



## Upcoming Events

### ADJOINT Workshop

Berkeley, CA  
Jun. 20- Jul. 1, 2022

### MAA MATHFEST 2022

Philadelphia, PA  
Aug. 3-6, 2022

### STATFEST 2022

Virtual  
Sept. 17, 2022

### 2022 Field of Dreams Conference

Minneapolis, MN  
Nov. 4- 6, 2022

## Thoughts from the Director...



**David Goldberg**  
Executive  
Director of the  
Math Alliance

We've crossed over into summer, officially, and I hope everyone is enjoying all the opportunities this brings to participate in activities that the season brings. You probably noticed the recent message announcing the cancellation of the summer Career Paths Workshop. Originally, I thought I might spend most this space discussing the reasons for that, and the challenges it poses for us. But rather than dwell on something negative, I thought we could look forward with some optimism to the fall.

Remember, we will be holding the Field of Dreams Conference as an in-person meeting November 4-6 in Minneapolis, and it will be great to have our community come together again after two years of virtual meetings. I am happy to say we have finalized our three major speakers for this year's Field of Dreams Conference, and it is a fantastic line-up. Our Math Sciences Lecturer will be Michael Young of Carnegie Mellon University. The Kathryn Chaloner Memorial Lecture in the Statistical Sciences and their Applications will be delivered by Kimberly Sellers of Georgetown University. Finally, as announced before, our Keynote Speaker at the conference banquet will be Federico Ardila, of San Francisco State University. Our Agenda Committee worked hard to select these speakers, and I know continues to work hard in finalizing the remainder of the agenda. I'll also remind you that the current plan is that only F-GAP Scholars will be invited to this year's conference. So, Mentors, please be sure to nominate students for the [F-GAP](#) program, which is continuing to ramp up over the summer. If you know a student (either at your institution, or one you know through other professional activities) who meets our [criteria](#), who you think should be thinking about applying to graduate programs for the fall of 2023, then they should be in F-GAP. We know it has been harder to get to know students the last couple of years with students and faculty remote from each other. We hope you'll all make a little extra effort, particularly with summer programs now in full swing, to help identify potential F-GAP students.

The times we are living through continue to challenge us in new, interesting, and not always pleasant ways. Speaking for myself only, these last two years plus compete very strongly for the most difficult period of my life, and I know from talking to colleagues that many feel the same way. I just want to urge us all to continue to support each other, and especially our Math Alliance Scholars. One thing that continues to bring me up is the strength and commitment of our community to the work of creating a more diverse and inclusive quantitative science profession. Even as we resume our activities, we have to be there for each other. I know among those activities that are resuming, the ones associated with the Math Alliance, and particularly the Field of Dreams Conference, are the ones I am looking forward to the most.

## Javier Rojo appointed Associate Director for Biostatistics and Data Science



We are pleased to announce that Javier Rojo, Professor of Epidemiology and Biostatistics, and a Dean's Eminent Scholar at Indiana University, has agreed to serve as the Math Alliance Associate Director for Biostatistics and Data Science.

Professor Rojo is very well known in the quantitative science community for his outstanding research and efforts to enhance diversity in a broad range of STEM fields. For many years he has been the Director of the [RUSIS program](#), which was recognized with the [2014 AMS Programs that Make a Difference Award](#).

He is the recipient of many awards, including the 2018 Etta Z. Falconer Award, the 2020 SACNAS Distinguished Scientist Award, and the 2010 ASA Don Owen Award. He has served the profession in several capacities, including a term as a Program Director at NSF.

As we expand and grow our relationship with biostatistics programs, computational life science programs, and industries (like pharmaceuticals and materials manufacturing), where biostatistics and data science play such a critical role, we are lucky to have someone with the breadth of knowledge and experience of Professor Rojo to provide us with advice and direction. Welcome aboard!!

## 2023-24 IAS School of Mathematics Applications Now Open!

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

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

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

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

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

## June/July

[MSRI Addresses the Challenge](#) by Hélène Barcelo\* and Michael F. Singer\*

[Optimal Strategies and Rules for the Game of Horse](#) by Daniel Rosenthal\* and Jeffrey S. Rosenthal

AMS Updates: [Ryan Hynd\\* Receives 2022-23 Claytor-Gilmer Fellowship](#)

[Bianca Viray\\* Receives 2022-2023 Birman Fellowship](#)

[New Poster Celebrates LGBTQ+ Mathematicians.](#) Featuring Ron Buckmire\*, Chris Goff, Kenan Ince, Lily Khadjavi, Luis Leyva, Matthew Pons, Colton Sawyer, Becca Thomases, Dylan Thurston, and John Voight.

[Count Me In: Community and Belonging in Mathematics](#) by Della Dumbaugh and Deanna Haunsperger\*

[Greenbaum\\* Named Kovalevsky Lecturer](#)

[Weekes\\* Named Falconer Lecturer](#)

### Awards

There were many fellowships awarded, here is the list of the winners affiliated with the Math Alliance

2022 Simons Fellows in Mathematics: David F. Anderson\*, Vaughn Climenhaga\*, Piotr Hajłasz \*, Emily Riehl\*

2021 AAAS Fellows Elected: Helene Barcelo\*.

2022 SIAM Fellows Elected: Abba B. Gumel \*, Keith Promislow\*

---

\*Math Alliance Mentor

†Math Alliance Scholar

## Items of Interest in the AMSTAT NEWS

### May

[Horton\\* Works to Improve Reproducibility, Equity as New \*JSDSE\* Editor](#)

[Sam Behseta\\*, is this year's recipient of Fullerton's 2022 Outstanding Professor Award.](#)

---

\*Math Alliance Mentor

†Math Alliance Scholar

# Fall 2022 Scientific Workshops at MSRI

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

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

## **August 25-26, 2022- Connections Workshop: Analytic and Geometric Aspects of Gauge Theory**

*Organizers: Lara Anderson (Virginia Polytechnic Institute and State Univ.), LEAD Laura Schaposnik (Univ. of Illinois at Chicago)*

## **August 29, 2022 – September 2, 2022-Introductory Workshop: Analytic and Geometric Aspects of Gauge Theory**

*Organizers: Aleksander Doan\* (Trinity College; Univ.College London), Laura Fredrickson (Univ.of Oregon), Michael Singer (Univ.College London)*

## **September 8-9, 2022- Connections Workshop: Floer Homotopy Theory**

*Organizers: Teena Gerhardt (Michigan State Univ.), Kristen Hendricks\* (Rutgers Univ.), Ailsa Keating (Univ. of Cambridge)*

## **September 12-16, 2022- Introductory Workshop: Floer Homotopy Theory**

*Organizers: Sheel Ganatra (University of Southern California), Tyler Lawson (University of Minnesota Twin Cities), Robert Lipshitz\* (University of Oregon), Nathalie Wahl (University of Copenhagen)*

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

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

## **November 14-18, 2022- Floer Homotopy Methods in Low Dimensional and Symplectic Topology**

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

*\* indicates lead organizers.*

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

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

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

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

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

# MSRI- 2023 SRiM Program Announcement

MSRI invites applications for the **2023 Summer Research in Mathematics (SRiM)** program. This program provides space, funding, and the opportunity for in-person collaboration to small groups of mathematicians, especially women and gender-expansive individuals, whose ongoing research may have been disproportionately affected by various obstacles including family obligations, professional isolation, or access to funding. Through this effort, MSRI aims to mitigate the obstacles faced by these groups, improve the odds of research project completion, and deepen their research experience.

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

## Program Eligibility

- Groups of two to six mathematicians with partial results on an established project may submit an application to the program.
- Each member of the group must have a Ph.D. in mathematics or advanced graduate standing, and at least one team member must be U.S. based.
- Each group may apply to be in residence at MSRI for a minimum of two weeks, though longer visits are possible. All members of the group must be in residence for the full duration of the visit.
- Applicants may only apply as a member of one research group.
- Participants are provided with lodging, all meals, and reimbursement of travel expenses. MSRI also has access to private sources of funding for researchers with children under age 17 to fully participate in its scientific activities.

**For full program details, visit the website: [www.msri.org/summer](http://www.msri.org/summer)**

Applications will be made through MathPrograms beginning **August 1, 2022** and require a Project Description and bio-sketch of each group member, as well as additional information (see program website for details). Applicants may only apply as a member of one research group.

- Lodging at UC Berkeley, meals and reimbursement of travel expenses will be provided.
- For participants with children, MSRI will provide funding that makes it possible for the member to fully take part in the program. This may be in the form of lodging and reimbursement of travel expenses for children who accompany the member to Berkeley, plus lodging and travel expenses for a caregiver. It may also take the form of reimbursement of additional expenses incurred if the children stay home, thus allowing the member to attend the program.

The deadline for application will be **November 1, 2022**. Decisions will be announced in **mid-December 2022**.

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

## Forthcoming Compendium from 2021 MSRI Workshop on Mathematics and Racial Justice

In June of 2021, MSRI held a virtual *Workshop on Mathematics and Racial Justice*, which convened nearly 300 mathematicians, statisticians, computer scientists, and STEM educators to critically examine the role that mathematics plays in today's movement for racial justice. A free and publicly available compendium on the workshop is expected to be released on the occasion of Juneteenth 2022.

Mathematics is often viewed as one of the main tools responsible for scientific progress, and developments in mathematics are behind some of society's most significant technological advancements. While mathematics has been used to push society forward, there are also well documented instances of mathematics being used as a tool of racial oppression. The inequities faced by the Black community have become more and more difficult to ignore, and mathematicians have increasingly been answering the call to engage with issues of social justice within their research, their teaching, and in the broader scientific community. This workshop and the resulting compendium are a part of this movement and make the distinct contribution of centering issues of mathematics and racial justice, with focus on the Black community.

The 2021 keynotes by Robert Berry (University of Virginia) and Rediet Abebe (University of California, Berkeley) set the stage for this volume: Berry, by presenting a historically-informed view of the way mathematics education as it is often implemented dehumanizes people of color, and Abebe, by demonstrating the power of data and computer science to study social problems and guide their solutions. Following their contributions, the workshop was divided into four primary thematic areas, which have also guided the organization of this compendium: Bias in Algorithms and Technology; Public Health Disparities; Racial Inequities in Mathematics Education; and Fair Division, Allocation, and Representation.

The 2021 workshop was organized by Omayra Ortega (Sonoma State University), Robin Wilson (California State Polytechnic University, Pomona), Caleb Ashley (Boston College), Ron Buckmire (Occidental College), Duane Cooper (Morehouse College), and Monica Jackson (American University) and supported by the American Mathematical Society (AMS), the Center for Minorities in the Mathematical Sciences (CMMS), the Mathematical Sciences Research Institute (MSRI), the National Association of Mathematicians (NAM), the National Science Foundation (NSF), and the Society for Industrial and Applied Mathematics (SIAM).

**Virtual**



# STATFEST 2022

## A Conference for Undergraduate Students

*Organized by the American Statistical Association's  
Committee on Minorities in Statistics*

**Saturday  
September 17, 12pm ET**

**Join us!**



StatFest encourages historically underrepresented undergraduate students to consider careers and graduate studies in the statistical sciences.

Enjoy one packed half day of discussion panels and talks from established professionals, academic leaders, and current graduate students.

**Cost**

**FREE**, registration required

**Questions?**

Contact co-chairs:

Dr. Therri Usher

[therri.usher@fda.hhs.gov](mailto:therri.usher@fda.hhs.gov)

Dr. Brittney Bailey

[bebailey@amherst.edu](mailto:bebailey@amherst.edu)

**More**

**Information**

<https://community.amstat.org/cmis/events/statfest/statfest-2022>

**Southwest Center  
for Arithmetic Geometry**

**Department of Mathematics  
The University of Arizona®**

**PRELIMINARY ARIZONA WINTER SCHOOL - FALL 2022**

**VIRTUAL SCHOOL ON NUMBER THEORY**

**Ronnie Nagloo - *Introduction to Model Theory with Applications***

**Padmavathi Srinivasan - *Heights in Diophantine Geometry***

**OCTOBER 3<sup>RD</sup> - NOVEMBER 11<sup>TH</sup>, 2022**

**Apply by July 15th, 2022  
at <http://swc.math.arizona.edu/>**

**Funded by the National Science Foundation**

# 2022 UConn Sports Analytics Symposium (UCSAS)

Saturday, October 8, 2022

<http://uconnsportsanalytics.org/>

Back in-person and supported by the NSF in 2022, the UCSAS focuses specifically on students (graduate, undergraduate, and pre-college) who are interested in sports analytics. Organized by the UConn Statistical Data Science Lab of the Department of Statistics, UCSAS aims to: 1) showcase sports analytics to students at an accessible level; 2) train students in data analytics with application to sports data; and 3) foster collaboration between academic programs and the sports industry.

## Keynote Presentations

- Kathy Evans (Tentative), Vice President, Research and Information System, Monumental Basketball “A Review of Causal Inference in Sports”
- David Bergman, Associate Professor, University of Connecticut “Integration of Analytics Techniques for Algorithmic Sports Betting”

## Panel Discussion: Sports Data Science Competitions

- Alison Lukan (moderator), Seattle Kraken Contributor and TV Analyst for Root Sports.
- Michael Lopez, Senior Director of Football Data and Analytics, National Football League.
- Brendan Kumagai, MS Student in Statistics, Simon Fraser University (2022 Big Data Bowl Winner).
- Megan Risdal, Product Manager, Kaggle.
- Asmae Toumi, Director of Analytics, PursueCare (2021 Big Data Bowl Winner).

**SMT Data Challenge** The newly added data challenge is sponsored by SportsMedia Technology (SMT), an industry leader in sports data collection and visualization. SMT has provided anonymized in-game player and ball location data for multiple minor league teams over multiple seasons. The goal of the data challenge is to analyze an aspect of player movement (e.g., baserunning, movement while fielding, backing up a play) within this spatiotemporal dataset. The submission deadline is Monday, August 1 at 11:59pm. Finalists selected by the data challenge judging committee will be invited to present their works in the poster session with travel support, and the winner will be announced at the closing ceremony.

**Poster Session** A virtual poster session is scheduled for 11:30–13:30. We invite submissions from all, especially students (pre-college, undergraduate, or graduate, with travel support), with interesting works on any topics of sports analytics. The submission deadline is 11:59 pm, Friday, September 30, 2022. A student poster award, decided by the Student Poster Award Committee, will be presented at the closing ceremony.

**Training Workshops** Six 50-minute workshops are offered in three concurrent tracks during 13:45–15:35. They provide trainings from jumpstart to advanced sports analytic skills.

	Introductory Track	Intermediate Track	Advanced Track
13:45–14:35	Introduction to R	Hockey Analytics	Web Scraping for Sports Data
14:45–15:35	Introduction to Python	Baseball Analytics	TensorFlow in Sports Analytics

**Registration** The symposium is open to anyone with an interest in sports analytics. The registration fee is minimal (\$5 for students and \$10 for non-students) to get an accurate count for planning and logistics.

**Sponsorship** Depending on the contribution level, sponsors will be recognized through customary channels, including names of sub-events. Please contact Dr. Jun Yan ([jun.yan@uconn.edu](mailto:jun.yan@uconn.edu)) for details.



## SMT DATA CHALLENGE

For this data challenge, your goal is to analyze an aspect of player movement (e.g. baserunning, movement while fielding, backing up a play) for minor league baseball players. SMT has provided in-game player and ball location data for multiple teams over multiple seasons. This spatiotemporal information can fuel a thoughtful analysis to answer questions that are difficult or impossible to answer with manually collected data or subjective observation. Since this challenge provides the opportunity to work with previously unavailable player tracking data, your analysis should involve player motion; this includes any topic that uses player location data over time. Below are a few example topics.

### | BASERUNNING

- How could you evaluate a batter's chance to advance to second base on a ball in play? Or, for a runner on first base, the chance to advance from first-to-third on a single or first-to-home on a double?
- What circumstances are most likely to induce pickoff throws? Given a situation involving pickoff throws, what baserunner behavior is most likely to result in a stolen base? A successful pickoff?
- How would you evaluate a baserunner's ability to read a ball in play?

### | FIELDING

- When a ball in play reaches the outfield, what aspects of fielding are most important in preventing a baserunner from advancing, or a batter from taking extra bases?
- How would you evaluate a player's fielding ability in the context of judgment and risk-taking? For example, how would you compare a player who attempts and fails to make a difficult play (possibly leading to an error) to a player that does not attempt to make a play?
- How would you evaluate a fielder's ability to read a ball in play?
- What attributes are most important to fielding and assisting on infield groundouts? Double plays?

### | GENERAL

- How could you estimate expected runs throughout the course of a play based on player and ball locations and use that to evaluate player baserunning and fielding?
- Which baserunning and fielding abilities are most predictive or most consistent from season to the next?

We emphasize that this list is not exhaustive, and participants should feel free to study an aspect of player movement that interests them.

### | REGISTRATION

Participants can register a team of up to four people at the [SMT Data Challenge Registration Page](#)

### | SUBMISSION REQUIREMENTS

Please submit

- A short paper on your study in PDF format (max: 3000 words)
- A GitHub repo link containing code files and .csv files with results

Submissions are due by Monday August 1, 11:59pm Eastern Daylight Time.

### | JUDGING CRITERIA

A panel of judges from across academia and the sports industry will judge your submissions based on the following:

- How original is the analysis?
- How applicable is the analysis?
- How appropriate were the methods used?
- How well did you communicate your findings? This includes both written text and visualizations. How did the use of facts, data-supported narratives, anecdotes, visual aids, etc. buttress storytelling?

We will notify winners in early September.



# MATH ALLIANCE PARTNER INSTITUTION

## Presidential Postdoctoral Fellowship in Mathematical Biology Position Announced at Arizona State University

### Presidential Postdoctoral Fellowship in Mathematical Biology (Job #92397)

The School of Mathematical and Statistical Sciences (SoMSS) at Arizona State University (ASU) invites applications for up to 2 postdoctoral scholar positions in the area of mathematical biology.

The School of Mathematical and Statistical Sciences, part of The College of Liberal Arts and Sciences, invites applications for two Presidential Postdoctoral Fellow positions, with an anticipated start in the 2022-2023 academic year. Fellows will conduct research in mathematical biology, with a faculty mentor in the School of Mathematical and Statistical Sciences. The Fellows' activities will include production of relevant scholarly products, contributions to grant proposals, participation in the School's seminars, teaching up to two courses per year, and mentoring of students. Fellows will bring life experiences and expertise that promote diverse representation in the mathematical sciences. With grants from the National Science Foundation, National Institutes of Health, Department of Defense, National Security Agency and more, our mathematics and statistical sciences faculty are leading game-changing research, training and education projects. In particular, mathematical biology at ASU has a world-class reputation in mathematical ecology, epidemiology, neuroscience and medicine.

### Qualifications and Characteristics

#### Minimum qualifications

- PhD in mathematics, applied mathematics or a closely related area by August 10, 2022.
- Demonstrated potential for excellence in research and teaching.
- Demonstrated understanding of and potential for success working on diversity, equity and inclusiveness issues in the mathematical community

#### Desired qualifications

- A documented research record in an area that meshes with the research interests of current SoMSS' faculty members in the mathematical biology group, which includes mathematical ecology, epidemiology, neuroscience and medicine
- Demonstrated potential for establishing interdisciplinary collaborations
- Experience and/or expertise in research, teaching, mentoring, and/or service, that address disparities faced by Black communities, as well as by communities of Color

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

### Applications and Inquiries

Applications can be submitted online via <https://www.mathjobs.org>. Application materials should include (1) a curriculum vita; (2) a letter of interest describing how you meet the qualifications noted above; (3) a diversity statement addressing how your past and/or potential contributions to diversity, equity, and inclusion will advance ASU's Charter; and (4) contact information for 3 references including email addresses. **Application deadline is 4:00 pm AZ Time, Sunday, May 8, 2022.** Applications will continue to be accepted on a rolling basis for a reserve pool. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is filled.

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

A background check is required for employment.

*ASU is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. For more information on ASU's policies, please see:*

<https://www.asu.edu/aad/manuals/acd/acd401.html> and its complete non-discrimination statement at: <https://www.asu.edu/titleIX/>.

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

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



## MATH ALLIANCE MEMBER INSTITUTION

### Visiting Lecturer Position Announced at Georgia State University

The Department of Mathematics and Statistics at the downtown Atlanta campus of Georgia State University invites applications for a *visiting lecturer position* in mathematics and statistics beginning August 2022. We seek candidates who demonstrate excellence in teaching a diverse body of students, possess effective communication skills in classroom teaching and in one-on-one settings, and have a demonstrated commitment to the success of undergraduate students, preferably in a large public university setting with a diverse student population. Candidates should have a strong background in mathematics or statistics and a Ph.D. in mathematics, statistics, or a related field is required.

Duties will consist of teaching 12 contact hours per semester. Lecturers typically teach primarily lower-level undergraduate mathematics and statistics classes including, but not limited to, precalculus, elementary statistics, and calculus courses. This is a 1-year position. The salary is \$50,000 for 9 months. Summer teaching for extra pay is expected to be available in Summer 2023.

Georgia State University is a national leader in innovative instruction and the academic success of diverse populations, and the Department of Mathematics and Statistics is at the heart of many of these successes. The department currently consists of 21 tenure track faculty, 11 lecturers (of various ranks), 3 academic professionals, and 4 visiting lecturers. The department is in charge of 11 core courses and teaches the most credit hours of all departments on the downtown campus. The department offers BS, MS, and PhD degrees in mathematics and statistics.

We ask interested candidates to email their applications (as 1 pdf file) to [asmirnova@gsu.edu](mailto:asmirnova@gsu.edu) (put "VL Position Candidate" in the subject line)

The following items are required:

1. Application cover letter
2. Curriculum vitae
3. Transcripts of graduate work
4. Student evaluations and other evidence of success in teaching (if available).

Additionally, please arrange for three letters of reference (two must address your instructional abilities) to be sent directly to [asmirnova@gsu.edu](mailto:asmirnova@gsu.edu)

An offer of employment will be conditional upon background verification.

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



## MATH ALLIANCE MEMBER INSTITUTION

### Fixed Term Instructor in Mathematics Position at Michigan State University

The [Department of Mathematics](#) at [Michigan State University](#) invites applications for a fixed-term faculty position with an expected load of 6 courses per academic year split between teaching and coordinating. The department seeks candidates whose teaching or service has prepared them to contribute to our commitment to diversity and inclusion in higher education. The initial appointment, with an anticipated start date of August 16, 2022, will be for one academic year. Renewal for up to three years is anticipated based on available department funding and performance. In addition to teaching large lectures in gateway mathematics classes (ranging from quantitative literacy and college algebra through multivariable calculus), the successful candidate will also gain experience and training in coordinating instruction for large enrollment courses with multiple instructors of record. This will be done as part of a vibrant, diverse, and close-knit team of career instructional experts and mentors within the Department of Mathematics which serves over 10,000 students per year across various backgrounds and career interests.

The successful candidate must have a Master's or higher degree in mathematics, mathematics education or related field.

**Applications should be submitted via [MathJobs.org](#)**; see listing #20143.  
<https://www.mathjobs.org/jobs/list/20143> for detailed application instructions.

**A background check is required for employment.**

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

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

The evaluation process will begin on July 10, 2022, and review of applications will continue until the position is filled. Questions may be directed to the chair of the search committee, Prof. Keith Promislow ([promislo@msu.edu](mailto:promislo@msu.edu)). Applicants are encouraged to explore the MSU Department of Mathematics website at <https://math.msu.edu>.

# Non-Tenure Career Track Assistant Professor of Mathematics and Statistics Position Announced at Washington State University, Vancouver

The Department of Mathematics and Statistics at Washington State University, Vancouver invites applications for a full-time, non-tenure-track position at the rank of Assistant Professor (Teaching), Career Track faculty position.

The successful applicant will be a scholar whose field is in mathematics, applied mathematics, statistics, or a closely related field, who is strongly committed to developing quality educational experiences while also being deeply interested in mentoring and contributing to campus diversity, equity, and inclusion efforts. The position will begin on August 16, 2022, on the Vancouver campus. Screening of applications will begin on **June 3, 2022**. Questions regarding the position can be addressed to Janet DeWitt, Search Committee staff support, [jldewitt@wsu.edu](mailto:jldewitt@wsu.edu).

**Job Duties:** The teaching load is 4/4. Instruction is 80% and service is 20%. The successful applicant is expected to teach introductory-level and upper-division courses within the Mathematics and Statistics curriculum. These classes include: precalculus and calculus sequence courses, differential equations, linear algebra, probability and statistics, mathematical analysis, and other upper-division courses. Candidates must demonstrate a strong commitment to teaching and service.

## **Required Qualifications:**

- Ph.D. in Mathematics, Statistics, or a closely related field.
- Evidence of successful teaching ability at the undergraduate level and a commitment to mentoring students from diverse backgrounds
- Commitment to, knowledge of, and/or experience with WSU Vancouver's strategic goal to promote an ethical and socially just society through an intentional commitment to equity, diversity, inclusion, and belonging. (<https://www.vancouver.wsu.edu/strategic-plan>)

## **Preferred Qualifications:**

- Experience in teaching introductory and upper-division courses in mathematics, applied mathematics, and statistics Industry experience.

**Apply online at:** [https://bit.ly/Math\\_Prof](https://bit.ly/Math_Prof)