structured research projects, thoughtful curation of teaching assignments, and engagement in the department’s active instructional mentoring program. Candidates will be evaluated on their potential in research, teaching, graduate and undergraduate mentorship, and their fit with the topology research community at MSU. Candidates are required to have a Ph.D. in Mathematics by August 10, 2023. Due to NSF rules, the position is restricted to US citizens, nationals, or permanent residents.

Some features of the RTG postdoctoral position include:

- Mentoring in research, teaching, and other aspects of professional development.
- Summer support for two summers.
- Funding in the amount of \$6000 per year for travel and supplies.
- A teaching expectation of one course per semester.
- Participation in RTG activities such as seminars, conference organization, research collaboration with graduate students and faculty, and assisting with mentoring and directed reading programs for undergraduates.

Applicants should submit a CV, cover letter, and statements on research and teaching, as well as arranging for 4 letters of recommendation to be submitted, one of which must specifically address the applicant's teaching experiences.

Review of applications will begin on December 1, 2022, and will continue until the positions are filled. A background check is required for employment. Appointments will be renewed annually for up to three years, contingent on satisfactory performance.

Application Materials Required: Submit the following items online at [Mathjobs.org](#) to complete your application. All applicants must submit application materials to the Mathjobs.org posting at <https://www.mathjobs.org/jobs/list/20419>:

- Cover Letter
- Curriculum Vitae
- Research Statement
- Teaching Statement
- Four Reference Letters, at least one of which addresses teaching (to be submitted online by the reference writers at this site)

For questions or further information:

Teena Gerhardt (teena@math.msu.edu), Matthew Hedden (mhedden@math.msu.edu), Effie Kalfagianni (kalfagia@msu.edu), Matthew Stoffregen (stoffrel@msu.edu)

<https://math.msu.edu/>

Department of Mathematics—Michigan State University, 619 Red Cedar Road, C212 Wells Hall, East Lansing, MI 48824

Remote Work Statement: *MSU strives to provide a flexible work environment and this position has been designated as remote-friendly. Remote-friendly means some or all of the duties can be performed remotely as mutually agreed upon.*

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/>*

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



MATH ALLIANCE MEMBER INSTITUTION

Two Tenure-track Faculty Positions in Mathematics Announced at Michigan State University



MSU MATHEMATICS

The [Department of Mathematics](#) at [Michigan State University](#) invites applications for two (2) tenure system positions beginning Fall 2023. 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 PhD program. The department supports BS degrees in Mathematics, Actuarial Science, and Computational Mathematics, as well as an Advanced Mathematics undergraduate program, with many students continuing to advanced degrees.

One tenure system position will focus on research in geometry. Preference will be given to applicants with an emphasis on geometric analysis broadly defined. The second tenure system position will focus on research in combinatorics. Preference will be given to applicants with research in combinatorics, theoretical applied mathematics, or working at their interface.

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:

- A one 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.
- Curriculum Vitae, 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.
- 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.
- 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.
- Four letters of reference. Three of these letters should address the applicant's research while one letter should address the applicant's instructional experience.

Applications for the geometry tenure system position should be submitted via mathjobs.org at

<https://www.mathjobs.org/jobs/list/20274>.

Applications for the combinatorics tenure system position should be submitted via mathjobs.org at

<https://www.mathjobs.org/jobs/list/20270>.

The evaluation process will begin on **November 1, 2022**, and review of applications will continue until the position is filled. Questions may be directed to the chair of the search committee, Prof. Keith Promislow (promislo@msu.edu). Applicants are encouraged to explore the MSU Department of Mathematics website at <https://math.msu.edu>.

Remote Work Statement: *MSU strives to provide a flexible work environment and this position has been designated as remote-friendly. Remote-friendly means some or all of the duties can be performed remotely as mutually agreed upon.*

Equal Employment Opportunity Statement: *All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, 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

Multiple Tenure-track Faculty Positions in Mathematics Announced at University of Tennessee Knoxville

The [Mathematics Department](#) at [The University of Tennessee, Knoxville](#) seeks exceptional candidates to fill three Tenure-Track, Assistant Professor positions, starting August 1, 2023.

For more information and to apply, please see the linked positions on Interfolio:

- [Assistant Professor, in the area of Math Biology](#)
- [Assistant Professor, in the area of Probability](#)
- [Assistant Professor, in the area of Topology](#)

The University of Tennessee encourages applications from candidates who have the ability to contribute in meaningful ways to the diversity and intercultural goals of the University.

Open Rank Faculty Position Announced at North Carolina State University

The logo for North Carolina State University, consisting of the words "NC STATE UNIVERSITY" in white, bold, sans-serif font on a red rectangular background.

NC STATE
UNIVERSITY

Assistant/Associate/Full Professor (Open Rank) position in Statistics at NC State

The [Department of Statistics](#) at North Carolina State University seeks to hire multiple tenured/ tenure-track faculty for an August 2023 start, and all ranks will be considered. Responsibilities for this position include teaching graduate and undergraduate courses, research, advising students, doctoral student research supervision and contributing to program development and scholarly activities in the department. Service to the Department, College, University, and profession are also a requirement.

The expectation is also to achieve outstanding research, teaching, mentoring, and collaborations on campus and world-wide, within a cohesive and diverse department, where all students, faculty, and staff receive fair and equitable treatment. 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.

For more details and to apply, check out: <https://jobs.ncsu.edu/postings/169840> and for any inquiry about the position, please contact by sending email to group-stats-search@ncsu.edu and for more about the department check out the webpage: <https://statistics.sciences.ncsu.edu/>



Tenure-Track Assistant Professor Position in Statistics Announced at San Francisco State University

San Francisco State University, Department of Mathematics offers an exciting opportunity for a tenure-track Assistant Professor position in Statistics beginning August 2023. We seek a colleague whose teaching and research interests include Mathematical Statistics and/or Computational Statistics/Statistical Data Science. Candidates with a track record of using numerical/computational methods in applied data science and with a strong mathematical background will be highly preferred. As SFSU is a Hispanic-Serving institution with one of the most diverse student bodies in the U.S, we are especially interested in qualified candidates who can contribute, through their research, teaching, and service to the diversity and excellence of the academic community.

Responsibilities: The position requires graduate and undergraduate teaching in Statistics, Data Science, and related fields, mentoring and advising graduate and undergraduate students, supervising student research in areas related to Statistics and Data Science, developing an active ongoing and original research and scholarship program in the field of Statistics with an emphasis in modern methods in Data Science, and ongoing committee and service assignments. Detailed position description is available at math.sfsu.edu.

Required Qualifications:

- Ph.D. in Statistics, Biostatistics, or a related field. Terminal degree must be completed by the first day of employment.
- Record of working and communicating effectively with colleagues and students.

Preferred Qualifications:

- Strong evidence of professional achievement in Statistics and/or Data Science, together with proven success in securing external funding or exceptional promise in doing so.
- Exemplary track record in teaching.
- Active record of scholarship related to specialty area that involves mathematical statistics.
- Evidence of inclusion of students in research and demonstrated ability to incorporate inclusion, diversity, and educational equity in teaching and scholarship.
- Experience teaching and working closely with students from historically under-represented communities
- Record of contributing to collegial, supportive and collaborative work environments

Rank and salary: Assistant Professor, tenure track. Salary commensurate with qualifications and experience, accomplishment, and research leadership potential/record. The California State University (CSU) provides generous health, retirement, and other benefits.

Application: Submit the following seven items electronically through Page Up by **11:59 PM Pacific Standard Time on Sunday November 6, 2022:**

- a cover letter,
- the AMS cover sheet,
- a curriculum vitae (that includes educational, employment, publication, and funding histories),
- a research plan,
- a statement of teaching philosophy that also addresses how the teaching and scholarship will align with the commitment of the Mathematics Department to foster an inclusive and diverse academic community,
- a publication list, and
- a list of external funding secured.

The last two items are intended to duplicate parts of the CV. In addition to those seven items, please provide names and contact information for

- at least three references who can provide letters of recommendation on your research, and
- at least one reference who can provide a letter of recommendation in regard to your teaching.
- All letters should be dated no earlier than 2022 and will be uploaded to the application website by the reference.

Questions may be addressed by email (erichsu@sfsu.edu) to Eric Hsu, Chair, Hiring Committee and Department of Mathematics. Review of applications will continue until the position is filled. 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 tohr@campus.edu.

Thank you for your interest in employment with California State University (CSU). CSU is a state entity whose business operations reside within the State of California. Because of this, CSU prohibits hiring employees to perform CSU-related work outside of California with very limited exceptions. While this position may be eligible for occasional telework, all work is expected to be performed in the state of California, and this position is assigned to on-campus operations. San Francisco State is an Equal Opportunity/Affirmative Action Employer and does not discriminate against persons on the basis of race, religion, color, ancestry, age, disability, genetic information, gender, gender identity, gender expression, marital status, medical condition, national origin, sex, sexual orientation, covered veteran status, or any other protected status. We strongly encourage the application of individuals from historically underrepresented groups. Reasonable accommodations will be provided for qualified applicants with disabilities who self-disclose by contacting the Senior Human Resources Manager. Additional information on the requirements for new hires may be found on the Human Resources web page (<https://hr.sfsu.edu/about-hr>).



MATH ALLIANCE MEMBER INSTITUTION

Tenure-Track Faculty Position in Math Education Announced at The Ohio State University



THE OHIO STATE
UNIVERSITY

The Department of Mathematics at Wake Forest University invites applications for at least two Teacher-Scholar Postdoctoral Fellow positions available beginning July 2023. Applications are invited from all areas of Mathematics including Mathematics, Applied Mathematics, and Computational Mathematics. Holders of this position will teach two courses per semester.

We seek highly qualified candidates who have a commitment to excellence in both teaching and research. Primary consideration will be given to candidates whose research interests overlap with existing faculty. A Ph.D. in Mathematics, Applied Mathematics or a related area is required. The department has 26 members and offers both a B.A. and a B.S. in Mathematics, a B.S. in Applied Mathematics, and a B.S. in Mathematical Economics.. The department has a graduate program offering an M.S. in Mathematics.

A complete application will include a letter of application, a curriculum vitae, a research statement, a teaching statement, copies of graduate transcripts, and three letters of recommendation, at least one of which largely addresses teaching. Applications will be accepted until the position is filled, but to guarantee full consideration, applications should be complete by January 15th, 2023. Applicants should post materials electronically at <https://www.mathjobs.org/jobs/list/21210>. Inquiries may be sent to raynorsg@wfu.edu.

Qualifications:

Candidates with an established research record in mathematics research relating to diversity, equity, and inclusion in STEM education are encouraged to apply. We are seeking candidates who will build a consistent research program and will have a strong commitment to excellence in evidence-based teaching at both the undergraduate and graduate levels. The Department values diversity, is committed to building a culturally diverse intellectual community, and strongly encourages applications from women and underrepresented minorities. Candidates must hold a PhD in mathematics, mathematics education, or a closely related field, or anticipate receiving their degree by August 2023. Appointment is contingent on the university's verification of credentials and other information required by law and/or university policies, including but not limited to a criminal background check.

Application Instructions:

Apply to MathJobs Online at <https://mathjobs.org/jobs/list/20532>. A complete application consists of a cover letter, curriculum vitae, research, teaching, and diversity statements, and three letters of reference. The diversity statement should articulate your demonstrated commitments and capacities to contribute to diversity, equity, and inclusion through research, teaching, mentoring, and/or outreach and engagement. **Review of applications will begin on October 15th, 2022** and will continue until the position is filled. Inquiries may be directed to Jim Fowler, search committee chair, at fowler@math.osu.edu.

Over the next few years, The Ohio State University is committed to welcoming 350 new faculty hires, many of which will contribute to growing our role as a premier research university equipped to answer and interrogate the critical domestic and global societal challenges that deter equality and inclusion. We are responsive to dual-career families and strongly promote work-life balance to support our community members through a suite of institutionalized policies.

The Ohio State University is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation or identity, national origin, disability status, or protected veteran status.



MATH ALLIANCE MEMBER INSTITUTION

Multiple Tenure-Track Faculty Positions in Math at The Ohio State University



THE OHIO STATE
UNIVERSITY

Description:

The Department of Mathematics in the College of Arts and Sciences at The Ohio State University seeks applications to fill multiple tenure-track faculty positions at the rank of Assistant Professor. While candidates in all research areas will be considered, the department is particularly interested in applicants working in analysis, actuarial and financial mathematics, applied mathematics, discrete mathematics, geometry and topology, or quantum mathematics. It is expected that this faculty member will be significantly engaged with the graduate and undergraduate programs in the Mathematics Department (e.g. directing PhD, Master's theses, and/or directing undergraduate research).

Qualifications:

A doctoral degree in Mathematics or related field is required at the time of application. The ideal candidate will have a consistent research record in their chosen research area, and evidence of strong teaching ability. The Department values diversity, is committed to building a culturally diverse intellectual community, and strongly encourages applications from women and underrepresented minorities. Appointment is contingent on the university's verification of credentials and other information required by law and/or university policies, including but not limited to a criminal background check.

About Columbus:

The Ohio State University campus is located in Columbus, the capital city of Ohio. Columbus is the Midwest's fastest-growing city and the nation's 14th largest city. Columbus offers a diverse array of welcoming neighborhoods and a vibrant arts and culture scene. Additional information about all that the Columbus area has to offer is available at <https://visit.osu.edu/experience>.

Application Instructions:

Apply to Mathjobs Online at <https://www.mathjobs.org/jobs/list/20533>. A complete application consists of a cover letter, curriculum vitae, research, teaching and diversity statements, and three letters of reference. The diversity statement should articulate your demonstrated commitments and capacities to contribute to diversity, equity, and inclusion through research, teaching, mentoring, and/or outreach and engagement. **Review of applications will begin on October 1st, 2022** and will continue until the positions are filled. Inquiries may be directed to Denise Clark at clark.879@osu.edu.

The Ohio State University is committed to enhancing academic excellence. Recruiting, supporting, and retaining faculty of the highest caliber is a core component of this commitment. In support of this, The Office of Academic Affairs (OAA) has created the Office of Dual Careers and Faculty Relocation (DCFR) to focus on supporting new and prospective faculty. This support includes dual careers services, consultation and resources related to relocation, as well as identifying opportunities to engage on campus and the surrounding community. While employment opportunities are not guaranteed, resources and consultation are available to support the partners of new and prospective faculty as they are considering The Ohio State University and throughout their transition.

The Ohio State University is committed to establishing a culturally and intellectually diverse environment, encouraging all members of our learning community to reach their full potential. Over the next few years, The Ohio State University is committed to welcoming 350 new faculty hires, many of which will contribute to growing our role as a premier research university equipped to answer and interrogate the critical domestic and global societal challenges that deter equality and inclusion. We are responsive to dual-career families and strongly promote work-life balance to support our community members through a suite of institutionalized policies.

The Ohio State University is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation or identity, national origin, disability status, or protected veteran status.



MATH ALLIANCE MEMBER INSTITUTION

Department Chair Position in Mathematics Announced at University of Alabama



The University of Alabama seeks an outstanding individual at the rank of Full Professor for the position of Chair of the Department of Mathematics. Associate Professors who will have the qualifications to be promoted to Full Professor at the time of appointment are also welcome to apply. The successful candidate will

1. possess a national/international reputation, with an active research program and a track record of external funding;
2. have an outstanding record of teaching at the undergraduate and graduate levels; and
3. have the vision and proven leadership abilities to advance the department within an R1 designated university.

They should have an understanding and enthusiasm for both the teaching and research missions of the department and preferably have administrative experience. The department values collective decision making and transparency in administrative processes and expects the future chair to respect and continue these norms.

The Department of Mathematics consists of 28 tenure system faculty, 19 renewable contract faculty, and 4 postdoc scholars. The faculty have been awarded numerous individual grants, including one member recently obtaining an NSF CAREER award. The department has active research programs in algebra, analysis, data science, fluid dynamics, image processing, mathematical biology, mathematics education, materials science, optimization, partial differential equations, scientific computing, statistics, stochastic processes, and topology. The applicant's area of expertise should complement one or more of these programs.

Applicants should apply online at <https://facultyjobs.ua.edu/postings/51243>. A complete application should include a letter of application; a curriculum vita; a statement of administrative and leadership experience and philosophy; a statement of research experience and plans; a statement of teaching philosophy and interests; and a statement on diversity, equity, and inclusion. In addition, applicants should list three references with complete contact information. References will be requested for those who are being considered for an initial zoom interview.

The review of applications will start on **November 1, 2022**, and will be ongoing. New applications will continue to be accepted and reviewed until the position is filled. The position is scheduled to start on August 16, 2023, or as negotiated.

For further questions or information, please contact the chairperson of the search committee, Dr. Shibin Dai, at sdai4@ua.edu.

The University of Alabama is an Equal Employment/Equal Educational Opportunity Institution. All qualified applicants will receive consideration for employment or volunteer status without regard to race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, pregnancy, age, genetic or family medical history information, disability, protected veteran status, or any other legally protected basis, and will not be discriminated against because of their protected status. Applicants and employees of this institution are protected under Federal law from discrimination on several bases. Follow the links below to find out more.

EEO is the Law

https://www.eeoc.gov/sites/default/files/migrated_files/employers/poster_screen_reader_optimized.pdf

EEO is the Law Poster Supplement

http://www.dol.gov/ofccp/regs/compliance/posters/pdf/OFCCP_EEO_Supplement_Final_JRF_QA_508c.pdf



MATH ALLIANCE MEMBER INSTITUTION

Assistant Prof. Position in Actuarial Sciences Position Announced at University of Delaware



The Department of Mathematical Sciences at the University of Delaware is seeking a permanent, teaching-focused continuing-track (CT) faculty member at the rank of Assistant Professor to support its undergraduate Actuarial Sciences degree program. Continuing-Track faculty positions are distinct from tenured-track positions, but are eligible for continuing contract renewals, promotion in academic rank, and sabbaticals. More information about the University's Continuing Track faculty rank can be found [here](#).

The successful candidate will be charged with enhancing our existing Actuarial Sciences program by developing new courses to prepare students who will be taking actuarial exams, advising Actuarial Sciences majors, and teaching key courses, including introductory and advanced actuarial mathematics, probability, and introductory and mathematical statistics. CT faculty contribute to departmental service and develop a program of scholarly engagement through publications, presentations at professional meetings, etc.

Candidates must have:

- A Ph.D. in mathematics, statistics, actuarial science, or a closely related discipline. In the last case, the candidate must have a master's in mathematics.
- Experience with actuarial (or financial) mathematics.
- A strong commitment to advising and preparing undergraduate Actuarial Sciences students for success in actuarial exams and the job market.

The preferred candidate should have:

- Teaching experience in probability, statistics, and/or actuarial mathematics.
- Attempted an actuarial exam.

A full teaching load is twelve credits per semester. 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, 2023.

Review of applications will begin on November 15, 2022 and will continue until the position is filled. Applicants should submit the following materials through the [MathJobs](#) system:

- an AMS cover sheet,
- a detailed cover letter outlining interest in the position and relevant skills and experience,
- a current CV,
- an actuarial transcript (if available),
- three letters of recommendation (at least one letter should address the candidate's teaching ability),
- a statement of teaching philosophy (maximum of three pages) addressing the job qualifications described above; candidates are encouraged to describe their efforts and intentions to promote an inclusive culture in the classroom
- a research statement describing achievements and plans for future work

Questions, but not application material, should be e-mailed to Dr. Eirini Kilikian at eirkili@udel.edu with "Continuing-track Faculty Position" in the subject line.

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 [here](#). 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.



MATH ALLIANCE MEMBER INSTITUTION

The Department of Statistics at the University of Michigan Announce 2 Openings



The Department of Statistics at the University of Michigan, Ann Arbor, invites applications for two opportunities beginning August 28, 2023. One is a tenure-track assistant professor position, although exceptional candidates at higher ranks may be considered subject to additional approval from the administration. This is a university year (nine months) appointment. A Ph.D. in statistics or a related field is required.

Applicants in all areas of statistics and data science who have demonstrated outstanding research potential, excellence in teaching and commitment to diversity are encouraged to apply. Apply on [mathjobs.org](https://www.mathjobs.org)

<https://www.mathjobs.org/jobs/list/20292> and submit your curriculum vitae, academic transcript if less than three years post PhD, 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 uploaded to mathjobs. Review of applications will begin on November 1, 2022 and continue until the position is filled; **apply by November 1** to ensure full consideration. For more information about the department, visit <http://www.lsa.umich.edu/stats/>.

The second opportunity is through the LSA Collegiate Fellows (LCF) program. This program recruits early career scholars whose research, and/or teaching, and/or service will contribute to diversity, equity, and inclusion in higher education. The program is open to all persons who meet the eligibility criteria, without regard to race, gender, ethnicity, or other identity characteristics. This faculty hiring initiative provides either one-two years of postdoctoral fellowship support in preparation for tenure track appointments or immediate tenure track appointments in LSA departments. . **The deadline to apply is November 1, 2022.** For more information and to apply, visit <https://lsa.umich.edu/ncid/fellowships-awards/lsa-collegiate-postdoctoral-fellowship.html>.

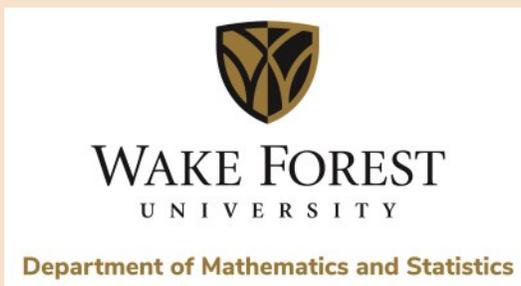
We strongly encourage women and minorities to apply. The University of Michigan is supportive of the needs of dual career couples and is an equal opportunity/affirmative action employer. Offers for this appointment are contingent on successful completion of a background screening.

This offer is contingent upon reporting your COVID19 proof of vaccinations no later than one week before your appointment start date. You may request a medical or religious exemption; however, successful completion of the exemption process must occur prior to your start date. If you will not be up to date on your vaccinations at the time of hire (defined as receiving all recommended doses in the primary vaccine series and one booster when eligible), you may request an exemption. A temporary postponement may be requested if you are unable to receive the primary series or booster in your country of origin or current location. More information on this policy is available on the Campus Blueprint website. <https://campusblueprint.umich.edu/>.



MATH ALLIANCE MEMBER INSTITUTION

Multiple Teacher-Scholar Postdoc Fellow Positions in Math Announced at Wake Forest University



The Department of Mathematics at Wake Forest University invites applications for at least two Teacher-Scholar Postdoctoral Fellow positions available beginning July 2023. Applications are invited from all areas of Mathematics including Mathematics, Applied Mathematics, and Computational Mathematics. Holders of this position will teach two courses per semester.

The Department of Mathematics at Wake Forest University takes seriously the charge to be a space which is truly welcoming to all, and we are actively engaged in work to remove barriers to success and create new systems of support for students and faculty. We especially encourage applications from those belonging to groups traditionally underrepresented in the sciences. For details, please see <http://www.math.wfu.edu>.

We seek highly qualified candidates who have a commitment to excellence in both teaching and research. Primary consideration will be given to candidates whose research interests overlap with existing faculty. A Ph.D. in Mathematics, Applied Mathematics or a related area is required. The department has 26 members and offers both a B.A. and a B.S. in Mathematics, a B.S. in Applied Mathematics, and a B.S. in Mathematical Economics.. The department has a graduate program offering an M.S. in Mathematics.

Wake Forest University is a private, coeducational institution dedicated to academic excellence in liberal arts, graduate and professional education. Founded in 1834, the University is ranked among the top 30 national universities. With 5,400 undergraduates and 3,300 graduate and professional students, the student-faculty ratio is 11:1. Wake Forest is a collegiate university offering a vibrant intellectual community with a rich cultural life, an impressive array of facilities, and an active athletics community. The University has a deep institutional commitment to public service and engagement with the world, as indicated by the motto "Pro Humanitate." For quick facts about the University, go to <https://admissions.wfu.edu/facts>.

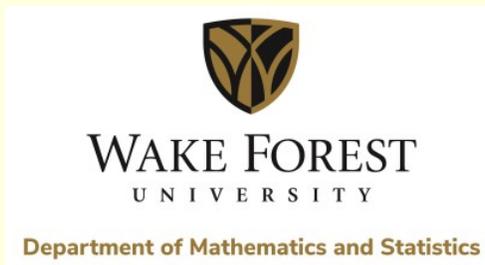
A complete application will include a letter of application, a curriculum vitae, a research statement, a teaching statement, copies of graduate transcripts, and three letters of recommendation, at least one of which largely addresses teaching. Applications will be accepted until the position is filled, but to guarantee full consideration, applications should be complete by January 15th, 2023. Applicants should post materials electronically at <https://www.mathjobs.org/jobs/list/21210>. Inquiries may be sent to ravnorsg@wfu.edu.

Wake Forest University is an AA/EO employer and values an inclusive and diverse learning community and campus climate.



MATH ALLIANCE MEMBER INSTITUTION

Tenure-Track Assistant Professor Position in Mathematics Announced at Wake Forest University



The Wake Forest University Department of Mathematics is seeking applications to fill a tenure track Assistant Professor position in Mathematics beginning July 2023. Preference will be given to applicants who can support our teaching and mentoring missions in the broad areas of analysis and/or applied mathematics. A Ph.D. in Mathematics, Applied Mathematics, or a related area is required.

The successful candidate will actively engage with students both inside and outside of the classroom and advance a high-quality research program. Tenured and tenure-track department faculty teach two courses per semester. The Department of Mathematics at Wake Forest University takes seriously the charge to be a space which is truly welcoming to all, and we are actively engaged in working to remove barriers to success and create new systems of support for students and faculty. We especially encourage applications from those belonging to groups traditionally underrepresented in the sciences. For details, please see <http://www.math.wfu.edu>.

The department has twenty-six faculty members. We offer the following undergraduate degrees: a B.A. and a B.S. in Mathematics, a B.S. in Applied Mathematics, and a B.S. in Mathematical Economics; we also have a mathematics minor. The department also has a graduate program offering an M.S. in Mathematics. In addition, the department currently supports five postdoctoral positions which are mentored by our permanent research faculty.

Wake Forest University is a private, coeducational institution dedicated to academic excellence in liberal arts, as well as graduate and professional education. Founded in 1834, the University is among the top 30 national universities as ranked by U.S. News. With 5,400 undergraduates and 3,400 graduate and professional students, the student-faculty ratio is 11:1. Wake Forest is a collegiate university offering a vibrant intellectual community with a rich cultural life, an impressive array of facilities, and an active athletics community. The University has a deep institutional commitment to public service and engagement with the world, as indicated by the motto "Pro Humanitate." For additional facts about the University, go to <https://admissions.wfu.edu/facts/>.

A complete application will include a letter of application, a curriculum vitae, a research statement, a teaching statement, copies of graduate transcripts, three or more letters of recommendation, at least one of which largely addresses teaching. Applications will be accepted until the position is filled, but to guarantee full consideration, applications should be complete by November 15th, 2022. Applicants should post materials electronically at <https://www.mathjobs.org/jobs/list/20922>. Inquiries may be sent to raynorsg@wfu.edu.

Wake Forest University is an AA/EO employer and values an inclusive and diverse learning community and campus climate.



MATH ALLIANCE MEMBER INSTITUTION

Fixed-Term Assistant Professor in Math Education Announced at Washington State University



The Department of Mathematics and Statistics at Washington State University invites applications for a scholarly assistant professor career track faculty position in Pullman, WA, with a specialty in **Mathematics Education** beginning Fall 2023. This position is a fixed-term, nine-month, three-year appointment with possibility of renewal. We seek applicants who are passionate about mathematics and mathematics education to teach courses and engage in scholarship focused on mathematics education.

Expected duties include teaching (60%), additional area of interest and responsibility (see list of potential options below) (20%), and service (20%). The successful candidate will be expected to teach six courses per year and develop curriculum, particularly in teacher preparation. Teaching expectations also include supervision of graduate students, both teaching assistants and as part of dissertation and thesis committees. The additional area of interest and responsibility in mathematics education could include activities such as research on secondary education issues; research on the transition from secondary to post-secondary; research on issues in university foundational mathematics courses; outreach to K-12 schools, as well as state and national boards; creation and implementation of pathways for students from traditionally excluded groups to the university; or creation of programs to broaden participation in the Mathematical Sciences.

Formal screening of applications will begin **November 21, 2022** and continue until the position is filled. For a more comprehensive description and to apply, visit wsu.edu/jobs, select your appropriate employment status, and search for **R-7647**.

Required Qualifications:

- Completed Ph.D. in Mathematics Education or Ph.D. in Mathematics with a demonstrated record of contributions to Mathematics Education
- Demonstrated record of or potential for research, scholarship, and outreach in mathematics education
- Proven or potential for successful teaching and instruction at the undergraduate and graduate level
- Demonstrated commitment to campus diversity, equity, and inclusion efforts

Preferred Qualifications:

- Teaching, administration, or outreach experience in secondary education

Inquiries should be directed to Prof. Judi McDonald, JMcDonald1@WSU.edu

WSU is an equal opportunity and affirmative action employer. Members of ethnic minorities, women, veterans, persons of disability and/or persons age 40 and over are strongly encouraged to apply.



MATH ALLIANCE MEMBER INSTITUTION

Tenure-Track Assistant Professor in Statistics Position Announced at Washington State University



The Department of Mathematics and Statistics at Washington State University invites applications for a full-time, nine-month, tenure-track Assistant Professor position in Pullman, WA, with a specialty in **Statistics**. We seek applicants who have an established or emerging research record in methodology and theory for statistical machine learning or modern statistical computation. The successful candidate will be expected to teach undergraduate and graduate courses in Statistics, develop independent and collaborative research, establish an externally funded research program, and publish scholarly work. The candidate will also be expected to develop interdisciplinary research collaborations with allied research groups in sciences, engineering, and other areas. Expected start date of employment is August 16, 2023.

Qualification: A completed doctoral degree in Statistics or a closely related field is required prior to the start of the appointment. The successful candidate must have a demonstrated record of or potential for research in statistical learning and/or statistical computation. Candidates should be able to teach undergraduate and graduate courses in Statistics and have demonstrated commitment to campus diversity, equity, and inclusion efforts. The candidate must have a willingness to work collaboratively with faculty and to mentor students from a wide range of disciplines, cultures, and academic backgrounds. Demonstrated excellent verbal and written communication skills are essential.

Applications should include a cover letter of application, a curriculum vitae, a statement of research, a statement of teaching experience and interests, a statement of your experiences, contributions, and commitments to diversity, and at least three references, of which at least one addresses teaching ability.

Formal screening of applications will begin **November 13, 2022**. For a more comprehensive description and to apply, visit wsu.edu/jobs, select your appropriate employment status, and search for **R-7431**.

Inquiries should be directed to Yuan Wang, yuan.wang@wsu.edu

WSU is an equal opportunity and affirmative action employer. Members of ethnic minorities, women, veterans, persons of disability and/or persons age 40 and over are strongly encouraged to apply.

For additional information on Washington State University and the Department of Mathematics and Statistics, visit our home page at <https://www.math.wsu.edu/>



MATH ALLIANCE MEMBER INSTITUTION

Fixed-Term Assistant Professor in Math Education Announced at Washington State University



The Department of Mathematics and Statistics at Washington State University invites applications for a scholarly assistant professor career track faculty position in Pullman, WA, with a specialty in **Mathematics Education** beginning Fall 2023. This position is a fixed-term, nine-month, three-year appointment with possibility of renewal. We seek applicants who are passionate about mathematics and mathematics education to teach courses and engage in scholarship focused on mathematics education.

Expected duties include teaching (60%), additional area of interest and responsibility (see list of potential options below) (20%), and service (20%). The successful candidate will be expected to teach six courses per year and develop curriculum, particularly in teacher preparation. Teaching expectations also include supervision of graduate students, both teaching assistants and as part of dissertation and thesis committees. The additional area of interest and responsibility in mathematics education could include activities such as research on secondary education issues; research on the transition from secondary to post-secondary; research on issues in university foundational mathematics courses; outreach to K-12 schools, as well as state and national boards; creation and implementation of pathways for students from traditionally excluded groups to the university; or creation of programs to broaden participation in the Mathematical Sciences.

Formal screening of applications will begin **November 21, 2022** and continue until the position is filled. For a more comprehensive description and to apply, visit wsu.edu/jobs, select your appropriate employment status, and search for **R-7647**.

Required Qualifications:

- Completed Ph.D. in Mathematics Education or Ph.D. in Mathematics with a demonstrated record of contributions to Mathematics Education
- Demonstrated record of or potential for research, scholarship, and outreach in mathematics education
- Proven or potential for successful teaching and instruction at the undergraduate and graduate level
- Demonstrated commitment to campus diversity, equity, and inclusion efforts

Preferred Qualifications:

- Teaching, administration, or outreach experience in secondary education

Inquiries should be directed to Prof. Judi McDonald, JMcDonald1@WSU.edu

WSU is an equal opportunity and affirmative action employer. Members of ethnic minorities, women, veterans, persons of disability and/or persons age 40 and over are strongly encouraged to apply.



MATH ALLIANCE MEMBER INSTITUTION



Tenure-Track Assistant Professor in Mathematics Position Announced at Barnard College

The Department of Mathematics at Barnard College invites applications for a tenure-track faculty position at the rank of Assistant or Associate Professor to begin July 1, 2023.

Candidates in all fields of mathematics are encouraged to apply. All candidates should have an outstanding record in research and be committed to excellence in teaching. Duties include research, service, and teaching at the undergraduate and graduate levels.

Applicants must submit a cover letter, teaching and research statements, a curriculum vitae, a list of publications, and the contact information for at least three letters of recommendation (one of which must address teaching). In the letter of application, we ask you to speak to your ability to work effectively with a student population that is broadly diverse with regard to gender and gender expression, race, ethnicity, nationality, sexual orientation, and religion.

To be considered complete, an application must be filed with the required Barnard PeopleAdmin at <https://careers.barnard.edu/postings/6566>.

In order to receive full consideration, applications must be received by December 15, 2022. **Preference will be given to candidates who apply by November 15, 2022.**

Barnard College is an Equal Opportunity Employer and is actively committed to creating a diverse and inclusive community. We especially encourage applications from women, people of color, people with disabilities, LGBTQ people, and individuals from other underrepresented groups.

University Quantitative Support Specialist Position Announced at Bucknell University

Bucknell University is seeking a Quantitative Support Specialist who will report to the Associate Director for Student Learning Support in the Teaching and Learning Center (TLC). They will work closely with the staff of the TLC, departments on campus that offer courses needing quantitative support, an SLS Faculty Fellow for Quantitative Support, and the Associate Provost for Transformative Teaching and Learning. The primary activities of this position are offering individualized assistance with quantitative concepts to students; supporting the work and professional development of peer tutors and study group facilitators in introductory quantitative courses; and leading workshops for students. Learner-centered work with students includes one-on-one and small group tutoring, building and conducting workshops to help students build stronger foundational quantitative skills, and collaborating on the training and supervision of a corps of peer tutors. The person in this position may have the opportunity to teach a quantitatively-focused course periodically. This position will have a flexible start date no later than August 1, 2023.

This position is donor-funded through May, 2027, and is renewable pending additional funding. It is a priority for Bucknell to secure funding to ensure that students receive ongoing support in this area.

Job Duties:

- Provide drop-in and scheduled tutoring to students on quantitative topics and learning strategies; this includes working with students to fill in gaps in the prerequisite knowledge needed for success in their current quantitative courses. May include one or two evenings per week to work alongside peer tutors and model best practices, or conduct tutoring observations and offer growth-oriented feedback
- Support the training and management of student peer educators within the TLC's Tutoring and Study Groups programs for introductory quantitative courses, with a leading role in the support of quantitative staff; provide content training for quantitative-subject-area peer tutors and work with TLC colleagues to provide pedagogical support as well
- Collaboratively design and conduct interventions, resources, and workshops to help students (re-)acquire foundational quantitative skills
- Assist with generating, curating, and updating quantitatively-focused resources, such as software or videos; collaborate within the SLS outreach systems to make these resources available
- Support and contribute to the University's commitment to diversity and inclusion, including through assisting with University initiatives designed to increase the success of students from traditionally underrepresented groups
- Design and implement assessment of effectiveness of quantitatively-focused support programs falling under purview of position, and evaluate and suggest changes to current support models as needed.
- Demonstrate continued engagement with research and best practices in undergraduate quantitatively-focused education and other relevant areas, e.g., inclusive and antiracist pedagogies
- Periodically teach a quantitatively-focused course
- Additional duties as assigned

Minimum Qualifications:

- Master's degree in the mathematical sciences required.
- Following a Master's degree, at least two years of experience teaching undergraduate mathematics or statistics courses and working closely with students. Teaching experience should include multiple courses from among the following: single and multivariable calculus, differential equations, linear algebra, introductory statistics.
- Candidates should possess knowledge of areas of student difficulties and misconceptions in the relevant courses and how to support these students.
- Candidates must demonstrate a commitment to diversity, equity, and inclusion.
- Candidates must demonstrate excellent teaching, tutoring and interpersonal skills; excellent written and oral communication skills; strong organizational skills; flexibility and openness to learning; ability to handle confidential information on a routine basis; and willingness to collaborate in a busy learning environment.

Preferred Qualifications:

Ph.D. in the mathematical sciences. Extensive experience working with students who need additional support to be successful in quantitatively focused courses. Extensive teaching experience at the level of calculus and above. Experience supervising students in support roles.

Work Type: This is a full time, 10 month, benefits eligible position. This position is donor -funded through May, 2027, and is renewable pending additional funding. It is a priority for Bucknell to secure funding to ensure that students receive ongoing support in this area.

To apply, visit <https://apptrkr.com/3435099> Copyright ©2022 [Jobelephant.com](https://www.jobelephant.com) Inc. All rights reserved.
<https://www.jobelephant.com/>

Tenure-track Position in Mathematics Announced at Carnegie Mellon University

The Department of Mathematical Sciences at Carnegie Mellon University invites applications for a tenure-track position at the rank of assistant or associate professor to begin September 1, 2023. The search is focused on candidates with expertise in computational mathematics, numerical analysis, optimization, and related areas. Addressing applied problems and participation in interdisciplinary efforts is also valued.

Qualifications:

Preference will be given to candidates who have demonstrated excellence in research and have a vigorous research program.

The Department of Mathematical Sciences is committed to increasing the diversity of its community on a range of intellectual and cultural dimensions and is part of a College and University that is proactive to include more members of previously under-represented groups. We seek candidates who, through their research, teaching, and/or service will contribute to the diversity and excellence of our academic community.

Application Instructions:

Applicants should submit all materials electronically through [Interfolio](#) and [Mathjobs](#). This includes a cover letter, curriculum vita, list of publications, a statement describing current and planned research, a teaching statement, and a statement describing how, through their research, teaching and/or service, they plan to contribute to and foster diversity and inclusion in mathematics. Candidates should also arrange for at least three letters of recommendation that will be solicited through MathJobs.

The review applications will begin on **November 15, 2022**. However, applications may be accepted and reviewed until the position is filled.

CMU seeks to meet the needs of dual-career couples and is a member of the Higher Education Recruitment Consortium (HERC) that assists with dual-career searches.

Apply on [Mathjobs](#) and [Interfolio](#)

Tenure-track Position in PDE's Announced at Carnegie Mellon University

Description:

The Department of Mathematical Sciences at Carnegie Mellon University invites applications for a tenure track position at the rank of assistant professor or above to begin on September 1, 2023. This search will focus on the area of partial differential equations.

Qualifications:

Preference will be given to candidates who have shown outstanding promise and/or excellent research accomplishments and are pursuing a vigorous research program. Demonstrated abilities in teaching and in mentoring students of diverse backgrounds are a strong plus.

The Department of Mathematical Sciences is committed to increasing the diversity of its community on a range of intellectual and cultural dimensions, and is part of a College and University that is proactive to include more members of previously under-represented groups. We seek candidates who, through their research, teaching, and/or service will contribute to the diversity and excellence of our academic community.

Application Instructions:

Applicants should submit all materials electronically through [Interfolio](#) and [Mathjobs](#). This includes a cover letter, curriculum vita, a list of publications, a statement describing current and planned research, a teaching statement, a diversity statement (describing how candidates, through their research, teaching and/or service plan to contribute to and foster diversity and inclusion in mathematics), and at least three letters of recommendation.

Applications should be **submitted by November 15, 2022** for full consideration but may be accepted and reviewed until the position is filled.

Apply on [Mathjobs](#) and [Interfolio](#)

Assistant Teaching Professor in Mathematics Announced at Carnegie Mellon University

The Department of Mathematical Sciences at Carnegie Mellon University invites applications for an Assistant Teaching Professor to begin September 1, 2023. Candidates with sufficient experience may also be considered for an Associate Teaching Professor appointment.

Carnegie Mellon University has teaching-track faculty with the titles of Assistant Teaching Professor, Associate Teaching Professor, and Teaching Professor. These non-tenure-track faculty positions are considered career positions that are not temporary, but with the expectation of reappointment and promotion. The standard teaching load for teaching-track faculty in Mathematical Sciences is three courses per semester, though this may be reduced in cases of increased service responsibilities.

A Ph.D. in Mathematics or a closely related discipline is required. Demonstrated excellence in classroom teaching is expected. Preference will be given to candidates with sustained demonstrated excellence in teaching, as well as candidates who can guide undergraduate research projects and have the potential to contribute to educational initiatives in the Department and across the University.

The Department of Mathematical Sciences is committed to increasing the diversity of its community on a range of intellectual and cultural dimensions and is part of a College and University that is proactive to include more members of previously under-represented groups. We seek candidates who, through their research, teaching, and/or service will contribute to the diversity and excellence of our academic community.

Applicants should submit all materials electronically through [Mathjobs](#) and [Interfolio](#). This includes a cover letter, curriculum vita, list of publications, a statement describing teaching contributions and philosophy, a statement describing research interests (which may include undergraduate research experiences and potential projects), and a diversity statement. A minimum of three letters of reference are also required, with at least one letter addressing the applicant's teaching ability.

Applications should be submitted by December 15, 2022. Applications may be accepted and reviewed until the position is filled.

Carnegie Mellon University shall abide by the requirements of 41 CFR §§ 60-1.4(a), 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, sex, or national origin. Moreover, these regulations require that covered prime contractors and subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, national origin, protected veteran status or disability.

Apply on [Mathjobs](#) and [Interfolio](#)

Tenure-Track Assistant Professor in Probability, Stat, and Stat Computing Position Announced at Claremont McKenna College

Assistant Professor in Probability, Statistics, and Statistical Computing

Posting ID: 16096

Category: Tenure-track

Department: Mathematical Sciences

Department URL: <http://www.claremontmckenna.edu/math/>

Description:

The Department of Mathematical Sciences at Claremont McKenna College (CMC) invites applications for a tenure-track position, at the assistant professor level, in Probability, Statistics, and Statistical Computing. The position will begin on July 1, 2023. The successful candidate is expected to hold a Ph.D. by the time of the appointment.

The successful applicant will teach courses in probability, statistics, computing and other courses offered by the Department of Mathematical Sciences. The teaching load is two courses per semester. The candidate must have demonstrated ability to maintain an active, high quality research program and the highest standards of excellence in teaching.

Given the College's commitment to cultivating an inclusive educational environment, we seek candidates who can demonstrate a commitment to teaching, mentoring, and inspiring students representing a broad range of socioeconomic backgrounds, political opinion, genders, races, ethnicities, nationalities, sexual orientations, and religions.

Procedures and Timetable:

Applications should include a cover letter, curriculum vitae, research statement, teaching statement, a list of publications, and at least three letters of recommendation. The cover letter, teaching statement, and/or research statement should address the candidate's ability to teach, mentor, and inspire students representing a broad range of backgrounds. The teaching statement should show evidence of teaching effectiveness.

**** NOTE ** Applications must be submitted electronically at [MathJobs.Org](https://www.mathjobs.org) or [AcademicJobsOnline.Org](https://academicjobs.org).**

Complete applications, including three or more letters of recommendation, will be reviewed beginning **November 15, 2022**. Review of complete applications will continue until the position is filled.

Claremont McKenna College is an equal opportunity employer. In a continuing effort to enrich its academic environment and provide equal educational and employment opportunities, the College actively encourages applications from members of historically under-represented groups in higher education.

Claremont McKenna College hires and promotes individuals on the basis of their qualifications, consistent with applicable state and federal laws, without regard to race, color, religion, sex, sexual orientation, gender identity, gender expression, pregnancy, breastfeeding or related medical condition, national origin, ancestry, citizenship, age, marital status, physical disability, mental disability, medical condition, genetic characteristic or information, military and veteran status, or any other characteristic protected by state or federal law. Inquiries may be directed to the Director for Human Resources, 528 N. Mills Avenue, Claremont, California 91711-4015, (909) 621-8490. All applicants must complete and submit an online application to be considered for an open position.

Employment is contingent upon new employee providing documents verifying U.S. citizenship or, for aliens, documents verifying legal permission to work in the United States, applicant's acceptability for positions requiring use of a college vehicle is contingent upon a driving record acceptable to the College's automobile liability insurance. Promotion from within is encouraged whenever qualified employees of Claremont McKenna College are available. Interested employees of the College are urged to contact the Director of Human Resources if qualified for any open position. Please do not contact departments directly.

To apply: <https://apptrkr.com/3506559>

Tenure-Track Faculty Position in Mathematics Announced at the College of the Holy Cross

GENERAL INFORMATION

The Department of Mathematics and Computer Science at the College of the Holy Cross invites applications for a full-time tenure-track appointment to begin in August 2023. We are looking for candidates who use computational tools in their chosen area of research and can bring this experience into their teaching. All research specialties will be considered. Candidates would be expected to teach at all levels of our mathematics curriculum. In addition, we look for applicants who are interested in working with students on undergraduate research projects.

This position carries a 3-2 teaching load with a full-salary one-semester research leave prior to tenure review, and generous sabbatical and fellowship leaves for tenured faculty. Tenure-track faculty are eligible for travel support and reimbursement of relocation costs within the College's published policies. All full-time appointments offer competitive salaries and include full benefits. To learn more about faculty life at the College and in the Worcester area, candidates are encouraged to visit <http://holycross.edu/join>.

QUALIFICATIONS

Candidates must demonstrate a commitment to, and excellence in, undergraduate teaching at the introductory and advanced levels, as well as a record of scholarly achievement. A Ph.D. in mathematics, applied mathematics, or a closely related field is required.

APPLICATION INSTRUCTIONS

Please submit a cover letter addressing the position requirements listed above, as well as a curriculum vitae, statement on research, statement on teaching, statement on diversity, equity and inclusion, undergraduate and graduate transcripts, and three confidential letters of recommendation.

In your cover letter, in addition to describing your research and teaching interests, please address the ways you might contribute to and further the College's mission as a Jesuit, undergraduate liberal arts college (see <http://holycross.edu/mission>) and its core commitment to diversity and inclusion. Previous experience teaching, mentoring, or advising diverse student populations is an asset. For more information, please visit <http://holycross.edu/diversity>.

The College of the Holy Cross uses Interfolio to collect all faculty job applications electronically. Please submit all application materials to <https://apply.interfolio.com/112474>.

Applications received by **November 15, 2022** will receive full consideration. Initial interviews of selected applicants will take place in early to mid-December by Zoom only, in order to adhere to the College's equity practices. Questions about this search may be directed to Eric Ruggieri, Ph.D., Hiring Committee Chair, eruggier@holycross.edu.

COVID-19 VACCINATION POLICY

To mitigate the spread and effects of COVID-19, and as an integral part of its public health and safety measures, College of the Holy Cross requires that all successful applicants show proof of full, up-to-date vaccination (including a booster dose once eligible) by an FDA-approved COVID-19 vaccine before beginning employment, unless an accommodation exempting the applicant from this policy has been granted. Applicants who wish to request an accommodation based on a disability or sincerely-held religious belief should inform Human Resources after an offer of employment is extended; please do not include any medical, genetic, or religious information in your application materials.

EQUAL OPPORTUNITY EMPLOYMENT STATEMENT

The College of the Holy Cross is a highly selective Catholic liberal arts college in the Jesuit tradition. It enrolls about 3,100 students and is located in Worcester, Massachusetts, a medium-sized city 45 miles west of Boston. The College seeks faculty members whose scholarship, teaching, advising, and on- and off-campus service demonstrate commitment to the educational benefits of a richly diverse community.

Holy Cross aspires to meet the needs of dual-career couples, in part through its membership in the Higher Education Consortium of Central Massachusetts and the New England Higher Education Recruitment Consortium (<http://www.newenglandherc.org>). The College is an Equal Employment Opportunity Employer and complies with all Federal and Massachusetts laws concerning equal opportunity and affirmative action in the workplace.

Tenure-Track Assistant Professor in Statistics and Data Science Position 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 expertise in statistics and 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 first and 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 knowledge of statistics and data science. Expertise in one or more areas of statistics and data science, including but not limited to causal inference, functional data analysis, predictive inference, and statistical computing. The ability to teach statistics and data science courses at the undergraduate and graduate levels. The ability to develop and sustain a high-impact research program with the potential to secure external research funding. The ability to collaborate effectively with researchers in other disciplines.

College Information:

Liberal Arts and Sciences is the largest college at Iowa State University, with about 7,000 students, 22 departments, one professional school, and numerous cross-disciplinary programs. Its internationally renowned research programs in science, social science, and the humanities form the intellectual core of the university, while its broad curricular offerings and emphasis on student-centered learning engage every student on campus.

Iowa State University is classified as a Carnegie Foundation Doctoral/Research University-Extensive 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 knows 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.

Iowa State strives to be the university that cultivates a diverse, equitable, and inclusive environment where students, faculty, and staff flourish. To that end, we welcome candidates from diverse and underrepresented backgrounds to apply.

Department Unit/Website: Department of Statistics <https://www.stat.iastate.edu/>

Multiple Tenure-Track Faculty Positions in Mathematics Announced at Montana State University

The Department of Mathematical Sciences at Montana State University invites applications for multiple tenure-track faculty members to join our department, to begin August 2023.

We invite applications for scholars from any sub-field of mathematics or statistics, applied or theoretical, or mathematics or statistics education who focuses on the wellness of underserved communities, as part of the College of Letters and Science Cohort Hiring Initiative (<https://www.montana.edu/lettersandscience/cohortire/>).

We also invite applications from scholars with research interests in computational and applied mathematics, including the mathematics of machine learning and data science.

Full position descriptions are at

<https://jobs.montana.edu/postings/32831> and <https://jobs.montana.edu/postings/32779>

Tenure-Track Assistant Teaching Professor in Mathematics Positions Announced at University of California, Merced

Next review date: **Thursday, Dec 1, 2022 at 11:59pm (Pacific Time)**. Apply by this date to ensure full consideration by the committee. Final date: Monday, May 1, 2023 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.

The Department of Applied Mathematics at the University of California, Merced invites applications for two new tenure-track Assistant Teaching Professors starting July 1, 2023. The department is interdisciplinary, highly inclusive, and is proud of the gender parity within its faculty. An emphasis is placed on excellence in teaching and education. An Assistant Teaching Professor is a tenure-track faculty position with emphasis on undergraduate education. Candidates in all areas of Mathematics, Applied Mathematics, Statistics, Mathematics Education, and related fields are encouraged to apply. In particular, we seek outstanding scholars who will establish, modernize, and maintain teaching programs in Applied Mathematics.

Qualifications: Qualified candidates are expected to have a Ph.D. in Mathematics, Applied Mathematics, Statistics, Mathematics Education, or a related field, and have had at least one year of teaching experience at the college or university level.

As a condition of employment, you will be required to comply with the University of California SARS-CoV-2 (COVID-19) [Vaccination Program Policy](#). All Covered Individuals under the policy must provide proof of Full Vaccination or, if applicable, submit a request for Exception (based on Medical Exemption, Disability, and/or Religious Objection) or Deferral (based on pregnancy) no later than the applicable deadline. For new University of California employees, the applicable deadline is 14 days after their first date of employment. For additional information, please contact [Lei, Yue](#)

Basic qualifications

To be considered, candidates must have a Ph.D. in Mathematics, Applied Mathematics, Statistics, Mathematics Education, or a related field by the position start date and a strong record of effective teaching at the college or university level.

Preferred qualifications

We seek outstanding scholars with

- a strong record of mentorship and collaboration with others;
- demonstrated interest in developing innovative teaching programs;
- record of promoting diversity, equity and inclusion;
- interest and experience with inquiry-based pedagogy and assessment of student learning outcomes;
- interest in the training of graduate teaching assistants and undergraduate learning assistants; and
- interest in the development of innovative programs and and/or research in mathematics education

Document requirements

- Curriculum Vitae – Your most recently updated C.V.
- Cover Letter – Please state area of interest.
- Statement of Research and or Professional Activities – Your statement of research and/or professional activities can discuss research in your field, on education, or any other activities and perspectives consistent with the expected responsibilities and qualifications
- Statement of Teaching
- Statement on Contributions to Equity, Diversity, and Inclusion – Statement on your contributions to equity, diversity, and inclusion, including information about your understanding of these topics, your record of activities to date, and your specific plans and goals for advancing equity and inclusion. Please review the UC Merced Diversity Statement Guidelines and UC's Commitment to Diversity

Reference requirements

- 3 letters of reference required

Applicants for the Assistant Professor level should arrange to have three letters of reference submitted online. After an application is submitted, the letters of reference should be electronically uploaded by the letter writers (instructions will be provided by the application system). Letters of reference should be received no later than December 31, 2022.

Apply link: <https://apptrkr.com/3480195> **Help contact:** snspersonnel@ucmerced.edu

The University of California is an Equal Employment Opportunity/Affirmative Action employer and invites applications from all qualified applicants, including women, minorities, veterans, and individual with disabilities, who will enrich the teaching, research and public service missions of the university. All qualified applicants will be considered for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age or protected veteran status. For the complete University of California [nondiscrimination and affirmative action policy](#). The [Merced 2020 Project](#) doubled the physical capacity of the campus, and enhanced academic distinction, student success, and research excellence. UC Merced is a [smoke & tobacco free campus](#).

Tenure-Track Assistant Professor in Scientific or High-Performance Computing Position Announced at Univ. of California, Merced

Position title: Assistant Professor Salary range: Salary is commensurate with education, experience, and UC academic salary scales.

Percent time: 100 **Anticipated start:** July 1, 2023 **Position duration:** This is a tenure track position.

Open date: September 15, 2022 **Next review date:** Tuesday, Nov 1, 2022 at 11:59pm (Pacific Time). Apply by this date to ensure full consideration by the committee.

Final date: Monday, Jan 2, 2023 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 Department of Applied Mathematics invites applications for one tenure track Assistant Professor in the area of scientific or high-performance computing starting July 1, 2023.

We are seeking exceptionally qualified candidates with expertise in scientific computing, high-performance computing or other related areas in computational and applied mathematics. Special attention will be paid to applicants who participate in interdisciplinary research, and who will contribute to developing the applied mathematics curriculum and to one or more of the campus research initiatives in the natural sciences, engineering, and/or social sciences and who have demonstrated excellence in research, teaching, and strong interpersonal communication skills. Postdoctoral research and teaching experience are preferred.

Basic qualifications

A Ph.D. in Applied Mathematics or a related scientific field is required by the position start date; a strong record of publication; and, demonstrable interest in obtaining external funding.

Preferred qualifications

We seek outstanding scholars who will establish and maintain creative research programs, be involved in the development of the applied mathematics curriculum, teach effectively at both the undergraduate and graduate levels, participate actively in the development of innovative interdisciplinary programs and research.

As a condition of employment, you will be required to comply with the University of California SARS-CoV-2 ([COVID-19 Vaccination Program Policy](#)). All Covered Individuals under the policy must provide proof of Full Vaccination or, if applicable, submit a request for Exception (based on Medical Exemption, Disability, and/or Religious Objection) or Deferral (based on pregnancy) no later than the applicable deadline. For new University of California employees, the applicable deadline is 14 days after their first date of employment.

For additional information, please contact Suzanne Sindi at Math.Chair@ucmerced.edu.

Document requirements

- Curriculum Vitae – Your most recently updated C.V. • Cover Letter
- Statement of Research
- Statement of Teaching
- Statement on Contributions to Equity, Diversity, and Inclusion – Statement on your contributions to equity, diversity, and inclusion, including information about your understanding of these topics, your record of activities to date, and your specific plans and goals for advancing equity and inclusion. Please review the UC Merced Diversity Statement Guidelines and UC's Commitment to Diversity

Reference requirements

4 letters of reference required- Applicants for the Assistant Professor level should arrange to have four letters of reference submitted online one of which addresses teaching potential. After an application is submitted, the letters of reference should be electronically uploaded by the letter writers (instructions will be provided by the application system). Letters of reference should be received no later than November 1, 2022.

Apply link: <https://apptrkr.com/3480422> **Help contact:** snspersonnel@ucmerced.edu

Campus Information

The University of California is an Equal Employment Opportunity/Affirmative Action employer and invites applications from all qualified applicants, including women, minorities, veterans, and individual with disabilities, who will enrich the teaching, research and public service missions of the university. All qualified applicants will be considered for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy, see: [UC Nondiscrimination & Affirmative Action Policy](#).

The University of California, Merced, is the newest of the University of California system's 10 campuses. With over 9,000 undergraduate and graduate students (<https://www.ucmerced.edu/fast-facts>), UC Merced provides outstanding educational opportunities to highly qualified students from the heart of California, the nation, and abroad. The campus has special connections to nearby Yosemite National Park; is on the cutting edge of sustainability in construction and design; and supports the economic development of Central California. The University of California, Merced, is the newest of the University of California system's 10 campuses. The [Merced 2020 Project](#) doubled the physical capacity of the campus, and enhanced academic distinction, student success, and research excellence. UC Merced is a smoke & tobacco free campus (<https://smokefree.ucmerced.edu/>).

To apply, please visit: <https://apptrkr.com/3480422> Copyright ©2022 Jobelephant.com Inc. All rights reserved.

Open Rank Faculty Position in Math and Stat at University of Missouri – Kansas City

The Division of Computing, Analytics, and Mathematics (CAM) is seeking applicants for a full-time (benefit eligible) ranked non-tenure track faculty (assistant or associate teaching professor) position in Mathematics or Statistics. This position is responsible for teaching four courses per semester. The successful candidate will also be expected to participate in service activities. CAM is one of the four divisions in the new School of Science and Engineering (SSE) established through UMKC Forward, a university initiative to create multidisciplinary learning, academics, research, and outreach. CAM offers undergraduate degrees in Computer Science (ABET-accredited), Information Technology (ABET-accredited), and Mathematics, MS degrees in Computer Science, Data Science, Mathematics, and Statistics, and Ph.D. degrees in Computer Networking and Communication Systems, Computer Science, and Mathematics/Statistics. These programs foster an open, collaborative research and education environment. More information about SSE and the CAM division can be found at <https://sse.umkc.edu>. The successful candidate will be expected to 1) have a strong commitment to quality undergraduate / graduate education; 2) teach courses in the undergraduate / graduate programs; 3) maintain an outstanding record of education and professional leadership; 4) engage in department, school, and/or university service activities appropriate to the position and 5) advance the goals and strategic plan of SSE and UMKC.

The division is an integral and prominent component of STEM education at UMKC and therefore is well-positioned to attract majors from historically underserved populations, implement best practices for teaching and inclusive student engagement, and ensure positive career outcomes for all students. The division aspires to create and maintain an equity-minded environment for a diverse academic community of faculty, staff, and students. We seek individuals who will contribute to that environment, embrace diversity, and support a broader STEM community.

Minimum Qualifications: A Ph.D. degree in Mathematics or Statistics

Preferred Qualifications: Preference will be given to candidates with teaching experience.

Full Time/Part Time: Full time [100% FTE], benefit-eligible, 9-month ranked academic appointment with opportunity for ranked promotion. Position is for Fall 2023.

Salary: Salary is negotiable and commensurate with credentials and experience.

Application Deadline: Review of applications begins upon receipt. This position will remain open until filled.

Application Instructions: To be considered, you must complete the UMKC online application. Use Chrome browser and go to <https://info.umkc.edu/hr/careers/academic-positions/>. Click on View Jobs. Then search for 43611 (the position number), then click on the position for the full job description. At the top right will be an Apply for Job link, click on it (you will be asked to register if you are a new user). The application contains two (2) sections: 1. Name and Contact Information 2. Combine all application materials (a letter of interest and teaching philosophy, curriculum vitae, current contact information for a list of at least five current references) into one PDF or Microsoft Word document and upload as a resume attachment. Limit document name to 50 characters. Maximum size limit is 11MB. Do not include special characters (e.g., /, &, %, etc.). If you need technical assistance, please call (800) 488-5288. Finalists will be asked to provide their transcripts which reflect the required degree for determination of position title. Appointment will be contingent upon verification of your degrees through official transcripts.

Equal Employment Opportunity: Equal Opportunity is and shall be provided for all employees and applicants for employment on the basis of their demonstrated ability and competence without unlawful discrimination on the basis of their race, color, national origin, ancestry, religion, sex, pregnancy, sexual orientation, gender identity, gender expression, age, disability, protected veteran status, or any other status protected by applicable state or federal law. This policy shall not be interpreted in such a manner as to violate the legal rights of religious organizations or the recruiting rights of military organizations associated with the Armed Forces or the Department of Homeland Security of the United States of America. For more information, call the Vice Chancellor – Human Resources at 816-235-1621. Reasonable accommodations may be made to enable individuals with disabilities to perform the duties and functions of this job. If you believe you may have difficulty performing any of the duties or functions of this job, please contact the Office of Affirmative Action at (816) 235-1323.

EEO IS THE LAW

To read more about Equal Employment Opportunity (EEO) please use the following links:

EEO is the Law [English Version](#) EEO is the Law [Spanish Version](#) EEO is the Law [Chinese Version](#)

UMKC Statement on Diversity

Diversity, equity and inclusion are central to the UMKC mission as an urban-serving institution. Kansas City is a particularly diverse city, including African, African American, Asian, German, Irish, Italian, Latino, Mediterranean, Middle Eastern, Native American and Slavic communities. Please visit these pages to learn more about UMKC's engagement in diversity, equity and inclusion.

[Roos Advocate for Community Change](#) [The Division of Diversity and Inclusion](#) [Annual Report](#) [Multicultural Student Affairs](#)

Benefit Eligibility

We offer full benefits that start day one, generous paid time off, paid winter break, and continuing education benefits. Visit our [Total Rewards](#) page to learn more.

Two Post-Doctoral Associate Positions in Mathematics Announced at University of Pittsburgh

The Department of Mathematics at the University of Pittsburgh (main campus) invites applications for two three-year postdoctoral associates, one in Applied Analysis and one in Mathematical Biology, to begin in the Fall Term 2023, pending budgetary approval. Responsibilities include collaborating on research with Pitt faculty members, teaching two courses in year 1 and three courses in each of years 2 and 3, 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:

Review of completed applications will begin on November 28, 2022 and will continue until the positions are filled. Applicants should apply online at: <https://www.join.pitt.edu/> (select Postdoctoral Associate Positions, keyword “Mathematics”, to find separate links for these two positions).

Please have your letters of recommendation sent directly to math@pitt.edu.

Any questions about the application process can be directed to Jason Irwin at jai48@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.

Tenure-Track Assistant Professor in Mathematics Position Announced at 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 the Mathematics of Deep Learning to begin in the fall term of 2023, pending budgetary approval. We seek outstanding candidates with expertise in mathematics and data science. 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, offering opportunities through the Pittsburgh Supercomputer Center, and supporting collaborations across departments and nearby Carnegie Mellon University. The University is among the top recipients of federal research 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 14, 2022 and will continue until the position is filled.**

All applicants must complete an application at: https://cfopitt.taleo.net/careersection/pitt_faculty_external/jobdetail.ftl?job=22008108&tz=GMT-04%3A00&tzname=America%2FNew_York

Candidates should submit:

- (a) a cover letter,
- (b) a CV,
- (c) a statement of research accomplishments and future plans, and
- (d) a brief description of teaching experience and interests.

Applicants should also have (e) at least three letters of reference emailed to math@pitt.edu by **November 13, 2022.**

Any questions about the application process can be directed to Jason Irwin at jai48@pitt.edu.

The Dietrich School of Arts and Sciences is committed to fostering a diverse, inclusive environment. 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.

Assistant Teaching Professor in Mathematics Position Announced at Villanova University

The Department of Mathematics and Statistics at Villanova University welcomes applications for a continuing non-tenure-track position in Mathematics that begins in August 2023, at the rank of Assistant Teaching Professor. The teaching load for the position is 12 credit hours per semester. In addition to teaching courses such as Calculus, Differential Equations, and Linear Algebra, there are opportunities to teach upper-level courses for majors and minors in Mathematics. Our department currently has 41 full-time faculty members and is known for its collegiality. Our faculty are engaged and supportive and strive to foster academic excellence. The Department provides a caring and inclusive community in which students of all backgrounds can learn and succeed. In addition to teaching, our new colleague should expect to advise undergraduate majors and to contribute to the life of the department and the larger Villanova community through service. Examples of service opportunities include involvement in department committees, advising the Math Club or our AWM chapter, coordinating courses, and helping to organize department activities such as Pi Day, the Student Research Symposium, guest speakers, and various social events.

Villanova has recently strengthened its commitment to continuing non-tenure-track faculty members by making Assistant Teaching Professors eligible for promotion to Associate and Full Teaching Professor. For more information about the department, please visit us at <https://www1.villanova.edu/villanova/artsci/mathematics.html>.

Villanova is a Catholic university sponsored by the Augustinian order. Diversity and inclusion have been and will continue to be an integral component of Villanova University's mission as well as the mission of the Department of Mathematics and Statistics. The University is an Equal Opportunity/Affirmative Action employer and seeks candidates who understand, respect, and can contribute to the University's mission and values. Candidates from groups that are underrepresented in Mathematics and Statistics are especially encouraged to apply.

Duties and Responsibilities:

Teach 12 credit hours (three or four courses) per semester.

Advise undergraduate Mathematics majors.

Contribute to the department and university through service and participate in the life of the department.

Minimum Qualifications:

PhD in Mathematics or a closely related field required. A strong commitment to excellence in teaching.

Preferred Qualifications:

College-level teaching experience is preferred.

Special Message to Applicants:

Applicants must apply online at <https://jobs.villanova.edu/>. All applications are to include:

- Cover letter.
- Curriculum vitae. Copies of academic transcripts (undergraduate and graduate).
- Statement of Teaching Philosophy. Reflect on your teaching experience, as applicable.
- Summary of student teaching evaluations (if applicable).
- At least three letters of recommendation. An email will be sent to each of your references with a secure web link asking that they submit confidential letters of recommendation when the application is submitted.
- For finalists, an official graduate transcript will be required.

Review of applications begins upon receipt and continues until the position is filled.

We invite you to apply by December 20, 2022, for full consideration.

Open Rank Faculty Position in Mathematics (PDE's) Announced at Virginia Tech University

Virginia Tech Department of Mathematics Faculty Position in Differential Equations The Virginia Tech Department of Mathematics anticipates a tenure-track opening in the area of Differential Equations with a start date of August 10, 2023, at our Blacksburg, VA, campus.

The successful candidate will have a strong background in the theory or applications of deterministic or stochastic ordinary or partial differential equations, including, but not limited to, regularity theory, well-posedness analysis, stability analysis, controllability analysis, dynamical properties of differential equations, parameter estimation, uncertainty quantification, mathematical modeling using deterministic or stochastic ordinary or partial differential equations, or applications of deterministic or stochastic ordinary or partial differential equations to fluid mechanics or dynamics, differential geometry, optimal control, calculus of variations, or the physical or life sciences. 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 required teaching statement and the optional diversity statement that are part of our application process give candidates opportunities to bring to our attention their qualifications for and interest in contributing to efforts to diversify our discipline. Strong statements will demonstrate informed awareness of the rewards and challenges arising from efforts to provide equitable opportunities for all. Specific examples of experiences, activities, and plans will help us identify candidates who can support and extend our department's commitment to inclusive excellence.

If a diversity statement will help us understand your potential to contribute, please submit a diversity statement. Especially if you choose not to submit a diversity statement, please include in your teaching statement a discussion of your philosophy of and experiences with mentoring and talent development, particularly as those activities pertain to the inclusion of people from groups traditionally underrepresented in math. An online application is required.

To apply, please visit www.jobs.vt.edu, select "Apply Now," and search by posting number 521835. Please include a cover letter, a CV, a research statement, a teaching statement, and, if desired, a diversity statement as part of the online application. Each applicant should follow the instructions in the online application system to request that four professional references submit letters of recommendation or letters can be emailed to de_search22@math.vt.edu. Your references will receive a direct communication that requests the reference letters once your completed application has been received.

Additional information about position requirements and responsibilities can be found at the following URLs. <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. Questions about the search may be addressed to de_search22@math.vt.edu.

Applications received by October 31, 2022, 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 Mr. Kevin Kish (kevink96@vt.edu, 540-231-6536) or call TTY 1-800-828-1120 by October 31, 2022.

Professor and Chair of Mathematics Position Announced at Virginia Tech

The Department of Mathematics at Virginia Tech (<https://math.vt.edu>) invites applications from visionary, creative, and energetic leaders for the position of Department Chair. This is a calendar year position at the rank of tenured Full Professor. We combine an international reputation for excellence in research with a substantial teaching and outreach mission. The Department currently includes 39 tenured/tenure-track faculty members, 3 collegiate faculty members, 50 instructors, 9 visiting assistant professors, 7 postdoctoral fellows, 13 support staff, as well as more than 65 graduate students and 300 undergraduate majors. We provide instruction to more than 12,000 students at Virginia Tech every year.

The successful applicant will advocate for the research, teaching, and service missions of the department at the local, national, and international level, and will focus on achieving strategic goals within the department, college, and university. They will maintain the health of the department and foster its robust growth, provide mentorship and professional guidance for existing faculty, and promote diversity and inclusion. Potential candidates must have a Ph.D. in mathematics or a closely related field, demonstrated administrative and programmatic leadership experience, demonstrated commitment to effective teaching, demonstrated commitment to developing a culturally diverse educational environment, a broad understanding of the mathematical sciences and interdisciplinary research, and exceptional professional achievements as evidenced by outstanding publications and a strong extramural funding history. We seek a leader with vision, an open and inclusive management style, and the ability to communicate effectively across disciplines and at all levels within the university. The position is based in Blacksburg but requires occasional travel.

Questions regarding the position may be directed to the chair of the Search Committee, at math_chair_search-g@vt.edu. Required qualifications: Potential candidates must have a Ph.D. in mathematics or a closely related field. The position requires occasional travel to attend professional conferences and meetings.

Candidates should apply at <http://jobs.vt.edu/> (Job 522114). The application package must include: (i) a curriculum vitae with publication list, (ii) a statement of interest that addresses how the applicant meets the required qualifications, including academic achievements, administrative experience, leadership style, and commitment to diversity and inclusion as evidenced by any previous activities or future plans aimed at expanding diversity and/or mentoring of underrepresented groups, and how the applicant will further Virginia Tech's commitment to build a culturally diverse educational environment (<http://www.inclusive.vt.edu/>), and (iii) contact information for three professional references. References will not be contacted until after the initial review and only with the permission of the applicant.

After an initial review, applicants may be asked for additional materials. **Review of applications will begin on November 15, 2022**, and will continue until the position is filled. To ensure full consideration, complete application packages should be **received by November 15, 2022**. As part of the hiring process, the successful applicant will be required to have a criminal conviction check. The expected position starting date is August 10, 2023.

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 Mr. Kevin Kish (kevink96@vt.edu, 540-231-6536) or call TTY 1-800-828-1120 prior to the application deadline.

Two Tenure-Track Positions in Mathematics (Data & HPC) Announced at Virginia Tech University

The Virginia Tech Department of Mathematics anticipates two tenure-track openings in Mathematics of Data and High Performance Computational Mathematics with a start date of August 10, 2023, at our Blacksburg, VA, campus.

The successful candidate will have a strong background in mathematics of data, high performance computing, or their intersection. Possible specialties include, but are not limited to, algorithms for large-scale data, reduced-order data-driven modeling, model order reduction, numerical linear algebra, randomized numerical linear algebra, tensor computations, inverse problems, numerical PDE modeling, PDE solvers, machine learning, optimization, or uncertainty quantification. Application areas of interest include, but are not limited to, geosciences, neuroscience, physics, biology, chemistry, 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 recently established 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 an active research program (or for new Ph.D.'s, strong promise for developing an active research program) in mathematics of data, high performance computing, or their intersection.

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. The Mathematics Department is committed to building an inclusive community of mathematical scientists through programs and activities that are woven into the department's research, teaching, and outreach efforts. Our commitment is illustrated by programs such as our: Broadening Engagement and Participation in Undergraduate Research; Mathematics: Opportunities in Research and Education; and professional development activities organized by the Virginia Tech Chapter of the Association for Women in Mathematics, winner of the 2021 AWM Student Chapter Award for Scientific Excellence. Through undergraduates' supervised tutoring of local public school students and through the department's participation in the Commonwealth Cyber Initiative, the Mathematics Department introduces secondary school and community college students to opportunities in the mathematical sciences.

The diversity statement required in our application process gives candidates opportunities to bring to our attention their qualifications for and interest in contributing to efforts to diversify our discipline. Strong statements will demonstrate informed awareness of the rewards and challenges arising from efforts to provide equitable opportunities for all. Specific examples of experiences, activities, and plans will help us identify candidates who can support and extend our department's commitment to inclusive excellence.

An online application is required. To apply, please visit www.jobs.vt.edu, select "Apply Now," and search by posting number 521837. Please include a cover letter, a CV, a research statement, a teaching statement, and a diversity statement as part of the online application.

Additionally, each applicant should follow the instructions in the online application system to request that four professional references submit letters of recommendation directly to the Department of Mathematics or letters can be emailed to compmath22@math.vt.edu. Your references will receive a communication that requests the submittal of the reference letter directly to the department once your completed application has been received.

Additional information about position requirements and responsibilities can be found at the following websites: <http://www.hr.vt.edu> and <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.

Questions about the search may be addressed to compmath22@math.vt.edu.

Two Tenure-Track Open Rank Faculty Positions in Data Science Announced at West Virginia University

The School of Mathematical and Data Sciences at West Virginia University invites applications for two Assistant or Associate Professor positions in Data Science starting August 2023. These are 9-month, full-time, tenure-track/tenured positions with full benefits. We especially welcome scholars whose research areas include big data computing, data management and acquisition, natural language processing and image processing.

The successful applicants must have 1) a PhD or equivalent degree in Data Science, Computer Science, Statistics, or a closely related field by the time of appointment; 2) demonstrated ability to develop a vigorous and externally funded research program; 3) strong potential for outstanding contribution to the School's undergraduate teaching and research missions; 4) active in interdisciplinary collaborations.

Data Sciences is one of the four academic units housed in the School and is in an expansion phase with a plan for ongoing hiring over the next few years as the undergraduate program grows. These hires will help to define the future research and academic programs within this new degree. The other three units in the School are Mathematics, The Institute of Math Learning, and Statistics. There is considerable interest from faculty and students in the Eberly College of Arts and Sciences, the Chambers College of Business and Economics, the College of Health Sciences, and the Statler College of Engineering and Mineral Resources in collaborative research with faculty and students in Data Sciences. The teaching load is 2 courses or course equivalents per semester. The successful candidates will be expected to teach classes that complement the Department's current offerings in the undergraduate major and minor programs.

WVU is a R1 research land grant university located within 90 minutes of Pittsburgh and 3.5 hours from the Washington/Baltimore area. Morgantown has been recognized as one of the most livable small cities in the U.S. There are extensive recreational opportunities, excellent public schools, and a supportive University environment in which to develop a visible and productive career. The WVU Dual Career Program is available to assist candidates with suitable employment opportunities for spouses or partners.

Qualifications

To apply, please visit [WVU Careers](#). Upload 1) a CV, 2) a 3-page maximum application letter that also addresses teaching and research, 3) a list of names of 3 references with complete contact information. Please upload the 3 documents separately in the application system. Those candidates invited for on campus interviews may be asked for further materials at a later date.

The screening process will begin November 14, 2022, and continue until the positions are filled. For more information, please visit our website or contact the chair of the search committee, Dr. Snehalata Huzurbazar (snehalata.huzurbazar@mail.wvu.edu).

At West Virginia University, we leverage our talents and resources to create a better future for our state and the world. As West Virginia's land-grant university, WVU has three campuses that touch each corner of the state. The WVU System includes 518 buildings on 15,880 acres, Extension Service offices in all 55 counties, ten experimental farms and four forests.

From the groundbreaking R1 research of our flagship campus in Morgantown to the career-oriented programs of WVU Potomac State in Keyser to the technology-intensive programs at WVU Tech in Beckley — the contributions of WVU employees directly impact the 1.8 million people of West Virginia every day, no matter their role or position.

Service, curiosity, respect, accountability, and appreciation are the core values that unite Mountaineers, inspiring one another to work tirelessly and support others as they seek to reach new heights. After all, when you're a Mountaineer, impossible is just another mountain to climb.

Creating an inclusive, engaged, and dynamic learning environment is core to WVU's academic mission. We welcome candidates who can contribute a range of ideas, approaches and experiences.

To learn more about West Virginia University, visit go.wvu.edu. View current career opportunities at careers.wvu.edu.

West Virginia University is proud to be an Equal Opportunity employer and is the recipient of an NSF ADVANCE award for gender equity. The University values diversity among its faculty, staff, and students, and invites applications from all qualified applicants regardless of race, ethnicity, color, religion, gender identity, sexual orientation, age, nationality, genetics, disability, or Veteran status.

Tenure-Track Assistant Professor of Statistics Position Announced at Whitman College

The Department of Mathematics and Statistics seeks applicants for a Tenure-track position beginning August 2023, with expertise in Statistics, at the rank of assistant professor. Applicants must have a Ph.D. by the start of the position.

The successful candidate will offer courses across the undergraduate statistics curriculum (e.g. Introductory Statistics, Statistical Modeling, Probability Theory) as well as courses that contribute to the College's general education requirements. The standard annual teaching load is five courses. The department offers majors in mathematics, a newly developed mathematics-statistics combined major, as well as combined majors in mathematics-economics and mathematics-physics. We have also launched an interdisciplinary minor in Data Science. The new hire will have flexibility in designing courses within our curriculum as well as their own specialty courses. The department welcomes ideas for developing interdisciplinary courses (e.g. Statistics and Justice, Sports and Statistics, Statistics and the Life Sciences). We also require a semester-long project for all of our majors and place a high premium on student-faculty research. The College provides a generous pre-tenure sabbatical leave program and professional development support for both research and teaching.

Whitman College is committed to cultivating an inclusive learning community. Applicants should be able to demonstrate their commitment to diversity, equity, and inclusion and articulate how their classroom and scholarly practices work to advance antiracism in the learning environment. This statement can be included in the cover letter or the teaching statement. In their cover letter, candidates should address their interest in working at a small college with undergraduates, majors as well as non-majors, at all levels of instruction.

Located in the historic community of Walla Walla, Whitman's beautiful tree-lined campus is home to an intellectually diverse, dynamic, and supportive community of some 500 staff and faculty serving roughly 1,500 students from the local region and across the globe. With exceptional students, accomplished faculty and staff, along with a fiercely loyal and growing number of engaged alumni, Whitman College continues to build on its national reputation for academic excellence as one of the top liberal arts colleges in the country. Our college has a strong commitment to engaging our local community, including a collaborative relationship with the Confederated Tribes of the Umatilla Indian Reservation. More information on our mission statement can be found at <https://www.whitman.edu/about/mission-constitution-and-bylaws>.

To apply, go to <https://apptrkr.com/3509570>. BambooHR will prompt you to submit all of the required materials: a letter of application; separate statements addressing the candidate's teaching interests and scholarly agenda; curriculum vitae; contact information for three references; graduate transcripts; and evidence of demonstrated or potential excellence in undergraduate instruction.

Review of applications will begin on November 22, 2022.

Whitman College is cultivating a community built on inclusion and belonging. We recognize the value of those who can offer historically underrepresented perspectives and encourage applications from those whose background, knowledge, and insights from lived experience can add to the college's working and learning environment. Whitman College is an EEO employer.

For additional information about Whitman College and the Walla Walla area, see <http://www.whitman.edu/> and <http://www.wallawalla.org/>.

For full application instructions and position description, visit <https://apptrkr.com/3509570>

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