THE MATH ALLIANCE

DR. DAVID GOLDBERG
Director

We certainly live in interesting times. Climate change has given us the hottest month on record, our politics are divisive on almost every front, we can't seem to even agree on facts, and the supreme court is reversing some fundamental rights, and reshaping our sense of equity in higher education admissions. And that is just to name a few things we are going through. I think there is a place to discuss all of this and a role for the quantitative science community in helping our country find common ground. That is all too much for this space, but I look forward to us engaging in productive discussions and finding a way forward. Let's view the landscape as a challenge we can navigate together.

I have been asked several times what the recent court decision might mean for the work of the Math Alliance. Here, again, I think there is room for discussion about the best way to keep moving toward our goals in the climate that this decision creates, and I know we are going to have that discussion over the next months and even years. While there is some uncertainty, I am confident we will find the right way to build our community.

For now, however, we will keep doing what we do, because we believe it makes our profession better and actually has some impact, however small, on these much broader issues.

There is some really good news: Field of Dreams Conference **nominations** and **registration** are now open!! We are excited to be holding the conference in Atlanta, November 3-5, and Georgia State University is our co-host. I'll remind you our plenary speakers are Ariel Aloe (U. Iowa, Math Sciences Lecture), Jacqueline Hughes-Oliver (North Carolina State U., Katherine Chaloner Memorial Lecture on the Statistical Sciences and their Applications) and Johnny Houston (Elizabeth City State U., Banquet Keynote). Our agenda committee has done a great job of refining some of our previous sessions and creating some interesting and important new ones. I'll be reaching out soon to many of you to serve on panels and moderate sessions, and I look forward to many of us coming together soon. All active F-GAP students are automatically nominated for the conference, so there is no need to nominate them. However, for the first time since 2019, we will probably have room to pay for a significant number of juniors and sophomores. We are grateful to the National Science Foundation for approving a substantial 3-year grant which will help make this possible. So please nominate (non F-GAP) students you mentor to attend, please register and we will see you all there.

What's Happening Next?

- **JSM2023** Ontario, Canada Aug. 5- 10
- **STATFEST** SAS Campus Cary, NC Sept. 23
- **SIAM Great Lakes 2023** MSU Oct. 14
- **Women in Statistics and Data Science Conference** Bellevue, WA Oct. 25-27
- **2023 Field of Dreams Conference** Georgia State Univ. Nov. 3- 5

Robert Parris Moses
Congressional Gold Medal Act

I imagine you are familiar with the work of Bob Moses, and the Algebra Project. I have been working with Representative Espaillat's staff to award a Congressional Gold Medal to Bob Moses.

Robert Parris Moses is well-known to many in the mathematics community. He is regarded as an influential civil rights activist, peace activist, public education advocate, and math literacy educator. We are garnering support in Congress to award, posthumously, a Congressional Gold Medal to Bob Moses. Even if you wrote your Representative last year about joining this effort, they need to re-join now, and we ask your help in making that request.

Use this link to learn more about Bob Moses, his work, and to send a note to your Representative in Congress:

https://www.ams.org/government/getinvolved-dc#/

I *appreciate it if you share this widely with your circles; we need 2/3 of the House of Representatives to sign on!*

I put that bit in italics because—if you are willing to share something—it can be used to send to others and broadcast.

Thanks, and feel free to email questions you have.

Karen Saxe, PhD
kxs@ams.org

MATH ALLIANCE

THE F-GAP PROGRAM

Approximately 100 faculty (Math Alliance Mentors) volunteer to mentor our F-GAP students each year.

Over 800 students have participated in F-GAP since it's inception in 2013. Of the participants:

- *over 50 have earned a doctoral degree*

- *over 200 are currently in doctoral programs*

- *over 400 are currently in an MS program or have graduated with an MS degree*

For program details see the **F-GAP page** on our website.

https://mathalliance.org

DETAILS:

STUDENTS:
To participate contact a **Math Alliance Mentor**

To see if you are **eligible for F-GAP**

MENTORS:
To nominate a student, **submit a form** or use the QR code

McClure named Dean of College for Public Health and Social Justice at Saint Louis University

Professor Leslie McClure, the Chair of Drexel University's Department of Epidemiology and Biostatistics, as well as Associate Dean for Faculty Affairs has been named by St. Louis University as their new Dean of the College for Public Health and Social Justice, and she'll begin her appointment in November of 2023.

Dr. McClure is a Math Alliance Mentor, has served on the Math Alliance Executive Council (and its predecessor, the Board of Directors) since 2015 and served as Executive Council Chair from March 2020 through February 2023. As Executive Council Chair she has helped formulate much of our recent growth in scope and activity, helped with many ideas to adapt to the COVID pandemic and she continues to make great contributions as a Council Member.

You can read the **official announcement** regarding Leslie's appointment. We wish her good luck in this new endeavor and we're sure she'll have great success.
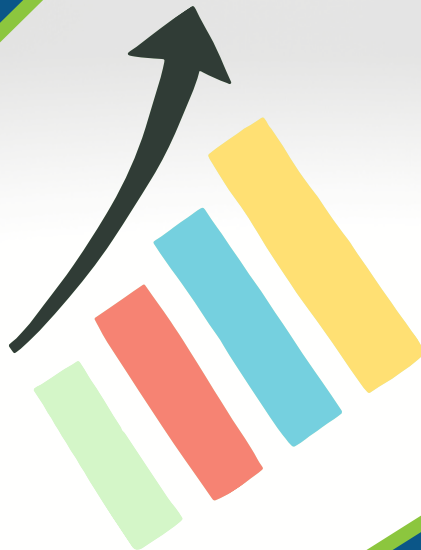
SAVE THE DATE!

SEPT 23, 2023

9 a.m. – 5 p.m. ET
SAS Campus Dr
Cary, NC

§sas

STATFEST

STAY TUNED FOR MORE INFO

ASA

StatFest is a one day, **in-person** conference, geared toward undergraduate students from historically underrepresented backgrounds with analytical interests. **Join us** to learn about the exciting career and graduate study opportunities in statistics and data science!

https://community.amstat.org/cmis/events/statfest/statfest-2023

MSRI / Simons Laufer Mathematical Sciences Institute (SLMath) Berkeley, CA

Spring 2024 Scientific Workshops at SLMath

The Simons Laufer Mathematical Sciences Institute (SLMath, formerly known as MSRI) in Berkeley, California welcomes registrations for our Spring 2024 workshops, listed below. SLMath workshops are free of charge to attend, thanks to the generous support of our funders, including the National Science Foundation. (View www.msri.org/workshops for details, as some workshop dates or information may be subject to change. An updated schedule of all talks, including online broadcasts, will be posted in advance of each event.)
* denotes lead organizer(s).

Commutative Algebra
Connections Workshop: January 18-19, 2024
Organizers: Christine Berkesch (University of Minnesota, Twin Cities), Louiza Fouli (New Mexico State University), Maria Evelina Rossi (Università di Genova), Alexandra Seceleanu* (University of Nebraska)

Introductory Workshop: January 22-26, 2024
Organizers: Srikanth Iyengar (University of Utah), Claudia Miller (Syracuse University), Claudia Polini (University of Notre Dame), Anurag Singh* (University of Utah)

Recent Developments in Commutative Algebra: April 15-19, 2024
 Organizers: Daniel Erman (University of Wisconsin-Madison), Linquan Ma (Purdue University), Karl Schwede* (University of Utah), Karen Smith (University of Michigan), Andrew Snowden (University of Michigan), Irena Swanson (Purdue University)

Noncommutative Algebraic Geometry
Connections Workshop: February 1-2, 2024
Organizers: Rina Anno (Kansas State University), Elizabeth Gasparim (Universidad Católica del Norte), Alice Rizzardo* (University of Liverpool)

Introductory Workshop: February 5-9, 2024
Organizers: Nicolas Addington* (University of Oregon), David Favero, Wendy Lowen (Universiteit Antwerp), Alice Rizzardo (University of Liverpool)

Recent Developments in Noncommutative Algebraic Geometry: April 8-12, 2024
Organizers: Arend Bayer (University of Edinburgh), Graham Leuschke (Syracuse University), Alexander Polishchuk (University of Oregon), Susan Sierra (University of Edinburgh), Spela Spenko (Université Libre de Bruxelles), Gregory Stevenson (Aarhus University)

Other Workshops
Hot Topics: Artin Groups and Arrangements - Topology, Geometry, and Combinatorics: March 11-15, 2024
Organizers: Christin Bibby (Louisiana State University), Ruth Charney (Brandeis University), Giovanni Paolini (California Institute of Technology), Mario Salvetti (Università di Pisa)

Advances in Lie Theory, Representation Theory and Combinatorics: Inspired by the work of Georgia M. Benkart: May 1-3, 2024
Organizers: Hélène Barcelo (MSRI / SLMath), Ellen Kirkman (Wake Forest University), Gail Letzter, Daniel Nakano (University of Georgia), Arun Ram (University of Melbourne)

Register Online: msri.org/workshops

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 18 (limited to US Citizens and Permanent Residents, and foreign visitors with a visa status that allows for compensation, such as a J1). See website for full details.

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

MSRI / Simons Laufer Mathematical Sciences Institute (SLMath)
Berkeley, CA

2024 Summer Research in Mathematics at SLMath

Summer Research in Mathematics (SRiM) at SLMath provides space, funding, and the opportunity for in-person collaboration to small groups of mathematicians with partial results on an established project, 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.

Eligibility: Groups of 2-6 mathematicians with partial results on an established project, with PhD 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 10 - July 12, 2024**. All group members must be in residence for the full duration of the visit.

How to Apply: Applications are hosted on MathPrograms.org beginning July 1, 2023: www.mathprograms.org/db/programs/1482

Application Deadline: The priority deadline is **October 8, 2023**. Applications will be accepted on a rolling basis after this date 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 18 (see website for restrictions) and a nursing room is available.

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

MSRI / Simons Laufer Mathematical Sciences Institute (SLMath)
Berkeley, CA

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 2024-25 research programs beginning August 1, 2023. Detailed information can be found at msri.org/application and msri.org/programs.

- [**New Frontiers in Curvature: Flows, General Relativity, Minimal Submanifolds, and Symmetry**](#) **(Fall 2024)**
- [**Special Geometric Structures and Analysis**](#) **(Fall 2024)**
- [**Probability and Statistics of Discrete Structures**](#) **(Spring 2025)**
- [**Extremal Combinatorics**](#) **(Spring 2025)**

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 to process applications. Interested candidates must apply online. To receive full consideration, applications must be complete, including all letters of support, by **October 1, 2023** (Research Professors) and **November 15, 2023** (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.
  About SLMath

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

Partner Institution

POSITION AT GEORGIA STATE UNIVERSITY

Visiting Lecturer Position at Georgia State University in Atlanta

The Department of Mathematics and Statistics at the downtown Atlanta campus of Georgia State University invites applications for 2 visiting lecturer positions in mathematics and statistics beginning August 2023. 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 at the salary of $50,000 for 9 months with a possible extension to the 2nd year at the salary of $55,000. Summer teaching for extra pay is expected to be available.

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 22 tenure track faculty, 11 lecturers (of various ranks), 3 academic professionals, and 5 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 (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/or other evidence of success in teaching (if available).

Additionally, please arrange for three letters of reference (two must address candidate's instructional abilities) to be sent directly to 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.

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 2024. 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, 2024. 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](#) at
https://www.mathjobs.org/jobs/list/22660.

Review of applications will begin on **December 1, 2023**, 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/**

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

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 October 1, 2023, to August 16, 2024. 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/22658 to be considered. A complete application includes a vita, a research statement the indicates their experience in any of the four-focus areas, and at least three 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 **August 1, 2023**, and continue until positions are filled. A background check is required for employment.

Michigan State University is an affirmative action, equal opportunity employer and is committed to achieving excellence through cultural diversity. The university actively encourages applications and/or nominations of women, persons of color, veterans, and persons with disabilities. Job applicants are considered for employment opportunities and employees are treated without regard to their race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or veteran status.

Member Institution

POSITION AT THE UNIVERSITY OF MICHIGAN

Two tenure-track positions in Statistics at the University of Michigan

The Department of Statistics at the University of Michigan, Ann Arbor, invites applications for multiple opportunities beginning August 26, 2024. We are recruiting for two tenure-track positions, one at the Assistant Professor level and one open rank. This is a university year (nine months) appointment. A Ph.D. in statistics or a related field is required. Applicants in all areas of statistics and data science who have demonstrated outstanding research accomplishments (at the senior level) or potential (at the junior level), excellence in teaching, and commitment to diversity are encouraged to apply. For applications at the Associate or Full rank, a strong track record of professional leadership and service is also expected.

To apply, submit your curriculum vitae, academic transcript if less than three years post PhD, a statement of current and future research plans, a statement of teaching philosophy and experience, evidence of teaching excellence, a statement demonstrating your commitment to diversity, equity, and inclusion, and arrange for at least three recommendation letters to be uploaded directly to mathjobs. Review of applications will begin on October 1, 2023 and continue until the position is filled. To ensure full consideration, apply for the Associate/Full Professor position at this **link** by October 1, and for the Assistant Professor position at this **link** by October 20. For more information about the department, visit **http://www.lsa.umich.edu/stats/**

We also invite applications to additional opportunities through the LSA Collegiate Fellowship (Assistant Professor level) and LSA Senior Collegiate Fellowship (Associate Professor level) program. This program recruits faculty whose research and/or teaching, and/or service contribute to diversity, equity, and inclusion in higher education. The program is open to all persons who meet the eligibility criteria, without regard to race, gender, ethnicity, or other identity characteristics. For Assistant Professors hired through this initiative, the program can provide one or two years of fellowship support prior to starting the tenure-track appointment. **The deadline is October 16, 2023.**

 For more information and to apply, visit **https://lsa.umich.edu/ncid/fellowships-awards/lsa-collegiate-postdoctoral-fellowship.html**

We strongly encourage women and members of underrepresented groups to apply. The University of Michigan is supportive of the needs of dual career couples and is an equal opportunity/affirmative action employer. All offers are contingent on successful completion of a background screening.

POSITION AT REED COLLEGE

The Reed College Department of Mathematics and Statistics invites applications for one tenure-track position in statistics at any rank to begin August 2024. Applicants should have a Ph.D. in statistics, biostatistics, data science, or a related field by the time of appointment. An Equal Opportunity Employer, Reed values diversity and encourages applications from members of underrepresented groups.

We are seeking candidates who can develop a strong research program that will effectively engage undergraduates from a wide range of academic backgrounds and interests. The successful candidate will be responsible for teaching statistics courses at the introductory and advanced levels, for helping to build a growing academic program, and for advising senior theses. The senior thesis is a cornerstone of the Reed College academic experience. It is a year-long project, required of every student, which culminates in a written document and an oral defense. Applicants are encouraged to suggest potential thesis projects and to describe any past experience mentoring students.

Reed College is a vibrant intellectual community located in Portland, Oregon. Reed students are known for their outstanding intellectual engagement and creativity, and a substantial proportion go on to pursue advanced degrees. While teaching is our primary mission, the College is very supportive of faculty research; we have start-up funding, a generous leave and sabbatical program, funding for professional travel and student research assistants, and opportunities for internal research grants.

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

Applications must be submitted through the MathJobs.org website (https://www.mathjobs.org/jobs/list/22674) and should include:

- a cover letter addressing how your teaching and scholarship are potentially suited to the liberal arts college environment,
- a CV,
- a teaching statement,
- a research statement,
- a diversity statement (optional, see previous paragraph) and
- three letters of recommendation, at least one of which addresses teaching experience or potential.

Applications will be accepted until the position is filled, but they should be received by **Friday, September 29, 2023**, to guarantee full consideration. Any questions may be directed to the chair of the search committee, David Perkinson, at davidp@reed.edu.

POSITION AT CALIFORNIA STATE UNIVERSITY, SAN BERNARDINO

The Department of Mathematics at California State University, San Bernardino (CSUSB) invites applications for a tenure-track faculty position in the area of Applied Mathematics at the rank of Assistant Professor to begin August 2024.

The successful candidate will contribute to our campus community through teaching, research, professional activities and service. Our department seeks faculty with a strong commitment to excellence in teaching at the undergraduate and master's levels, including familiarity with evidence-based effective practices for teaching mathematics and statistics, as well as the potential to foster faculty-student collaborative research. In addition, we seek candidates with the potential to engage in a robust research agenda. Opportunities exist for collaboration within our campus community, and our proximity to a variety of other academic institutions offers the opportunity for cross-institution collaborations.

As a designated Hispanic Serving Institution, CSUSB reflects the dynamic diversity of the region and has one of the most diverse student populations of any university in the Inland Empire, and the second highest Hispanic enrollment of all public universities in California. We are committed to building and sustaining a CSUSB community that is supportive and inclusive of all individuals. Qualified applicants with experience in ethnically diverse settings and/or who demonstrate a commitment to serving diverse student populations are strongly encouraged to apply.

Complete description of the position and required application materials may be found at the following link. Applications received by September 15, 2023 will receive full consideration. https://careers.csusb.edu/en-us/job/528687/department-of-mathematics-assistant-professor-in-applied-mathematics