

THE MATH ALLIANCE



DR. DAVID GOLDBERG

Director

Well, we have made it to November, and we are on the verge of an eventful week. Of course, the election is coming up next Tuesday, so if you haven't voted already, please get out and vote. Make your voice heard, whatever it is you want to have said. I live in a state where the national politics are very clearly decided, and some here have asked what the point of voting is if their vote "isn't going to count." My main response is that if you don't vote, then your vote definitely doesn't get counted. We call Tuesday Election Day, but it is more accurately the day the election ends, since folks have been voting for quite a while, and the election has been going on almost since the moment the last election was called. I am sure most of us will be going to whatever our favorite sources of information and data are, continually reloading in hopes of getting a clearer picture of the outcome. Even though we know, by that point, it is going to unfold in its own way, and we have done the one little thing we can do to have an effect. It seems likely, however, that we will not know anything for certain for a few days after next Tuesday.

This brings us to the Field of Dreams Conference, which, for the second cycle in a row, is convening on the Friday following a presidential Election Day. In 2020 we were doing something we had only a little sense of how to do, hold a national meeting for 500+ people through an online platform.

Remember...

Field of Dreams Conference

November 8-10, Atlanta

We were lucky to be working with our partners at the Institute for Mathematics and its Applications (IMA) at the University of Minnesota, who knew some things and more importantly knew who to bring in who did know how to produce such an event. We found a way to create an online event having some of the flavor of the in-person event, and even allowed us to have some features that we hadn't had with the in-person conferences. That Saturday, in the middle of the conference, the networks called the election for Joe Biden. I am thinking today of all the ways our world has changed and continues to change since then. While the pandemic is in the past, some of its impacts on our society, and on our individual lives, are still being felt, and I think fully understanding the effects will take a while longer.

So, we are ready to gather in Atlanta, for the 2024 Field of Dreams Conference. I am looking forward to certain sessions, which always bring inspiration, and others which also can be counted on for surprise, or at least learning something new. I am looking forward to meeting many of the attending Scholars, and to helping my own mentees navigate the conference, especially the Graduate Fair. I know this conference has changed the trajectory of many students' lives, because they tell us it has, and I anticipate seeing the impact on the lives and careers of this year's attendees as we follow them into the future. For those who are on your way to the conference, I am eager to see you, to catch up (or meet for the first time) and to build our community stronger than ever. For those who are unable to make it this year, I hope you can be there next year. The Field of Dreams Conference always leaves me more optimistic about our future, no matter what else is happening in the world. Right now, I am guessing I am not alone in craving that feeling.

THE MATH ALLIANCES' ANNUAL 2024 FIELD OF DREAMS CONFERENCE

NOVEMBER 8-10,
2024

Hosted By: Georgia State University

ATLANTA, GA

WEEKEND HIGHLIGHTS

FRIDAY 11/8

- The Kathryn Chaloner Memorial Lecture in the Statistical Sciences and their Applications
- Panel Discussions
- REU Fair

SATURDAY 11/9

- Math Science Talk
- Panel Discussions
- Graduate Fair with 70+ graduate programs
- Keynote Speaker and Banquet

FEATURED SPEAKERS

Math Science Lecture



NAIOMI CAMERON
Chair and Professor of
Mathematics,
at Spelman College

Kathryn Chaloner Memorial Lecture



BÁRBARA GONZÁLEZ
Vice Provost for Faculty
Affairs at
Northern Illinois University

KEYNOTE SPEAKER



ARIS WINGER

Associate Professor, Georgia Gwinnett College
Executive Director, National Association of Mathematicians

Partners and Sponsors:



[Registration Website](#) / [Conference Hotel](#) / [Conference Website](#)

What's Happening Next?

- **2024 NDiSTEM** Phoenix, AZ Oct. 31- Nov. 2, 2024
- **2024 Field of Dreams Conference (FOD 2024)** Atlanta, GA
November 8-10, 2024
- **JMM 2025** Seattle, WA January 8-11, 2025

Bridge to Doctorate Program in Statistics and Data Science

Applications for the Master of Arts in Statistics and Data Science, Bridge to a Doctorate Program will open on January 21, 2025. This two-year research master's (AM) degree program provides advanced coursework, research experience, and mentorship to students who need additional preparation for admission to a doctoral program.

Bridge Fellows will receive financial support (full tuition, health benefits, and a stipend) and will work with faculty on individualized curricula built around their interests and goals.

Because of the mentorship and individualized curricula for Bridge Fellows, the cohort is small. Applicants must demonstrate a strong interest in research and a desire to earn a PhD. Therefore, faculty recommendations are a critical part of the evaluation of applicants.

I will host an informational webinar for interested students with Dr. Nancy Zhang, the Bridge Program Co-director on November 8, 2024. Registration for the webinar is required. Students should check the website for registration information for the Zoom here: <https://statistics.wharton.upenn.edu/programs/bridge/>. Full details on the program and application process are also available on the website.

Your help in identifying applicants and encouraging them to apply is very much appreciated.

Please contact us at statbridgeprogram@wharton.upenn.edu if you have any questions.

USTARS 2025 OPEN

I hope your fall semester is off to a good start! I'm writing to share information about STEM funding opportunities for students. Many of these scholarships and fellowships have early fall deadlines for funding for the 25 /26 academic year, and these early deadlines can catch students off guard!

At the moment, PathwaysToScience.org has over **65 portable scholarships and fellowships** posted on the site, all within STEM:

<https://www.pathwaystoscience.org/programs.aspx?u=&r=&s=&sa=either&p=YesPortable&o=either&c=either&f=&dd=&ft=&submit=y&adv=adv>

Undergraduate scholarships and resources for applying:

<https://pathwaystoscience.org/Undergrads.aspx>

Graduate fellowships and resources for applying:

<https://pathwaystoscience.org/Grad.aspx>

Postdoctoral fellowships and postdoc positions:

https://pathwaystoscience.org/Postdocs_Portal.aspx

A quick video tutorial on using our advanced search functions to find funding opportunities: <https://www.youtube.com/watch?v=FxKsAGk8dAw&t=16s>

As always, I am happy to help with finding funding opportunities. If students would like assistance in searching our database of funding opportunities, they should email me with their level of study, disciplinary interests, and any other relevant requirements. Please also share this message with colleagues!

Thank you!

Shelita Augustus

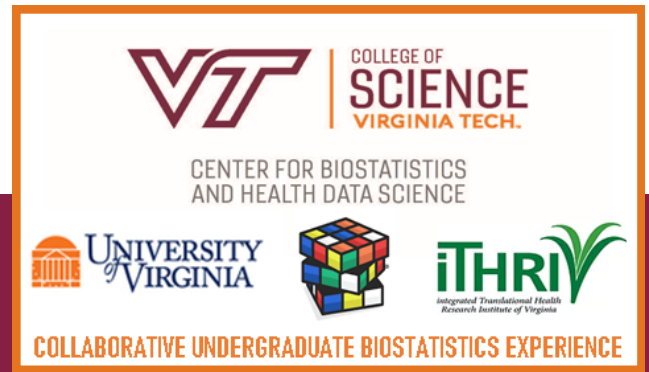
The Institute for Broadening Participation (IBP)

<https://www.PathwaysToScience.org>

The mission of the Institute for Broadening Participation is to increase diversity in the Science, Technology, Engineering and Mathematics (STEM) workforce. We design and implement strategies to increase access to STEM education, funding, and careers, with special emphasis on reaching and supporting individuals from underserved communities and underrepresented groups, including underrepresented minorities, women, persons with disabilities, first generation college students, and students from underserved communities. The Institute for Broadening Participation is a 501(c)(3) organization, tax ID #20-1891162. Your contribution is tax-deductible to the extent allowed by law.



For more information:
<https://biostat.centers.vt.edu/>



CUBE 2025 SUMMER PROGRAM

The Collaborative Undergraduate Biostatistics Experience (CUBE) program provides undergraduate students who are underrepresented in STEM programs with training and mentorship in a real-world collaborative health data science research project.

Program Dates:

June 2, 2025 through July 25, 2025

WHAT IS CUBE?

CUBE is an 8-week training program designed to provide undergraduate students who are underrepresented in STEM programs the opportunity to engage in a collaborative data science experience in the health field, along with related professional development activities. The goal is to offer students an experience working with a real-world dataset under the mentorship of experienced data scientists and clinical experts, to help them determine if they want to pursue a career in collaborative data science, and to provide them with professional development skills for the workplace or for graduate school.

WHO WILL HOST AND MENTOR STUDENTS?

Students will be hosted and mentored by faculty and staff at either Virginia Tech's (VT's) Health and Technology campus in Roanoke, Virginia or at the University of Virginia (UVA) located in Charlottesville, Virginia.

STIPEND?

\$4800 (housing and social outings will be covered by the program; student is responsible for food/meals; this stipend is taxable to the student)

MORE INFO

Scan this QR code to get more information about the CUBE summer program



FOLLOW US ON X (TWITTER)
[@VT_BIOSTATS](https://twitter.com/VT_BIOSTATS)

APPLICATIONS

Applications Open:

October 1, 2024 to February 28, 2025

Where can students apply?

<https://biostat.centers.vt.edu/CUBE.html>

WHO SUPPORTS THE CUBE PROGRAM?

CUBE is funded by the National Institutes of Health's (NIH) NIDA/NIAAA institutes under award number R25DA058482, AbbVie, as well as by Virginia Tech's College of Science, the University of Virginia's Division of Biostatistics, and the Integrated Health Research Institute of Virginia (iTHRIV).



OUR TEAM

The mission of the Center for Biostatistics and Health Data Science (CBHDS) is to achieve excellence in Virginia Tech's health- and medically-related research portfolio.

The background of the entire poster is a microscopic image of plant cells, showing various structures like cell walls, chloroplasts, and nuclei in shades of green, yellow, and purple.

Department of Mathematics
The University of Arizona[®]

ARIZONA WINTER SCHOOL 2025

Southwest Center
for Arithmetic Geometry

<https://swc-math.github.io/>

Deadline to Apply
November 21st, 2024

REPRESENTATION THEORY OF p -ADIC GROUPS

Jessica Fintzen

Representations of p -adic groups

Tasho Kaletha

Characters of representations of p -adic groups

Charlotte Chan

*Geometrizations of representations
of p -adic groups*

Florian Herzig

Mod- p representations of p -adic groups

with **Marie-France Vignéras**, Clay Lecturer

TUCSON, MARCH 8-12, 2025

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

Master of Actuarial and Quantitative Risk Management

Department of Mathematics
 Graduate Office
 102 Mathematics Building
 231 West 18th Avenue
 Columbus, Ohio 43210

Who Should Apply?

Recent college graduates with a strong background in quantitative fields, such as mathematics, statistics, physics, economics, computer science, accounting, finance, engineering or actuarial science.

Prospective actuaries interested in changing career paths or transitioning into the actuarial, finance or banking fields.

Program Synopsis

The Master of Actuarial and Quantitative Risk Management (MAQRM) program is a 3-4 semester long graduate program which provides innovative interdisciplinary training in actuarial science, quantitative finance, and data science. The curriculum includes advanced courses in risk management, stochastic calculus and data analytics along with more traditional skill training in actuarial science, financial economics, statistics and numerical analysis.

Learning Outcomes

Students in the MAQRM program will acquire proficiency in the core subjects of actuarial and financial mathematics. Those who choose the traditional actuarial science direction will acquire proficiency in the areas covered by the actuarial exams administered by the Society of Actuaries and the Casualty Actuarial Society. Students may also choose a traditional financial engineering track. Or they may create a hybrid program focusing on the development of cutting-edge tools used in their preferred career path.

Annual Career Fair

The annual Ohio State Actuarial Science Career Fair affords the exclusive opportunity for actuarial science students to network and interview with actuaries from major insurance companies and consulting firms from around the United States.

Nationwide Mentoring Program

Get paired with a senior actuary or quantitative hedging mentor at Nationwide. Join our large Ohio State University alumni community, network, and learn about important real-world information about your potential career path before you graduate.

Thesis Options

Students may choose to complete the degree via either a thesis option or a non-thesis culminating examination. Either option provides students the opportunity to showcase their subject matter expertise. The thesis option may be especially valuable for students considering eventually pursuing another advanced degree. Past students have completed thesis research in areas such as financial engineering, biostatistics, and machine learning.

Practicum Experience

Students enroll in our seminar series to meet with prospective employers to discuss career development strategies and networking. We keep our program small to ensure all students receive the resources they need to succeed. Hands on and 1-1 training through presentations and class projects will be given by practicing actuaries or quantitative finance professionals on topics drawn from their fields.

Connections with Employers

The program utilizes connections to leaders in the national insurance industry and other businesses involved in risk management. These allow us to create practical experiences, provide additional mentoring during the program's two years of study and assist with matching students with internships and future job placement of graduates. Most MAQRM students complete at least one internship prior to graduation, and past students in the program have found employment after their first year of study with industry leaders like *Nationwide*, *KeyBank*, *DHL*, *Humana*, *Encova Insurance* and *Westfield Insurance*, among others.

CONTACT

Email: grad-info@math.osu.edu **Phone:** 614-292-6274 **Visit:** math.osu.edu/grad





**Drive change and shape
the future using your analytical
and reasoning skills!**

**Apply for the AMS
Congressional
Fellowship today.**

AMS Congressional Fellowship 2025–2026

The American Mathematical Society will sponsor a Congressional Fellow from September 2025 through August 2026. The Fellow will spend the year working on the staff of either a member of Congress or a congressional committee, contributing scientific and technical expertise to legislative and policy areas. They will bring their technical background and external perspective to the decision-making process in Congress. Prospective Fellows must be aware of and sensitive to political and social issues and have a strong interest in applying their knowledge to solve societal problems.

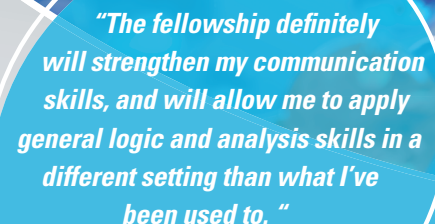
Now in its 20th year, the AMS Congressional Fellowship provides a unique public policy learning experience, and demonstrates the value of science-government interaction. The program includes an orientation on congressional and executive branch operations, and a year-long seminar series on issues involving science, technology, and public policy.

By the **February 1, 2025** deadline date, applicants must:

- hold a PhD or an equivalent doctoral-level degree in the mathematical sciences.
- be a US citizen.
- provide a statement of interest and qualifications.
- submit a current curriculum vitae and three letters of recommendation.

Applicants must not be a federal employee.

The Fellowship stipend is US\$105,812 for the Fellowship period, with additional allowances for relocation and professional travel, as well as a contribution toward health insurance.



*"The fellowship definitely
will strengthen my communication
skills, and will allow me to apply
general logic and analysis skills in a
different setting than what I've
been used to."*

—Ellen Urheim,
AMS Congressional
Fellow 2023–2024



Learn more at the JMM2025
session on *DC-based Policy
and Communications
Opportunities*, Friday,
January 10, 2025 at 4:30 p.m.

Scan below



Or visit www.ams.org/ams-congressional-fellowship
to learn more and apply.

MSRI / Simons Laufer Mathematical Sciences Institute (SLMath) Programs

2025 Summer Research in Mathematics (Berkeley, CA)

Summer Research in Mathematics at SLMath provides space, funding, and the opportunity for in-person collaboration to small groups of mathematicians with partial results on an established project, including 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. Learn more: slmath.org/summer-research

Eligibility: Groups of 2-6 mathematicians with partial results on an established project, with Ph.D. or advanced graduate standing in the mathematical sciences required; at least 1 team member must be U.S. based.

Dates: Visits of a minimum of two weeks must take place between June 2 to August 1, 2025.

How to Apply: Applications will be hosted on MathPrograms.org beginning in Summer 2024. The priority application deadline is **October 11, 2024**. Applications will then be accepted on a rolling basis until capacity is reached.

Funding & Support: Lodging, meals, travel expenses, and post-programmatic travel support. Childcare grants are available for researchers with children under the age of 17 (see website for restrictions) and a nursing room is available. MSRI, now SLMath, has been supported from its origins by the U.S. National Science Foundation, joined by the National Security Agency, over 115 Academic Sponsor departments, private foundations, and generous and farsighted individuals.

Register for Spring 2025 Scientific Workshops at SLMath

SLMath workshops are free to attend in Berkeley and online, thanks to the generous support of our funders, including the U.S. National Science Foundation. Register Online: slmath.org/workshops.

Probability and Statistics of Discrete Structures

- [Connections Workshop](https://slmath.org/workshops/1085) (slmath.org/workshops/1085): January 23-24, 2025
- [Introductory Workshop](https://slmath.org/workshops/1086) (slmath.org/workshops/1086): January 27-31, 2025
- [Detection, Estimation, and Reconstruction in Networks](https://slmath.org/workshops/1098) (slmath.org/workshops/1098): April 21-25, 2025

Extremal Combinatorics

- [Connections Workshop - Extremal Combinatorics](https://slmath.org/workshops/1087) (slmath.org/workshops/1087): February 6-7, 2025
- [Introductory Workshop - Graph Theory: Extremal, Probabilistic and Structural](https://slmath.org/workshops/1088) (slmath.org/workshops/1088): February 10-14, 2025
- [Algebraic and Analytic Methods in Combinatorics](https://slmath.org/workshops/1091) (slmath.org/workshops/1091): March 17-21, 2025

Other Workshops

- [Hot Topics: Interactions between Harmonic Analysis, Homogeneous Dynamics, and Number Theory](https://slmath.org/workshops/1089) (slmath.org/workshops/1089): March 3-7, 2025
- [Critical Issues in Mathematics Education \(CIME\) 2025](https://slmath.org/workshops/1139) (slmath.org/workshops/1139): April 2-4, 2025

Funding Support: Funding Support: Established researchers, postdoctoral fellows, and graduate students are invited to apply for funding. Funding awards are typically made eight weeks before the workshop; requests received after the funding deadlines are considered only if additional funds become available. Groups underrepresented in research-intensive contexts including women, gender-expansive individuals, minorities, and mathematicians not located at research centers are welcomed and encouraged to apply.

Resources for Workshop Attendees: SLMath is pleased to be able to offer a private room for nursing parents. Childcare grants are available for researchers with children under the age of 14 (limited to US Citizens and Permanent Residents, and foreign visitors with a visa status that allows for compensation, such as a J-1). See website for full details: slmath.org/family-services.

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MSRI / Simons Laufer Mathematical Sciences Institute (SLMath) -ADJOINT 2025

Call for Applications: ADJOINT 2025

June 16 - July 27, 2025

SLMath invites applications for the **2025 ADJOINT yearlong program** that provides opportunities for U.S. mathematicians and statisticians – especially those from the African Diaspora – to conduct collaborative research on topics at the forefront of mathematical and statistical research. Participants will spend two weeks on site in Berkeley taking part by either:

- Joining **ADJOINT** small groups under the guidance of some of the nation's foremost mathematicians and statisticians to expand their research portfolio into a new area, or
- Applying to **Self-ADJOINT** as part of an existing or newly-formed independent research group to work on a new or established research project.

The 2025 on-site director is Dr. Naiomi Cameron (Spelman College). For full details of ADJOINT projects and leaders, visit slmath.org/adjoint.

Eligibility All ADJOINT and Self-ADJOINT participants must be U.S. citizens or permanent residents, possess a PhD in the mathematical or statistical sciences, and be employed at a U.S. institution. Self-ADJOINT researchers may be part of only one group's application.

How to Apply: Applications will be hosted on MathPrograms.org beginning in Fall 2024. Application Deadline: **February 4, 2025**.

Funding & Support: Lodging, meals, travel expenses, and post-programmatic travel support. Childcare grants are available for researchers with children under the age of 17 (see website for restrictions) and a nursing room is available.

MSRI / Simons Laufer Mathematical Sciences Institute (SLMath) -Research Programs

Call for Membership: MSRI / SLMath 2024-25 Research Programs

The Simons Laufer Mathematical Sciences Institute (SLMath, formerly known as MSRI) in Berkeley, California, invites applications for membership in the Institute's 2025-26 research programs beginning August 1, 2024. Detailed information can be found at slmath.org/membership and slmath.org/programs.

- [Kinetic Theory: Novel Statistical, Stochastic and Analytical Methods](#) (Fall 2025)
- [Recent Trends in Stochastic Partial Differential Equations](#) (Fall 2025)
- [Geometry and Dynamics for Discrete Subgroups of Higher Rank Lie Groups](#) (Spring 2026)
- [Topological and Geometric Structures in Low Dimensions](#) (Spring 2026)

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.

How to Apply

SLMath uses [MathJobs.org](https://mathjobs.org) to process applications. Interested candidates must apply online. To receive full consideration, applications must be complete, including all letters of support, by **October 1, 2024** (Research Professors) and **November 15, 2024** (Research Members and Postdoctoral Fellows).

Additional Support

SLMath strives to include a diverse community of mathematicians in its programs, and the Institute is committed to maintaining family-friendly policies and, when possible, facilitating appropriate arrangements for partners and children of program members. Some ways that this addressed include:

- SLMath employs a Family Services Coordinator who provides help in locating schools and other services for mathematicians coming to Berkeley with their families.
- The Complementary Program has a limited number of memberships that are open to mathematicians who are partners of invited members of a core program.
- Childcare grants are available for researchers with children under the age of 18 (limited to U.S. Citizens and Permanent Residents, and foreign visitors with a visa status that allows for compensation, such as a J1).
- SLMath is pleased to be able to offer a private room for nursing parents.

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Partner
Institution

POSITION AT PURDUE UNIVERSITY

Purdue University

Department of Mathematics

Position Title: Golomb Visiting Assistant Professor

The Department of Mathematics in the College of Science at Purdue University invites applications from recent Ph.D.s for multiple three-year positions as Golomb Visiting Assistant Professor. 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: The positions are open to mathematicians who will have completed their Ph.D. (or its equivalent) in mathematics or in a closely related field by August 17, 2025. Candidates must have a strong research record in mathematics, as evidenced by papers and preprints, and a record of teaching accomplishments.

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

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 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, 2024, will be given full consideration. Some offers will be made before the end of January 2025. 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.



Partner
Institution

POSITION AT PURDUE UNIVERSITY

Purdue University
Department of Mathematics
Position Title: Assistant Professor of Mathematics

The Department of Mathematics in the College of Science at Purdue University invites applications for three or more multiple appointments in Mathematics to begin August 2025. We are seeking outstanding applicants in core areas of mathematics, pure and applied. These appointments will be at the level of assistant or associate professor.

Successful candidates will combine an outstanding record of research excellence with a commitment to effective and engaged teaching. They are expected to develop a vibrant research program supported by extramural funding, teach undergraduate and/or graduate mathematics courses to a diverse student body, and supervise graduate students. They will participate in the governance of the department, the College of Science, and Purdue University by serving on faculty committees. Senior faculty will also mentor junior faculty. Appointments will be made based on demonstrated research and teaching qualifications. Candidates must have a Ph.D. (or its equivalent) in mathematics or a closely related field.

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. Research within the Department of Mathematics spans multiple areas of pure and applied mathematics and extends to collaborations with partners across science and engineering.

There is also a large-scale interdisciplinary hiring effort across key strategic areas in the College, including mathematical and computational foundations, quantum computation, and data science.

Applications should be submitted online through www.mathjobs.org and should include (1) the AMS cover sheet for academic employment, (2) a cover letter, (3) a curriculum vitae, (4) a research statement, and (5) four letters of recommendation, one of which discusses the candidate's teaching qualifications. In addition, for purposes of equity, to be considered for the position, applicants will also need to create a profile at SuccessFactors. Reference letter writers should be asked to submit their letters online through www.mathjobs.org. Direct all inquiries to mathexec@purdue.edu. Applications are considered on a continuing basis but candidates are urged to apply by October 15, 2024 for full consideration.

Purdue University's Department of Mathematics is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. For more information about our department, see www.math.purdue.edu. A background check will be required for employment in this position.

Purdue University is an EOE/AA employer fully committed to achieving a diverse workforce. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.



Partner
Institution

**POSITION AT
UNIVERSITY OF WASHINGTON**

Professor and Chair, Biostatistics

University of Washington: Academic Personnel: School of Public Health

Location

Seattle, Washington

Open Date

Aug 15, 2024

Description

The Department of Biostatistics within the School of Public Health at the University of Washington (UW) invites transformational leaders to submit an application to become its new Department Chair and Professor with Tenure.

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

The Chair of the UW Department of Biostatistics will support the department's mission of serving as a source of expertise and a locus for training and research in the quantitative aspects of public health and medicine, and a promoter of the uses of rigorous quantitative methods in biomedical research. The chair will build upon departmental and university strengths, leading with passion a department that works to inform, promote, and evaluate concrete actions to improve public health. The Chair will lead and serve as an advocate for a group of talented and committed faculty, staff, and students from diverse backgrounds dedicated to improving the well-being of communities in the United States and abroad. University of Washington faculty engage in teaching, research, and service.

Learn more at

<https://www.biostat.washington.edu/about/employment/biostatisticschair>



Partner
Institution

POSITION AT UNIVERSITY OF MINNESOTA

The School of Mathematics in the University of Minnesota invites applications for multiple open TENURE-TRACK or TENURED faculty positions starting Fall semester 2025. We seek candidates with a record of excellence in research, teaching, and service. Applicants should possess a Ph.D. or equivalent degree in mathematics or a closely related field. The department is committed to building a diverse, supportive, and inclusive community for all students and faculty, and is particularly interested in candidates who have a demonstrated interest in furthering these goals.

How to Apply

Applications and all supporting materials must be submitted electronically through MathJobs, <https://www.mathjobs.org/jobs/list/25041>. Applicants must include the following: cover letter, curriculum vitae, at least 4 letters of recommendation (one of which should address teaching ability), a research statement, and a teaching statement. Applicants may also provide an optional statement to describe their prior contributions in service, outreach, and inclusion.

Reference letter writers should be asked to submit their letters online through <https://www.mathjobs.org>.

Applications received by **October 14, 2024** are ensured of receiving full consideration. This position will remain open until filled.

Employment Requirements

Any offer of employment is contingent upon the successful completion of a background check. Our presumption is that prospective employees are eligible to work here. Criminal convictions do not automatically disqualify finalists from employment.

Equal Employment Opportunity Statement

The University recognizes and values the importance of diversity and inclusion in enriching the employment experience of its employees and in supporting the academic mission. The University is committed to attracting and retaining employees with varying identities and backgrounds.

The University of Minnesota provides equal access to and opportunity in its programs, facilities, and employment without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression. To learn more about diversity at the U: <http://diversity.umn.edu>.



Partner
Institution

POSITION AT UNIVERSITY OF MINNESOTA

The Dunham-Jackson Postdoctoral Associate is a three-year appointment in the School of Mathematics at the University of Minnesota that will begin in the Fall semester 2025. We seek candidates with demonstrated excellence in research and teaching. Preference will be given to applicants whose research interests are compatible with faculty in the department. The position has a teaching load of three one-semester courses per academic year. Salary is competitive. The department is committed to building a diverse, supportive, and inclusive community for all students and faculty, and is particularly interested in candidates who have a demonstrated interest in furthering these goals.

Applicants should have received or expect to receive a Ph.D. in mathematics or its equivalent no earlier than January 1, 2024 and no later than August 26, 2025. Applications and all supporting materials must be submitted electronically through MathJobs. Applicants must include the following: cover letter, curriculum vitae, a research statement, a teaching statement, and four letters of recommendation, at least one of which addresses teaching ability. Applicants may also provide an optional statement to describe their contributions in other aspects of their candidacy, such as service, outreach, and inclusion efforts. Reference letter writers should be asked to submit their letters online through mathjobs.org. Applications received by Monday, December 2, 2024 will receive full consideration, and we will continue reviewing applications for as long as positions are available.

About the Department: The School of Mathematics, located in the heart of the University of Minnesota's College of Science and Engineering, features over sixty faculty and more than 120 graduate students engaged in world-class research across all areas of mathematics. Its core educational mission is to provide students with the analytical skills to thrive in the modern workplace, while fostering an inclusive and inspiring environment where everyone can achieve their full potential.

The School is supported by numerous centers which extend the research and outreach missions of the department, including the Institute for Mathematics and its Applications, the Minnesota Center for Financial and Actuarial Mathematics, the Minnesota Center for Industrial and Applied Mathematics, and the School of Mathematics Center for Educational Programs which houses UMTYMP - our program for mathematically talented Minnesota youth.

Working at the University: At the University of Minnesota, you'll find a flexible work environment and supportive colleagues who are interested in lifelong learning. We prioritize work-life balance, allowing you to invest in the future of your career and in your life outside of work. Please visit the Office of Human Resources website for more information regarding benefits: <https://hr.umn.edu/>.

Diversity: The University recognizes and values the importance of diversity and inclusion in enriching the employment experience of its employees and in supporting the academic mission. The University is committed to attracting and retaining employees with varying identities and backgrounds.

The University of Minnesota provides equal access to and opportunity in its programs, facilities, and employment without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression. To learn more about diversity at the U: <http://diversity.umn.edu>.

Employment Requirements: Any offer of employment is contingent upon the successful completion of a background check. Our presumption is that prospective employees are eligible to work here. Criminal convictions do not automatically disqualify finalists from employment.



Partner
Institution

POSITION AT ARIZONA STATE UNIVERSITY

The School of Mathematical and Statistical Sciences at Arizona State University invites applications for a full-time, non-tenure track, benefits-eligible position at the rank of Clinical Assistant Professor in the School of Mathematical and Statistical Sciences beginning August 16, 2025. Subsequent academic year renewals (Aug. 16 –May 15) are contingent upon performance, availability of resources, and the needs of the unit.

The essential duties will be to teach undergraduate data science classes (statistics, machine learning) either in-person, online, or both. In addition to instruction, the successful candidate will be expected to mentor undergraduate research/discovery projects and participate in appropriate professional service, which will include some curriculum development and advising.

Required qualifications:

- A Ph.D. degree in mathematics or statistics or computer science, or a closely related field by August 10, 2025
- Demonstrated potential for excellence in-person and/or on-line instruction and student mentoring in statistics or machine learning

Desired qualifications:

- A documented record of excellence in classroom and/or on-line instruction and student mentoring in statistics and machine learning using R and Python as computational tools
- Experience in curriculum development in statistics and/or machine learning in the context of applications to science and/or engineering
- Professional experience in industry and/or industry connections.
- Demonstrated success working with a wide range of student and/or faculty populations
- Demonstrated commitment to working with faculty, staff, students and communities to advance the ASU Charter

Application Instructions:

The application deadline is **November 15, 2024**. 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. Candidates will be asked to create or use an existing Interfolio Dossier to submit the following application materials:

Submit the following to the ASU Interfolio website, <http://apply.interfolio.com/156447>

1. A cover letter that briefly explains the candidate's interest in the position and addresses the candidate's commitment to ASU's Charter.
2. A curriculum vitae.
3. A statement of teaching experience and philosophy.
4. A personal statement addressing the candidate's research interests.
5. Four (4) confidential letters of recommendation that address teaching and academic credentials.

Applications submitted outside of Interfolio will not be considered.

Equal Employment Opportunity Statement

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, sexual orientation, gender identity, religion, national origin, disability, protected veteran status, or any other basis protected by law. ASU's full nondiscrimination statement (ACD 401) is located on the ASU website at <https://www.asu.edu/aad/manuals/acd/acd401.html> and <https://www.asu.edu/titleX>.

Clery Act Statement

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

For additional information regarding position specifics, please contact Tammy Palmer via email at tammy.palmer@asu.edu



Partner
Institution

POSITION AT ARIZONA STATE UNIVERSITY

The School of Mathematical and Statistical Sciences at Arizona State University invites applications for several full-time, benefits-eligible Assistant Teaching Professor positions in mathematics, statistics, and/or data science. The anticipated start date is August 16, 2025. Subsequent academic year renewals (Aug. 16 – May 15) are contingent upon performance, availability of resources, and the needs of the unit.

The essential duties will be to teach eight sections of lower-division service-level mathematics and/or statistics classes per academic year, either in-person, online, or both. In addition to instruction, service responsibilities connected with the instructional mission or outreach activities are expected at approximately 20% effort. Examples of such service activities include (but not limited to): committee service, course coordination, curriculum development, TA and new instructor training, the assignment of graders and instructional assistants and activities that benefit K-12 education.

Required Qualifications:

- A Ph.D. degree in mathematics, statistics, mathematics education, or a closely related field by the time of appointment.
- Demonstrated potential for excellence in in-person and/or online instruction.

Desired Qualifications:

- A documented record of excellence in classroom and/or online instruction.
- Experience in teaching and curriculum development in beginning courses in college algebra, business mathematics, engineering mathematics, and/or statistics, both in-person and online formats.
- Demonstrated success working with a wide range of student and/or faculty populations.
- Demonstrated commitment to working with faculty, staff, students and communities to advance the principles of the [ASU Charter](#)

Application Instructions:

The application deadline is **November 15, 2024**. 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. Candidates will be asked to create or use an existing Interfolio Dossier to submit the following application materials:

Submit the following to the ASU Interfolio website: <http://apply.interfolio.com/156581>

1. A cover letter that briefly explains the candidate's interest in the position and addresses the candidate's commitment to the ASU Charter.
2. A curriculum vitae that includes a list of the courses the candidate has taught, when those courses were taught, and what the candidate's role/responsibility was (e.g. instructor of record, lead recitations, online assistant, tutor, etc.).
3. A personal statement addressing the candidate's teaching experience and philosophy.
4. Evidence of teaching effectiveness (e.g. student evaluations, peer observations, annual evaluations, etc.).
5. Three (3) confidential letters of recommendation that address the teaching and academic credentials.

Equal Employment Opportunity Statement

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, sexual orientation, gender identity, religion, national origin, disability, protected veteran status, or any other basis protected by law. ASU's full nondiscrimination statement (ACD 401) is located on the ASU website at <https://www.asu.edu/aad/manuals/acd/acd401.html> and <https://www.asu.edu/titleIX>.

Clery Act Statement

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.

For additional information regarding position specifics, please contact Tammy Palmer via email at tammy.palmer@asu.edu.



Partner
Institution

POSITION AT UNIVERSITY OF CALIFORNIA, RIVERSIDE

Assistant Professor of Applied and Computational Mathematics- University of California Riverside

The Department of Mathematics at the University of California, Riverside invites applications for an Assistant Professor position in Applied and Computational Mathematics, beginning on 1 July 2025. The desired specialties include Mathematical foundations of machine learning and data science, computational modeling of fluids, optimization, computational methods for nonlinear partial differential equations, and quantum computing. This academic-year position is intended for the level of tenure-track Assistant Professor.

Responsibilities of the position include research, graduate and undergraduate teaching, and departmental, university, and professional service. Established criteria of the University of California will determine the salary and the level of appointment.

The UC salary consists of a base pay of \$74,600 to \$97,200 for Assistant Professors and additional off-scale to be commensurate with market value, qualifications and experiences. The off-scale portion of the salary will be maintained as long as satisfactory academic progress is made. Additionally, the off-scale will be maintained subject to market adjustments to the UC salary scale.

Basic qualifications for this position that must be met by the date of application include:

- A Ph.D. in Mathematics or Applied Mathematics and demonstrated excellence in research and teaching is required. The successful candidate will have made major contributions beyond the doctoral dissertation.

Additional qualifications for this position that must be met by the date of hire include:

- The desired specialties include mathematical foundations of machine learning and data science, computational modeling of fluids, optimization, computational methods for nonlinear partial differential equations, and quantum computing.

Preferred qualifications for this position include:

- Contributions to promote diversity.

Advancement through the Assistant Professor ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input.

To apply: submit the following items to <https://apptrkr.com/5654666>:

- Cover Letter;
- Curriculum Vitae;
- Letters of Reference - at least three that address research and at least one that addresses teaching;
- Statement of Research;
- Statement of Teaching;
- Teaching Evaluations, and (optionally) copies of teaching evaluations;
- Statement of Past and/or Planned Future Contributions to Advancing Diversity and Inclusive Excellence.

Review of applications will commence on **November 30, 2024** and proceed until position is filled. For full consideration, applicants should submit their complete applications prior to the above date.

For more information about this position, please contact Dr. Mark Alber, Chair of the Search Committee, Department of Mathematics, at mark.alber@ucr.edu. For questions on application procedures and requirements, please contact Ms. Ashleigh Bennett, Academic Personnel, at ashleigh.bennett@ucr.edu.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age or protected veteran status.

For the University of California's Affirmative Action Policy please visit: <https://policy.ucop.edu/doc/4010393/PPSM-20>.

For the University of California's Anti-Discrimination Policy, please visit: <https://policy.ucop.edu/doc/1001004/Anti-Discrimination>.

To apply, please visit: <https://apptrkr.com/5654666>



Partner
Institution

POSITION AT UNIVERSITY OF CALIFORNIA, RIVERSIDE

The Department of Mathematics at the University of California invites applicants for a tenure- track Assistant Professor in Pure Mathematics. This position will start on July 1, 2025.

Responsibilities of the position include research, graduate and undergraduate teaching, and departmental, university, and professional service. Established criteria of the University of California will determine the salary and the level of appointment.

The UC salary consists of a base pay of \$74,600 to \$97,200 for Assistant Professors and additional off-scale to be commensurate with market value, qualifications and experiences. The off-scale portion of the salary will be maintained as long as satisfactory academic progress is made. Additionally, the off-scale will be maintained subject to market adjustments to the UC salary scale.

Basic qualifications for this position that must be met by the date of application include a Ph.D. in Mathematics and demonstrated excellence in research and teaching is required. The successful candidate will have made major contributions to pure mathematics beyond the doctoral dissertation.

Additional qualifications include synergy with the research program of the existing faculty members.

Preferred qualifications for this position include contributions to promote diversity.

Advancement through the Assistant Professor ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input.

To apply: submit the following items to <https://apptrkr.com/5666432>.

- Cover Letter;
- Curriculum Vitae;
- Statement of Teaching;
- Statement of Research;
- Statement of Past and/or Planned Future Contributions to Advancing Diversity and Inclusive Excellence.
- Letters of Reference - Applicants should provide 3 letters on research and one additional letter of recommendation on teaching.

Review of applications will commence on November 25, 2024, and proceed until the position is filled. For full consideration, applicants should submit their complete applications prior to the above date.

For more information about this position, please contact Dr. Yat Sun Poon, Chair of the Search Committee, Department of Mathematics, at yphoon@ucr.edu. For questions on application procedures and requirements, please contact Ms. Ashleigh Bennett, Academic Personnel, at ashleigh.bennett@ucr.edu.

The University of California, Riverside is a world-class research university with an exceptionally diverse undergraduate student body. UCR is a member institution of the American Association of Universities (AAU) as well as the Alliance of Hispanic Serving Research Universities (HRSU). Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age or protected veteran status.

For the University of California's Affirmative Action Policy please visit: <https://policy.ucop.edu/doc/4010393/PPSM-20>.

For the University of California's Anti-Discrimination Policy, please visit: <https://policy.ucop.edu/doc/1001004/Anti-Discrimination>.

University of California COVID-19 Vaccination Program Policy: As a University employee, you will be required to comply with all applicable University policies and/or collective bargaining agreements, as may be amended from time to time. Federal, state, or local government directives may impose additional requirements.

To apply, please visit: <https://apptrkr.com/5666432>

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**POSITION AT UNVIERSITY OF
MASSACHUSETTS, AMHERST**

Job Description

The Department of Mathematics and Statistics at the UMass Amherst seeks to hire an academic-year, tenure-track faculty member in Discrete Mathematics and Combinatorics, starting in Fall 2025. For this assistant professor position we are seeking excellent candidates with a strong mathematical background; areas of interest include, but are not restricted to: combinatorics (widely interpreted, including algebraic, analytic, enumerative, extremal, polyhedral and probabilistic combinatorics), graph theory, coding and information theory, combinatorial optimization, and applications of discrete mathematics to theoretical computer science.

Under exceptional circumstances, highly qualified candidates at other ranks may receive consideration. We welcome all applications, and encourage applications from candidates with backgrounds that are traditionally underrepresented in the mathematical sciences.

Requirements

Applicants must present strong evidence of research accomplishments and promise in both research and teaching. Applicants are required to have a Ph.D. in Mathematics or a related field by the time of appointment.

Additional Information

Along with the application, please submit the following: a cover letter, curriculum vitae, description of research, statement about teaching experience and interests, a statement on contributions to inclusive excellence (see below), and three (3) letters of recommendation (at least one letter must also address the applicant's effectiveness as a teacher).

Please submit materials online to Mathjobs: <https://www.mathjobs.org/jobs>

Review of applications will begin on **November 1, 2024** and continue until the position is filled. Questions about the position should be directed to the chair of the Search Committee, Professor Annie Raymond annieraymond@umass.edu. For additional information about the application process, contact David Rodriguez, davdrodrigu@umass.edu.

UMass Amherst is committed to a policy of equal opportunity without regard to race, color, religion, caste, creed, sex, age, marital status, national origin, disability, political belief or affiliation, pregnancy and pregnancy-related condition(s), veteran status, sexual orientation, gender identity and expression, genetic information, natural and protective hairstyle and any other class of individuals protected from discrimination in employment, admission to and participation in academic programs, activities, and services, and the selection of vendors who provide services or products to the University. To fulfill that policy, UMass Amherst is further committed to a program of affirmative action to eliminate or mitigate artificial barriers and to increase opportunities for the recruitment and advancement of qualified minorities, women, persons with disabilities, and covered veterans. It is the policy of UMass Amherst to comply with the applicable federal and state statutes, rules, and regulations concerning equal opportunity and affirmative action.

Member
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**POSITION AT
UNIVERSITY OF ALABAMA**

Assistant Professor in Algebra

The Department of Mathematics at The University of Alabama invites applications for two tenure-track positions at the Assistant Professor level in Pure Mathematics. The appointment will begin on August 16, 2025.

The department is seeking applicants with research and teaching expertise in the area of Algebra. We are especially interested in candidates who can strengthen our existing faculty/research in algebra, specifically in the areas of Algebraic Combinatorics, Algebraic Geometry, Cluster Algebras, Commutative Algebra, and Representation Theory. Applicants are expected to have postdoctoral experience and show solid evidence of research productivity beyond the doctoral dissertation.

The University of Alabama is a student-centered research university. The successful candidate is expected to develop a strong research program and to pursue external funding and should be committed to providing stellar education to undergraduate and graduate students. In addition, the candidate should be committed to supervising undergraduate research and graduate dissertations. Candidates must possess a doctoral degree in mathematics or a very closely related field by August 16, 2025.

Applicants should complete the online application at <http://careers.ua.edu/cw/en-us/job/524835>. The application should include a letter of application, a current curriculum vita, a research statement, a teaching statement, and at least three letters of recommendation (one of which concerns teaching). The recommendation letters should be submitted electronically through MathJobs (<https://www.mathjobs.org/jobs/list/25267>).

Applications will be reviewed on an ongoing basis starting **November 1, 2024**, and will continue to be accepted until the position is filled.

The University of Alabama is an Equal Employment/Equal Educational Opportunity Institution.

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**POSITION AT UNVIERSITY OF
MASSACHUSETTS, AMHERST**

Job Description

The Department of Mathematics and Statistics at the UMass Amherst seeks to hire an academic-year, tenure-track faculty member in Machine Learning, starting in Fall 2025. For this assistant professor position we are seeking top candidates with an exceptional mathematical background, working in areas ranging from the mathematical and statistical foundations of artificial intelligence to uncertainty quantification and scientific machine learning. Under exceptional circumstances, highly qualified candidates at other ranks may receive consideration. We welcome all applications and encourage applications from candidates with backgrounds that are traditionally underrepresented in the mathematical sciences.

The Department of Mathematics and Statistics at UMass Amherst includes dynamic groups in pure mathematics, applied mathematics, and statistics. A successful candidate will enhance the Department's nationally recognized research environment in Machine Learning and related fields, including deep learning, generative modeling, uncertainty quantification, optimization, differential privacy, optimal transport, information theory, Bayesian methods, inference, inverse problems, numerical analysis, and scientific computing.

We are an R1 research university with strong grant funding and a baseline teaching load of three semester courses per year, which can be reduced through research funding buyouts. It is common for new faculty to teach two semester courses per year for the first two years. Our tenure system faculty typically teach upper level undergraduate and graduate courses, with flexibility to create courses of our choosing. The Pioneer Valley is a wonderful place to live, and UMass is also interested in helping to resolve two body problems. We have excellent benefits including a generous state pension system and parental leave program. Faculty contracts are collectively bargained via a union that is part of the Massachusetts Society of Professors.

Requirements

Applicants must present strong evidence of outstanding research accomplishments and promise in both research and teaching. Applicants are required to have a Ph.D. in Mathematics, Statistics or a related field by the time of appointment.

Additional Information

Along with the application, please submit the following: a cover letter, curriculum vitae, description of research, statement about teaching experience and interests, a statement on contributions to inclusive excellence (see below), and three (3) letters of recommendation (at least one letter must also address the applicant's effectiveness as a teacher).

Please submit materials online to Mathjobs: <https://www.mathjobs.org/jobs>

Review of applications will begin on **November 1, 2024** and continue until the position is filled. Questions about the position should be directed to the chair of the Search Committee, Professor Markos Katsoulakis, markos@umass.edu. For additional information about the application process, contact David Rodriguez, davdrodrigu@umass.edu.

UMass Amherst is committed to a policy of equal opportunity without regard to race, color, religion, caste, creed, sex, age, marital status, national origin, disability, political belief or affiliation, pregnancy and pregnancy-related condition(s), veteran status, sexual orientation, gender identity and expression, genetic information, natural and protective hairstyle and any other class of individuals protected from discrimination in employment, admission to and participation in academic programs, activities, and services, and the selection of vendors who provide services or products to the University. To fulfill that policy, UMass Amherst is further committed to a program of affirmative action to eliminate or mitigate artificial barriers and to increase opportunities for the recruitment and advancement of qualified minorities, women, persons with disabilities, and covered veterans. It is the policy of UMass Amherst to comply with the applicable federal and state statutes, rules, and regulations concerning equal opportunity and affirmative action.

mathalliance@purdue.edu | www.mathalliance.org

This ad has been abbreviated to fit the page. You can see the ad in its entirety on our website.

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**POSITION AT
UNIVERSITY OF ALABAMA**

Assistant Professor in Topology

The Department of Mathematics at The University of Alabama invites applications for one tenure-track position at the Assistant Professor level in Pure Mathematics. The appointment will begin on August 16, 2025.

The department is seeking applicants with research and teaching expertise in the area of Topology. We are especially interested in candidates who can strengthen our existing faculty/research in topology, which is broadly in Geometric Topology, and it specifically includes: Low Dimensional Geometry and Topology, Symplectic and Contact geometry, and Floer and Khovanov homologies. Applicants are expected to have postdoctoral experience and show solid evidence of research productivity beyond the doctoral dissertation.

The University of Alabama is a student-centered research university. The successful candidate is expected to develop a strong research program and to pursue external funding and should be committed to providing stellar education to undergraduate and graduate students. In addition, the candidate should be committed to supervising undergraduate research and graduate dissertations. Candidates must possess a doctoral degree in mathematics or a very closely related field by August 16, 2025.

Applicants should complete the online application at <http://careers.ua.edu/cw/en-us/job/524751>. The application should include a letter of application, a current curriculum vita, a research statement, a teaching statement, and at least three letters of recommendation (one of which concerns teaching). The recommendation letters should be submitted electronically through MathJobs (www.mathjobs.org).
<https://www.mathjobs.org/jobs/list/25266>

Applications will be reviewed on an ongoing basis starting **November 1, 2024**, and will continue to be accepted until the position is filled.

The University of Alabama is an Equal Employment/Equal Educational Opportunity Institution.

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**POSITION AT
UNIVERSITY OF ALABAMA**

Associate/Full Professor Tenured/Tenure-track Faculty Position in Applied Mathematics

The University of Alabama Department of Mathematics invites applications for one tenured/tenure-track position at the Associate or Full Professor rank in Applied Mathematics, as part of a machine-learning focused cluster hire, with an expected starting date of August 16, 2025.

The successful candidates for this position will be expected to augment the department's strengths in applied mathematics by combining mathematical modeling, computational, and theoretical approaches with ML/AI techniques, as well as to take advantage of a new \$96 million-dollar High Performance Computing and Data Center that will come online in 2024-2025. More information about the department can be found on the department's website www.math.ua.edu.

The minimum qualifications for this position are Ph.D. or equivalent in mathematics or a closely related field, postdoctoral experience, scholarly publications, and experience in ML/AI. Candidates are expected to have an outstanding research record commensurate with their career stage and develop a high quality, externally funded research program, as well as teach and mentor at the undergraduate and graduate levels effectively.

The successful candidate is expected to possess a national/international reputation with an active research program, a record of securing multiple external research grants, and an outstanding record of teaching at the undergraduate and graduate level. Extraordinary candidates will be nominated for the Endowed Shelby Distinguished Faculty position: <https://provost.ua.edu/the-shelby-endowment-for-distinguished-faculty/>

The review of applications will begin November 15, 2024, and will continue until the position is filled. Applications should include a letter of application, a current curriculum vitae, a research statement, a teaching statement, and at least four letters of recommendation (one of which concerns teaching). The recommendation letters should be submitted electronically through MathJobs (<https://www.mathjobs.org/jobs/list/25260>).

Applications must be submitted online at the University of Alabama website at <http://careers.ua.edu/cw/en-us/job/524856>

Member
Institution

**POSITION AT
MICHIGAN STATE UNIVERSITY**

The Department of Mathematics at Michigan State University invites applications for two RTG Postdoctoral Associate positions with a starting date of Fall 2025. This is a three-year, benefits eligible position, associated with the NSF-funded RTG project “Algebraic and Geometric Topology at Michigan State.” 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, 2025. 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 the following items on Mathjobs.org to complete their application:

- Cover Letter
- Curriculum Vitae
- Research Statement
- Teaching Statement
- Four Reference Letters with at least one of which addresses teaching (Letters to be submitted online by the reference writers at Mathjobs.org posting)

Applicants must submit their application materials via [Mathjobs.org](https://mathjobs.org) at <https://mathjobs.org/jobs/list/25010>.

Review of applications will begin on **December 8, 2024**, 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.

For questions or further information:

- Teena Gerhardt (teena@math.msu.edu)
- Matthew Hedden (mhedden@math.msu.edu)
- Effie Kalfagianni (kalfagia@msu.edu)
- Matthew Stoffregen (stoffre1@msu.edu)

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

MSU is an affirmative-action, equal-opportunity employer and is committed to achieving excellence through a diverse workforce and inclusive culture that encourages all people to reach their full potential. The University actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities. MSU is committed to providing a work environment that supports employees' work and personal life, and offers employment assistance to the spouse or partner of candidates for faculty and academic staff positions.

Member
InstitutionPOSITION AT
MICHIGAN STATE UNIVERSITY

The Department of Computational Mathematics, Science, and Engineering (CMSE) and the Department of Mathematics (MATH) at Michigan State University (MSU) invite applications for an open rank tenure system position in applied and computational mathematics beginning Fall 2025. The successful candidate will be jointly appointed between CMSE and MATH, with a majority appointment in CMSE. The CMSE and MATH departments are both committed to supporting an open and inclusive culture and as such have a strong commitment to diversity, equity, and inclusion (DEI). Additional information about the two departments can be found at the end of this job posting.

The jointly appointed open-rank position seeks to build upon the strong bonds between the two departments. While all areas of computational math will be considered, an emphasis will be placed on the following two areas:

- Area 1: Methods for solving Partial Differential Equations in high dimensional spaces, including problems in quantum emulators, uncertainty quantification, transport, financial markets, etc. Here, it is important that research in algorithm development has strong connections to needs in an application state space.
- Area 2: Methods/algorithms for near-term, intermediate-scale, and/or fault-tolerant quantum computing platforms, including algorithms for particular applications (e.g., quantum algorithms for differential equations) and methods to enable scalable quantum computing (e.g., quantum error correction).

While we anticipate the appointment to be at the assistant professor level, an appointment at the level of associate or full professor may also be considered depending on the experience and qualifications of the candidate. Preference will be given to candidates with at least 2 years of research and teaching experience beyond the Ph.D. Qualified candidates will exhibit strength in research, teaching, and integrated DEI activities. Research will be judged on publication rate, quality of journals/publications and the ability to build an independent and innovative research program with strong potential to impact the field and adjacent areas as communicated in the research statement and curriculum vita. Teaching will be evaluated through demonstration of commitment to student mentoring, willingness to experiment with pedagogical approaches, and ability to generate a welcoming environment as communicated in the teaching statement, as well as other evidence contained within the curriculum vita. A successful candidate will demonstrate integration of DEI activities into their research and teaching program. Evidence of external funding is important for senior candidates (any candidate already in a faculty position) and is considered a plus for junior candidates.

To receive full consideration, applications must include:

1. One-page cover letter that frames the application in the context of this ad and addresses the relationship between the candidate's research and the areas of research preference.
2. A CV, including a list of publications, a history of external funding, contributed and invited talks, teaching and mentoring roles, contributions to the academic community, and efforts in public outreach.
3. A two-to-six-page research statement highlighting past research accomplishments and future plans that frame the applicant's ability to conduct independent research in the fields relevant to this position. This statement should include experience or plans to advance DEI within the applied and computational mathematics research community.
4. A two-to-three-page teaching statement describing the applicant's experience in instruction and research mentoring of graduate and undergraduate students, including experiences or plans to create an inclusive and equitable learning environment for students.
5. Four letters of reference. Three of these letters must address the applicant's research while one letter must address the applicant's instructional experience.

All applicants must submit their application via the Mathjobs.org job posting at <https://www.mathjobs.org/jobs/list/25252>. A background check is required for employment.

To receive full consideration, complete applications must be received by **October 28th, 2024**. Late submissions will be considered if suitable candidates are not identified, and review of applications will continue until the position is filled. Questions may be directed to the chair of the search committee, Prof. Andrew Christlieb (christli@msu.edu).

Applicants are encouraged to explore the MSU Department of Mathematics website at <https://math.msu.edu> and Department of CMSE website at <https://cmse.msu.edu>.

MSU is an affirmative-action, equal-opportunity employer and is committed to achieving excellence through a diverse workforce and inclusive culture that encourages all people to reach their full potential. The University actively encourages applications and/or nominations of women, persons of color, veterans, and persons with disabilities. MSU is committed to providing a work environment that supports employees' work and personal life and offers employment assistance to the spouse or partner of candidates for faculty and academic staff positions.

Member
Institution

POSITION AT
MICHIGAN STATE UNIVERSITY

The **Department of Mathematics** at **Michigan State University** invites applications for Mathematical Biology/Computational Topology Research Associates with an open starting date from December 1, 2024, to August 16, 2025. Candidates will be evaluated continuously until multiple positions are filled. 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 an equivalent area, such as computational chemistry/biology/biophysics and computer science. Applications will be 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 for the Mathematical Biology/Computational Topology Research Associate job posting on Mathjobs.org at <https://www.mathjobs.org/jobs/list/25022> to be considered. A complete application includes a vita, a research statement that indicates their experience in any of the four-focus areas, 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 an equivalent area before the starting date.

Review of applications will begin on **October 1, 2024**, and continue until positions are filled. A background check is required for employment.

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

MSU is an affirmative-action, equal-opportunity employer and is committed to achieving excellence through a diverse workforce and inclusive culture that encourages all people to reach their full potential. The University actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities. MSU is committed to providing a work environment that supports employees' work and personal life, and offers employment assistance to the spouse or partner of candidates for faculty and academic staff positions.

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**POSITION 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 2025.

Postdoctoral Research Associates (Postdocs) comprise the department Postdoctoral Fellows program. Postdoctoral Fellows 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.

All positions are benefits eligible and potentially renewable on an annual basis through Spring 2028, 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, 2025.

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/25186>. The evaluation process will begin on December 2, 2024, and review of applications will continue until positions are filled. A background check is required for employment.

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

Member
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**POSITION AT
WASHINGTON STATE
UNIVERSITY**

The Program in Data Analytics and the Department of Mathematics and Statistics at Washington State University invite applications for an Assistant Professor (Teaching), Career track faculty position in Pullman, WA, with a specialty in Data Analytics. This position is a fixed-term, nine-month, three-year appointment with the possibility of renewal. We seek applicants who have expertise in Data Science and Analytics with focus in fields related to data such as: data structures, machine learning, data mining, databases, data modeling, data ethics, corporate analytics or other data domain expertise. The successful candidate will be expected to teach undergraduate and potentially graduate courses for the Data Analytics program, create curriculum innovation, and work with us to continue to develop and expand the Data Analytics program at WSU. It is anticipated that the successful candidate will begin the appointment on August 16, 2025.

Required Qualifications: Earned Ph. D. in Data Science, Data Analytics, Statistics, Applied or Computational Mathematics, Computer Science or related fields grounded in Data Science or MS in one of the above fields, with industry experience in data science/analytics or teaching experience in one of the fields (mentioned above) of at least 3 years by appointment date. Demonstrated record of or potential for program and curricular development. Proven or potential for successful teaching and instruction. Demonstrated record of or potential for commitment to equitable and inclusive educational experiences as in alignment with WSU's land grant mission. Applicants must be authorized to work for any employer in the U.S. We are unable to sponsor or take over sponsorship of an employment Visa at this time.

To Apply: Visit wsu.edu/jobs, select your appropriate employment status, and search for R-12623. Applicants must upload the following required documents to their online application. External candidates, please upload all documents in the "Resume/CV" section of your application. Internal candidates, please upload all documents in the "Resume/Cover Letter" section of your application.

Applicants should include a cover letter addressing qualifications for this position as well as a response to the following prompt: As a land-grant university, our university has a continuing commitment to ensuring equitable and meaningful inclusion in our classrooms, collaborations, and academic work. The successful candidate for this faculty position will have the experiences, knowledge, and skills to build their pedagogy, curriculum, and service in ways that reflect and enhance this commitment. Using the job announcement for this position, please list at least three areas of responsibility you see as directly related to fulfilling this promise, and explain, in each, how your past education and teaching experiences, and resulting knowledge and skills, have prepared you to do this work. Please include your CV, teaching statement, names, addresses, and contact information of three references who can address your history of and potential for excellence in teaching and service.

Inquiries should be directed to Daryl DeFord daryl.deford@wsu.edu or Nairanjana Dasgupta dasgupta@wsu.edu.

Posting Close Date: Applicants must submit their completed application by **February 15, 2025**, at 12:00 a.m Pacific Time.

Washington State University is an Equal Opportunity/Affirmative Action Educator and Employer. Members of ethnic minorities, women, special disabled veterans, veterans of the Vietnam-era, recently separated veterans, and other protected veteran, persons of disability and/or persons age 40 and over are encouraged to apply.

Member
Institution

POSITION AT CASE WESTERN RESERVE

Description:

The Department of Mathematics, Applied Mathematics, and Statistics at Case Western Reserve University (CWRU) is searching for at least one (1) tenure-track assistant professor in pure mathematics, and at least two (2) visiting assistant professors in pure mathematics, to begin in Fall 2025. These positions are open to candidates in all areas of pure mathematics, but preference will be given to candidates whose research is closely related to that of current faculty in the department. Visiting assistant professor positions are renewable for up to three years.

Visiting assistant professors are expected to teach a variety of courses at both the graduate and undergraduate level, and to engage in active research. In addition to these activities, tenure-track faculty are also expected to advise graduate students and contribute to the department through service.

About CWRU:

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.

Qualifications:

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.

Application Instructions:

Candidates should submit 1) a letter of application, 2) a curriculum vitae, 3) a statement of current and future research plans, 4) a statement of teaching philosophy and experience, and 5) the candidate should arrange for three letters of recommendation to be submitted directly by the writers, at least one of which should address teaching. Case Western Reserve University and the Department of Mathematics, Applied Mathematics and Statistics value activities that support diversity and inclusion, and we invite applicants to describe such activities in their submitted materials.

All application materials should be submitted electronically through the **following LINK**. Review of applications will begin **November 11** and continue until all positions are filled. General correspondence about these positions should be sent to Prof. Nick Gurski, Search Committee Chair, at nick.gurski@case.edu.

Member
Institution

**POSITION AT
WAKE FOREST UNIVERSITY**

The Wake Forest University Department of Mathematics is seeking applications for one Assistant Teaching Professor position in Mathematics beginning July 2025.

The successful candidate will be well prepared to become a leader in teaching introductory and intermediate math classes, and will actively engage with undergraduate students both inside and outside of the classroom. Such leadership and engagement may include developing new or updated curricula, mentoring research projects, effecting pedagogical innovation, mentoring teaching, or organizing introductory courses with multiple sections. We invite candidates to describe ways in which their leadership could contribute to the department in their cover letter. The tenant of the position will be expected to be an engaged member of the department and of the profession. 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 mathematics and the sciences. A Ph.D. in Mathematics, Mathematics Education, or a related area is required.

The teaching load for this position is three courses per semester, consisting primarily of introductory and intermediate classes. This position is not eligible for tenure, but it is eligible for promotion to Associate and Full Teaching Professor and for renewal with progressively longer-term contracts. Teaching Professors at Wake Forest are eligible for all of the same professional rights and resources afforded tenure track faculty except research leaves. This includes professional development support, such as departmental and college travel funds.

The department has twenty-eight faculty members. We offer B.A. and B.S. degrees in Mathematics and B.S. degrees in Applied Mathematics. We also have a mathematics minor. The department has a graduate program offering an M.S. in Mathematics with both a thesis and non-thesis option. In addition, the department currently supports five postdoctoral positions which are mentored by our permanent research faculty. For further details about the Department of Mathematics at Wake Forest University, please see math.wfu.edu.

Wake Forest University is a private institution dedicated to academic excellence in liberal arts, as well as graduate and professional education. The university is among the top 50 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 cover letter, a curriculum vitae, a teaching statement, graduate transcripts, and three letters of recommendation, at least two of which largely address teaching. Applications will be accepted until the position is filled, but to guarantee full consideration, applications should be complete by **December 13, 2024**. Applicants are encouraged to post materials electronically at <https://www.mathjobs.org/jobs/jobs/25197>. Wake Forest University is an AA/EQ employer and values an inclusive and diverse learning community and campus climate.

POSITION AT UNIVERSITY OF CINCINNATI

Current UC employees must apply internally via SuccessFactors > <http://bit.ly/UCEMPL>

Founded in 1819, the University of ranks among the nation's best urban public research universities. Home to 53,235 students, more than 11,000 faculty and staff and 350,000+ living alumni, UC combines a Top 35 public research university with a physical setting The New York Times calls "the most ambitious campus design program in the country."

With the launch of Next Lives Here, the Innovation District, a \$100 million JobsOhio investment, three straight years of record enrollment, worldwide leadership in cooperative education, a dynamic academic health center and entry into the Big 12 Conference, UC's momentum has never been stronger. UC's annual budget stands at \$1.85 billion, and its endowment totals nearly \$1.8 billion.

Job Overview

Applications are invited for a tenure-track Assistant Professor position in statistics within the Department of Mathematical Sciences, which offers BS, MS and PhD degrees in statistics through its Division of Statistics and Data Science. We seek candidates in research areas in statistical methods for big data, including but not limited to high dimensional data analysis, statistical machine learning, computational statistics, and uncertainty quantification, with strong applications to big data such as imaging data, spatial data, network data, and genomics data. Candidates in all other areas of statistics will also receive full consideration.

The appointment is expected to begin on August 15, 2025. Review of applicants will begin on December 2, 2024, but the position will remain open until filled.

The standard teaching load for research-active faculty is six credit hours per semester. New faculty receive a 25% teaching reduction and reduced service role in each of the first two years.

The department is dedicated to excellence in both research and teaching. Statistics faculty in the department are involved in both methodological and interdisciplinary research. They have diverse areas of research interests, which include scalable Bayesian methods, spatial statistics, and statistical methods for massive or complex data, in general, and high-dimensional data analysis, statistical machine learning, uncertainty quantification, statistical genomics, analysis of network data and survey sampling, in particular.

Essential Functions

- Maintaining an active research program in statistics.
- Mentoring graduate and undergraduate students.
- Teaching both graduate and undergraduate courses in statistics.
- Filling service roles for the university and statistics community, such as serving as peer reviewer for statistics journals, participating in department and college committees including but not limited to undergraduate students advising, graduate students advising and exam committees.

Minimum Qualifications

- Prior to the date of appointment, a PhD degree in Statistics or a closely related field with a focus on statistics.

Application Process

Candidates *must* submit a statement about teamwork (maximum one page) in their application on the University of recruitment system (@ <https://jobs.uc.edu>, search Requisition # 97235), and upload the following documents either on Mathjobs.org (@ <https://www.mathjobs.org/jobs/list/25162>), or to the UC recruitment system:

- Cover letter.
- Copy of curriculum vitae.
- Description of research.
- Description of teaching experience (if applicable) and philosophy.

Candidates must also arrange to have three confidential letters of recommendation submitted via mathjobs.org, or sent via email to nancy.diemler@uc.edu.

FOR ALL FACULTY HIRES OFFICIAL ACADEMIC TRANSCRIPTS WILL BE REQUIRED AT THE TIME OF HIRE.

Compensation and Benefits

UC offers a wide array of complementary and affordable benefit options, to meet the financial, educational, health, and wellness needs of you and your family. Eligibility varies by position and FTE.

Competitive salary range dependent on the candidate's experience. Comprehensive insurance plans including medical, dental, vision, and prescription coverage. Flexible spending accounts and an award-winning employee wellness program, plus an employee assistance program. Financial security via our life and long-term disability insurance, accident and illness insurance, and retirement savings plans. Generous paid time off work options including vacation, sick leave, annual holidays, and winter season days in addition to paid parental leave. Tuition remission is available for employees and their eligible dependents. Enjoy discounts for on and off-campus activities and services. As a UC employee, and an employee of an Ohio public institution, if hired you will not contribute to the federal Social Security system, other than contributions to Medicare. Instead, UC employees have the option to contribute to a state retirement plan (OPERS, STRS) or an alternative retirement plan (ARP).

To learn more about why UC is a great place to work, please visit our careers page at <https://www.uc.edu/careers.html>.

For questions about the UC recruiting process or to request accommodations with the application, please contact Human Resources at jobs@uc.edu.

The University of is an Equal Opportunity Employer.

mathalliance@purdue.edu | www.mathalliance.org

This ad has been abbreviated to fit the page. You can see the ad in its entirety on our website.

POSITION AT PURDUE UNIVERSITY INDIANAPOLIS

Assistant or Associate Professor of Practice in Indy - Mathematics

The Department of Mathematics in the College of Science at Purdue University invites applications for multiple appointments as Professor of Practice in Mathematics at Purdue University Indianapolis to begin in August 2025. These appointments will be at the level of Assistant or Associate Professor of Practice.

Purdue University in Indianapolis is a new, fully integrated expansion of the West Lafayette campus, extending to central Indiana the academic rigor and accessible excellence for which Purdue is known. As the state's only public top 10 university, most trusted university and most innovative university, Purdue is focused and committed to strengthening its presence in Indiana's industrial and technological center. Purdue in Indianapolis is creating an innovative, STEM-based collegiate experience by connecting future-ready Purdue students and faculty in Indianapolis to local businesses to accelerate Indiana's STEM pipeline and tech ecosystem, fueling impact for our region and the world. Learn more about Purdue's latest giant leap at <https://www.purdue.edu/campuses/indianapolis/>. For more information about our department, see <https://www.math.purdue.edu/>.

These positions are non-tenure track faculty positions with multi-year contracts, a promotion track, and a focus on undergraduate teaching and course administration. Duties will typically consist of teaching 5-6 courses in Indianapolis each academic year, including large-lecture courses, course coordination, and/or other related administrative activities. Successful applicants will have a documented record of effective teaching, the ability to teach a range of courses in the undergraduate curriculum, a commitment to teaching, mentoring, and interacting with undergraduate students (including those traditionally underrepresented in mathematics), and a willingness to observe classes and provide teaching guidance to new instructors. Candidates should specifically note in their application any experience they have had with teaching large-lecture Calculus classes, teaching undergraduate courses beyond Calculus, coordinating learning management or online homework systems, implementing innovative teaching methods, and any other unique teaching qualifications. Candidates must have a PhD (or its equivalent) in mathematics or a closely related field by the start of the appointment. Teaching experience after obtaining a PhD will be viewed favorably.

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

Applications should be submitted online through www.mathjobs.org and should include (1) the AMS cover sheet for academic employment, (2) a cover letter, (3) a curriculum vitae, (4) a teaching statement, and (5) at least three letters of recommendation focused on the candidate's teaching qualifications. In addition, for purposes of equity, to be considered for the position, applicants will also need to create a profile 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. Application review will begin on **November 15, 2024** and will continue until the positions are filled.

A background check will be required for employment in this position.

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

POSITION AT MASSACHUSETTS INSTITUTE OF TECHNOLOGY

C.L.E. Moore Instructor (in Pure Mathematics), Instructor (in Applied Mathematics or Statistics)

These 3-year positions, starting September 2025, are open to mathematicians who show outstanding abilities and exceptional potential in research. Applicants with PhD's after January 2024 are strongly preferred. Appointees will be expected to fulfill teaching duties (one subject or two recitations per semester) and pursue their own research program. We request that applications and other materials, including (a) curriculum vitae (including publication list), (b) research statement, (c) teaching statement, and (d) three letters of recommendation, be submitted online at www.mathjobs.org. It is highly recommended that one of the letters is written specifically to discuss your teaching abilities, experience and/or potential. Applications must be complete by **December 1, 2024** to receive full consideration.

The Department of Mathematics offers supportive mentorship to junior faculty and instructors, an exceptional environment for mathematical inquiry, and a strong commitment to an inclusive, welcoming culture.

Click here for additional information about the MIT math department.

For full consideration, applications for all positions should be received by **December 1, 2024**.

In addition, the School of Science at MIT is offering new 3-year Postdoctoral Fellowships, specifically aimed at scholars engaged in cross-disciplinary research. For more information about these Fellowships (deadline **November 8, 2024**), **click here**.

MIT is an equal employment opportunity employer. We value diversity and strongly encourage applications from individuals from all identities and backgrounds. All qualified applicants will receive equitable consideration for employment based on their experience and qualifications and will not be discriminated against on the basis of race, color, sex, sexual orientation, gender identity, pregnancy, religion, disability, age, genetic information, veteran status, or national or ethnic origin. See MIT's **full policy** on nondiscrimination. **Know your rights**.

MIT considers equivalent combinations of experience and education for certain jobs. All candidates who believe they possess equivalent experience and education are encouraged to apply.

Employment is contingent upon the completion of a satisfactory background check.

Apply Link: <https://www.mathjobs.org/jobs/MIT/INS>

POSITION AT MASSACHUSETTS INSTITUTE OF TECHNOLOGY

The Mathematics Department at MIT is seeking to fill positions in Pure and Applied Mathematics at the level of tenure-track Assistant Professor or higher beginning July 1, 2025 (for the 2025-2026 academic year, or as soon thereafter as possible). Appointments are based primarily on exceptional research qualifications. Appointees will be required to fulfill teaching duties and pursue their own research program. PhD in Mathematics or related field required by employment start date.

The Department of Mathematics offers supportive mentorship to junior faculty and instructors, an exceptional environment for mathematical inquiry, and a strong commitment to an inclusive, welcoming culture. MIT is an equal opportunity employer. We value diversity and strongly encourage applications from individuals from all identities and backgrounds. All qualified applicants will receive equitable consideration for employment based on their experience and qualifications, and will not be discriminated against on the basis of race, color, sex, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, ancestry, or national or ethnic origin.

We request that applications and other materials, including (a) curriculum vitae, (b) publication list (if possible with hyperlinks), (c) research statement, (d) a broader impact statement, and (e) three letters of recommendation be submitted online at www.mathjobs.org. The broader impact statement can cover any of the following topics: teaching and educational efforts, mentoring, and/or service to community. It is highly recommended that one of the letters is written specifically to discuss your teaching abilities, experience and/or potential. To receive full consideration, applications must be complete by **November 1, 2024**.

Click here for additional information about the MIT math department.

Employment is contingent upon the completion of a satisfactory background check, including verifying any finding of misconduct (or pending investigation) from prior employers.

Employment is contingent upon the completion of a satisfactory background check, including verifying any finding of misconduct (or pending investigation) from prior employers.

Apply Link: <https://www.mathjobs.org/jobs/MIT/FAC>

POSITION AT CARNEGIE MELLON UNIVERSITY

Position Description

The Department of Mathematical Sciences at Carnegie Mellon University invites applications for a tenure-track position to begin September 1, 2025. The position is intended at Assistant Professor level, but exceptional candidates of any rank may be considered. This search will focus on the areas of mathematics of optimization, mathematical foundations of machine learning and AI, and AI for mathematics, broadly construed. Through this appointment the Department hopes to enhance our existing connections with the School of Computer Science, the Department of Statistics and Data Science, the Tepper School of Business, or the Hoskinson Center for Formal Mathematics or develop new connections.

Qualifications

Preference will be given to candidates with research expertise in the areas of mathematics with ties to AI and machine learning including high-dimensional probability and analysis, optimization, and computer-assisted mathematics, including the use of proof assistants. Demonstrated experience in mentoring students is desirable. Interest in advancing interdisciplinary endeavors is valued.

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 historically 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 1, 2024**. 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.

Equal Employment Opportunity Statement

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.

POSITION AT CARNEGIE MELLON UNIVERSITY

Position Description

The Department of Mathematical Sciences at Carnegie Mellon University invites applications for an open rank position to begin September 1, 2025. This search will focus on the area of mathematical finance, broadly construed. The Department has long-standing strength in this area, both in research and education. It plays a leading role in interdisciplinary educational programs in computational finance at the bachelor's and master's levels. The successful candidate will be involved in the governance of the Bachelor of Science in Computational Finance (BSCF) program.

Qualifications

Preference will be given to candidates with research background in stochastics and those who have demonstrated experience in mentoring students. 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, 2024. 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.

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POSITION AT CLAREMONT MCKENNA COLLEGE

Title: Assistant Professor in Mathematics

Category: Tenure-track

Institution: Claremont McKenna College

Department: Mathematical Sciences Department

Department URL: <http://www.claremontmckenna.edu/math/>Posting URL: [https://webapps.cmc.edu/jobs/faculty/faculty_opening_detail.php?](https://webapps.cmc.edu/jobs/faculty/faculty_opening_detail.php?PostingID=17066)[PostingID=17066](https://webapps.cmc.edu/jobs/faculty/faculty_opening_detail.php?PostingID=17066)**Description:**

The Department of Mathematical Sciences at Claremont McKenna College (CMC) invites applications for a tenure-track position, at the early assistant professor level in Mathematics, in particular, in the areas of Analysis, Geometry, or Number Theory. The position will begin on July 1, 2025. The successful candidate is expected to hold a Ph.D. by the time of the appointment.

The successful applicant will teach mathematics courses offered by the Department of Mathematical Sciences. The teaching load is two courses per semester. The candidate must have a demonstrated ability to maintain an independent, 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 opinions, genders, races, ethnicities, nationalities, sexual orientations, and religions. Moreover, as part of its commitment to The Open Academy, the College values freedom of expression, viewpoint diversity, and constructive dialogue.

Applications should include a cover letter; curriculum vitae; detailed research statement; teaching statement that addresses the candidate's ability to teach, mentor, and inspire students representing a broad range of backgrounds; evidence of teaching effectiveness; and a list of publications.

Approximate salary range:
\$95,000 - \$105,000

Applications must be submitted electronically at MathJobs.Org.

Please use the following link to apply directly using the Math Jobs portal:

<https://www.mathjobs.org/jobs/list/24827>

Complete applications, including three or more letters of recommendation, will be reviewed beginning **November 15, 2024**. Review of complete applications will continue until the position is filled. Preliminary interviews will be conducted via Zoom.

Claremont McKenna College is a highly selective undergraduate institution ranked among the top liberal arts colleges nationally. It is part of The Claremont Colleges, which also includes Pomona College, Scripps College, Harvey Mudd College, Pitzer College, Claremont Graduate University, and Keck Graduate Institute. The Claremont Colleges consortium constitutes an academic community of more than 9,000 students. Claremont is located 35 miles east of downtown Los Angeles.

The Claremont Center for the Mathematical Sciences (CCMS) at Claremont aims to promote excellence in research and teaching in mathematical sciences by combining the resources of the individual members of the Claremont Colleges consortium for the benefit of the extended mathematical community. It unites under its auspices an active community of over 50 mathematicians, fosters exchange of ideas and collaboration and supports a weekly mathematics colloquium and a full range of regular research seminars.

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.

POSITION AT CLAREMONT MCKENNA COLLEGE

Title: Assistant / Associate Professor in Data Science

Category: Tenure-track

Institution: Claremont McKenna College

Department: Mathematical Sciences Department

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

Posting URL: https://webapps.cmc.edu/jobs/faculty/faculty_opening_detail.php?PostingID=17068

Description:

The Department of Mathematical Sciences at Claremont McKenna College (CMC) invites applications for a Tenure-Track Assistant Professorship/Tenured Associate Professorship in Data Science. The position will begin on July 1, 2025. The successful candidate is expected to hold a Ph.D. by the time of the appointment.

The successful applicant will teach courses in computer and data science at all levels 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 opinions, genders, races, ethnicities, nationalities, sexual orientations, and religions. Moreover, as part of its commitment to The Open Academy, the College values freedom of expression, viewpoint diversity, and constructive dialogue.

Approximate salary range:
\$95,000 - \$145,000

Application must be submitted electronically at MathJobs.Org or AcademicJobsOnline.Org.

Please use the following links below to apply to the position on either MathJobs or Academic Jobs Online.

<https://www.mathjobs.org/jobs/list/24828>

<https://academicjobsonline.org/ajo/jobs/27896>

Applications should include a cover letter; curriculum vitae; research statement; teaching statement that addresses the candidate's ability to teach, mentor, and inspire students representing a broad range of backgrounds; evidence of teaching effectiveness; and a list of publications.

Complete applications, including three or more letters of recommendation, will be reviewed beginning **November 1, 2024**. Review of complete applications will continue until the position is filled. Preliminary interviews will be conducted via Zoom.

Claremont McKenna College is a highly selective undergraduate institution ranked among the top liberal arts colleges nationally. It is part of The Claremont Colleges, which also includes Pomona College, Scripps College, Harvey Mudd College, Pitzer College, Claremont Graduate University, and Keck Graduate Institute. The Claremont Colleges consortium constitutes an academic community of more than 9,000 students. Claremont is located 35 miles east of downtown Los Angeles.

The Claremont Center for the Mathematical Sciences (CCMS) at Claremont aims to promote excellence in research and teaching in mathematical sciences by combining the resources of the individual members of the Claremont Colleges consortium for the benefit of the extended mathematical community. It unites under its auspices an active community of over 50 mathematicians, fosters exchange of ideas and collaboration and supports a weekly mathematics colloquium and a full range of regular research seminars.

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.

POSITION AT SAN JOSE STATE UNIVERSITY

The Department of Mathematics and Statistics at San José State University invites applications for one tenure-track faculty position in Mathematics Education at the rank of Assistant Professor, to begin in Fall of 2025. We seek applicants with demonstrated evidence of excellence in teaching at the university level, outstanding research potential and potential for securing grants related to mathematics education, and a commitment to department service. **Deadline: November 7, 2024.**

For a more detailed description and to apply, the position can be found at:

<https://jobs.sjsu.edu/en-us/job/543359/assistant-professor-of-mathematics-education>

POSITION AT BARNARD COLLEGE

Job: Assistant Professor of Mathematics

Position Description:

The Department of Mathematics at Barnard College invites applications for two tenure-track faculty positions at the rank of Assistant Professor to begin July 1, 2025. Candidates in all fields of pure mathematics are encouraged to apply. All candidates should have a PhD degree, an outstanding record in research, and be committed to excellence in teaching. Duties include research, service, and teaching at the undergraduate and graduate levels.

Application Requirements:

Applicants must submit a cover letter, teaching and research statements, a curriculum vitae, a list of publications, and 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.

The deadline for applications is December 1, 2024, and preference will be given to those who submit by November 20, 2024. Apply at:

https://barnard.wd1.myworkdayjobs.com/en-US/Faculty/job/Assistant-Professor-of-Mathematics_JR4102

Letters of Reference will be requested shortly following your application. Please be prepared to share the names and contact information for three professional references. They will then be contacted directly via Workday to submit your reference.

Salary: \$85,000 - \$133,000 annually

The salary of the finalist selected for this role will be set based on a variety of factors, including but not limited to departmental budgets, qualifications, experience, education, licenses, specialty, and training. The above hiring range represents the College's good faith and reasonable estimate of the range of possible compensation at the time of posting.

Barnard College is an historically women's college in New York City affiliated with Columbia University. We are an Equal Opportunity Employer and are actively committed to creating a diverse and inclusive community. Barnard does not discriminate due to race, color, creed, religion, sex, sexual orientation, gender and/or gender identity or expression, marital or parental status, national origin, ethnicity, citizenship status, veteran or military status, age, disability, or any other legally protected basis, and to the extent permitted by law. We encourage applications from women, people of color, persons with disabilities, LGBTQ people, and individuals from other underrepresented groups.