THE MATH ALLIANCE

DR. DAVID GOLDBERG
Director

I am pleased to be able to announce we have confirmed our plenary speakers for the **2023 Field of Dreams Conference**, which will take place November 3-5 in Atlanta GA. The Math Sciences Lecture will be delivered by Ariel Aloe, University of Iowa Professor of Educational Measurement and Statistics, while the Kathryn Chaloner Memorial Lecture in the Statistical Sciences and their Applications will be delivered by Jacqueline Hughes-Oliver, North Carolina State University Professor of Statistics. Finally, the Banquet Keynote Speaker will be Johnny L. Houston, Professor Emeritus at Elizabeth City State University. I am eager to hear these talks as I am sure are many of you. Our friends at Georgia State University are working hard to get things read. Pretty soon we'll be opening up student nominations and registration for mentors, so look for an e-mail with more conference information soon.

Our friends at Georgia State University are working hard to get things ready. Pretty soon we'll be opening up student nominations and registration for mentors, so look for an e-mail with more conference information soon.

June saw us hold our first in-person Career Paths Workshop since 2019, and about 60 students, mentors, speakers, and panelists participated. Our friends at the Institute for Mathematical and Statistical Innovation (IMSI) did a fantastic job organizing the workshop down to the last detail. The plenary speakers did a great job telling the audience about a wide range of disciplines and careers which are accessible to math majors, and the separate sessions for mentors and students sparked a lot of conversation. IMSI has recently provided the post-conference survey results, and it is clear the workshop was extremely effective and I think we can say it met all of its goals. Participants also made many constructive comments which will help as we discuss the possibility of another workshop next year.

For those attending The Joint Statistical Meetings in Toronto this August, there will be an invited session: "[Statistical Scientists of the Math Alliance: A Focus on Diversity & Recent Graduates](#)" featuring talks by Math Alliance Scholars Natalie Gasca, Immanuel Williams, Kyle Duke, and Javier Flores. This session will be Monday, Aug 7: 2:00 PM - 3:50 PM, Metro Toronto Convention Centre Room: CC-205D. I want to thank the Justice Equity Diversity and Inclusion Outreach Group of the American Statistical Association for sponsoring this session. There will also be a social gathering sponsored by the Math Alliance on Tuesday August 8 5:30-6:30PM at the Delta Hotel, Harbourfront Room D. I hope we see many of you there!!

What's Happening Next?

- **JSM2023** Ontario, Canada Aug. 5- 10
- **STATFEST** SAS Campus Cary, NC Sept. 23
- **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.

Exchange of Mathematical Ideas Conference 2023 (August 11-13 2023)

We are pleased to announce the 9th Annual Exchange of Mathematical Ideas Conference, which will take place from August 11-13 at the University of Northern Iowa in Cedar Falls, IA. The Exchange conference is a joint effort of the mathematics department at the University of Northern Iowa, and Embry-Riddle Aeronautical University in Prescott, AZ. The conference brings together mathematicians from various disciplines and backgrounds to encourage collaboration and expose them to new ideas beyond their fields of expertise. Many of these collaborations have resulted in publications in prestigious journals.

This year, the conference is supported by NSF (FAIN: 2322922), and will focus on Algebra and its related fields. However, we welcome lectures related to Algebra in a very broad sense, and are looking for a diverse range of topics.

We cordially invite everyone to attend the conference. We also invite everyone to give a 20 to 30 minutes talk on a topic of their choosing. Introductory and survey talks are welcome! The deadline for registration is June 30, 2023. In case of a high volume of requests to give talks, we will select them on a first-come, first-served basis. If you only wish to attend, we still require online registration. Conference proceedings will be available for those who participate.

Graduate students are also encouraged to attend. We offer limited support from the grant to cover some of the costs of attending the conference for participants who request it. The conference will include poster sessions. For further information, please check the website at https://math-dept.info/EMI

We are excited to bring back the conference after the COVID hiatus and look forward to seeing new and returning participants. Please don't hesitate to contact us if you have any questions.

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GROW -Graduate Research Opportunities for Women

We are delighted to announce that applications are open for GROW (Graduate Research Opportunities for Women) 2023, to be held at Duke University in Durham, North Carolina from Friday October 20 – Sunday October 22.

GROW is an annual national conference aimed at increasing the rate of applications by women and non-binary students to graduate programs in the mathematical sciences. We have an outstanding line-up of speakers and panels planned, demonstrating the tremendous diversity of lives and careers that can be built upon a Ph.D. in the mathematical sciences, along with informal opportunities for conversation and mentorship. The conference is FREE for accepted participants. We will cover airfare, provide accommodations, and arrange for meals.

Please share the application to GROW 2023 with all women (cis-gender, transgender, or woman-identified) and nonbinary undergraduates at U.S. colleges or universities (including international students) who are considering graduate school in the mathematical sciences. Applications are due Friday July 28. Accepted applicants will be notified by August 18.

Please contact us at grow@math.duke.edu with any questions and thank you for your time.

Sincerely,

Shira Viel
GROW Lead Organizer, 2022-2023
Assistant Professor of the Practice of Mathematics
grow@math.duke.edu

Lillian Pierce
GROW Scientific Coordinator, 2022-2023
Nicholas J. and Theresa M. Leonardy Professor of Mathematics
pierce@math.duke.edu

School of Mathematics

MEMBERSHIPS

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. During the 2024-25 academic year the School will have a special program on Algebraic and Geometric Combinatorics. June Huh from Princeton University will be the Distinguished Visiting Professor.

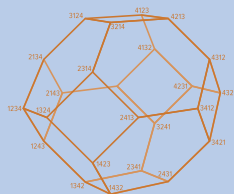**Deadline is December 1, 2023.**

PROGRAMS

Women and Mathematics
ias.edu/math/wam
Minerva Research Program
ias.edu/math/activities/programs/
minerva-research-program
Summer Collaborators
ias.edu/math/summercollaborators

IAS | SCHOOL OF MATHEMATICS
INSTITUTE FOR ADVANCED STUDY

ias.edu/math

Liberty Mutual
INSURANCE

DSPRG @Liberty

Data Science Professional Resource Group

Diversity and Outreach Mentorship Program

APPLY HERE

Purpose

Racial bias is a known phenomenon in the Data Science industry, due to unconscious bias, lack of awareness and educational under-representation. This program was created to combat this bias within the industry.

Goal

Provide opportunities to under-served individuals to pursue a career in Data Science and diversify Liberty's Data Science community.

Duration

The program will be 6 months long and mentees and mentors should have a commitment to meet at least once a month.

Structure

DSPRG hosts bimonthly group mentee sessions that may serve as a check in. Mentors and mentees can decide on other meetings depending on the mentee's goals.

What To Expect

Potential topics that mentors and mentees may cover include interview skills, job shadow opportunities, and goal setting to prepare for full-time and internship opportunities.

Added Value

Attracting unique talent, diversifying DSPRG, avoiding bias, retaining talent, providing opportunities for development, and building partnerships.
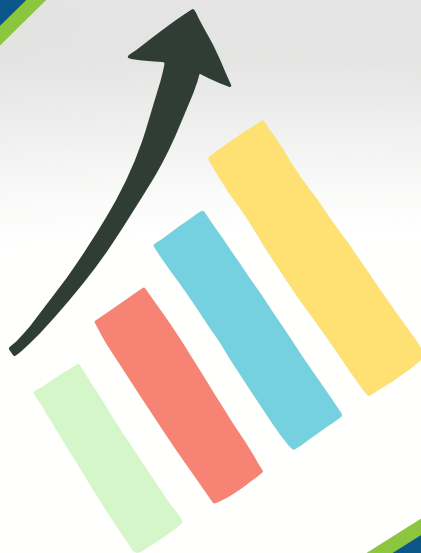
Please reach out to **DSPRG_Diversity@libertymutual.com** for any questions or concerns.

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

SHORT COURSES ON OBESITY, MATHEMATICS, AND CAUSAL INFERENCE IN SUMMER 2023

We invite you to join us at one or both of our in-person, NIH-funded short courses being hosted this summer. Both courses will be held at the School of Public Health on the Indiana University Bloomington campus.

The Mathematical Sciences in Obesity Research
Dates: Monday, July 31st – Friday, August 4th
Format: In-person, Monday through Friday, Bloomington, IN, 8 AM to 5PM EST.

Course description: The mathematical sciences including engineering, statistics, computer science, physics, econometrics, psychometrics, epidemiology, and mathematics qua mathematics are increasingly being applied to advance our understanding of the causes, consequences, and alleviation of obesity. These applications do not merely involve routine, well-established approaches easily implemented in widely available commercial software. Rather, they increasingly involve computationally demanding tasks, use and development of novel analytic methods and software, new derivations, computer simulations, and unprecedented interdigitation of two or more existing techniques. Such advances at the interface of the mathematical sciences and obesity research require bilateral training and exposure for investigators in both disciplines.

To apply: Visit our course site at [The Mathematical Sciences in Obesity](#)

Spaces are limited to encourage more engagement among participants and with course faculty, so apply soon. Persons of all genders, race/ethnicities, and ability/disability statuses are strongly encouraged to apply.

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

2024 Summer Research in Mathematics at SLMath

The Simons Laufer Mathematical Sciences Institute (SLMath, formerly known as MSRI) in Berkeley, California, invites applications for the 2024 Summer Research in Mathematics (SRiM) program. This program 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. Through this effort, SLMath aims to mitigate the obstacles faced by these groups, improve the odds of research project completion, and deepen their research experience.

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.or advanced graduate standing in the mathematical sciences. At least one team member must be US based.

- Each group may apply to be in residence at SLMath for a minimum of two weeks. All members of the group must be in residence for the full duration of the visit.

- The visits to SLMath must take place between June 10 - July 26, 2024.

- Applications will be hosted on Math Programs July 1 - October 8, 2023. Applications require a Project Description, a statement on alignment with program goals, as well as additional information on group members and research plans.

- Funding & Support: All participants receive lodging, meals, travel expenses, and post-programmatic travel support. 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 17 (limited to US Citizens and Permanent Residents, and foreign visitors with a visa status that allows for compensation, such as a J1). .For full program details, visit msri.org/summer.

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

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
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Executive Director

AMERICAN MATHEMATICAL SOCIETY

POSITION

The Trustees of the American Mathematical Society invite applications for the position of Executive Director of the Society. The Executive Director has the opportunity to strongly influence all activities of the Society, as well as the responsibility of overseeing a large and diverse spectrum of people, programs, and publications. **The desired starting date is February 1, 2024.**

DUTIES AND TERMS OF APPOINTMENT

The American Mathematical Society, founded in 1888 to further the interests of mathematical research and scholarship, serves the national and international community through its publications, meetings, advocacy, and other programs. The AMS promotes mathematical research and its communication and uses; encourages and promotes the transmission of mathematical understanding and skills; supports mathematical education at all levels; advances the status of the profession of mathematics, encouraging and facilitating the full participation of all individuals; and fosters an awareness and appreciation of mathematics and its connections to other disciplines and everyday life.

These aims are pursued mainly through an active portfolio of programs, publications, meetings, conferences, and advocacy. The Society is a major publisher of mathematical books and journals, including MathSciNet®, an organizer of numerous meetings and conferences each year, and a sponsor of grants and training programs. The Society's headquarters are located in Providence, Rhode Island, and the Executive Director is based there. The society also maintains a print shop in Pawtucket, Rhode Island; an office in Washington, DC, that houses the Office of Government Relations and the Office of Equity, Diversity, and Inclusion; and an office in Ann Arbor, Michigan, that publishes MathSciNet.

The Executive Director is the principal executive officer of the Society and is responsible for the execution and administration of the policies of the Society as approved by the Board of Trustees and by the Council. The Executive Director is a full-time employee of the Society and is responsible for the operation of the Society's offices in Providence, and Pawtucket, RI; Ann Arbor, MI; and Washington, DC. The Executive Director attends meetings of the Board of Trustees, the Council, and the Executive Committee, is an ex-officio (nonvoting) member of the policy committees of the Society, and is often called upon to represent the Society in its dealings with other scientific and scholarly bodies.

The Society employs a staff of over 200 in the four offices. The directors of the various divisions report directly to the Executive Director. Information about the operations and finances of the Society can be found in its Annual Reports, available at www.ams.org/annual-reports.

The Executive Director is appointed by and serves at the pleasure of the Trustees. The terms of appointment, salary, and benefits will be consistent with the nature and responsibilities of the position and will be determined by mutual agreement between the Trustees and the prospective appointee.

DESIRED QUALIFICATIONS

The successful candidate must be a leader, and we seek candidates who additionally have as many as possible of the following:

- A doctoral degree (or equivalent) in mathematics or a closely related field.
- Substantial experience and demonstrated visibility as a professional mathematician in academic, industrial, or governmental employment, with success in obtaining and administering grants.
- Extensive knowledge of the Society, the mathematics profession, and related disciplines and organizations, with a thorough understanding of the mission that guides the Society.
- Excellent communication skills, both written and oral, and an enthusiasm for public outreach.

- Demonstrated sustained commitment to diverse, inclusive, and equitable organizational environments and substantial experience in advancing equity, diversity, and inclusion priorities in the mathematical community.
- Demonstrated leadership ability supported by strong organizational and managerial skills.
- Familiarity with the mathematical community and its needs, and an ability to work effectively with mathematicians and nonmathematicians.
- Strong interest in engaging in fundraising and enjoyment of social interactions.

APPLICATIONS PROCESS

A search committee co-chaired by **Joseph Silverman** (joseph_silverman@brown.edu) and **Bryna Kra** (kra@math.northwestern.edu) has been formed to seek and review applications. All communication with the committee will be held in confidence. Suggestions of suitable candidates are most welcome.

Applicants should submit a CV and a letter of interest on MathJobs. The letter should be at most four pages, explaining your interest in being the Executive Director of the AMS and why you consider yourself to be a compelling candidate. The majority of the letter should discuss your major accomplishments and experiences that illustrate your leadership philosophy and address the desired qualifications for the position. **Applications received by September 15, 2023 will receive full consideration.**

AMERICAN MATHEMATICAL SOCIETY

Advancing research. Creating connections.

Member Institution

POSITION AT THE UNIVERSITY OF ALABAMA

Non Renewable Contract Assistant Professor Position in Mathematics

The Department of Mathematics at The University of Alabama invites applications for two non-tenure multi-year contract positions at the Assistant Professor level beginning on August 18, 2023. These are three-year renewable positions with opportunities for promotion to higher rank.

The University of Alabama is a student-centered research university with the Department of Mathematics in the midst of a multi-year effort to improve teaching and learning in the lower division mathematics courses. In 2024 the Department will begin offering a new major in Data Science. The successful candidates will primarily teach lower division courses, with the opportunity for teaching some upper-division courses and/or summer courses, if desired. The candidates will also coordinate multi-section courses, provide professional development for Graduate Teaching Assistants teaching these courses, and work within the department to improve courses. Candidates must possess a doctoral degree in mathematics or a closely related field (with 18 credit hours of graduate coursework in mathematics) by August 16, 2023. The ideal candidates will either have experience as a course coordinator, managed courses using a learning management system (such as Blackboard) or online homework system (such as WebAssign), have teaching experience in calculus, linear algebra, or differential equations, or have a background in statistics or data science.

Applicants should complete the online application at https://facultyjobs.ua.edu/postings/51802. The application should include a letter of application, a curriculum vita, a teaching statement, and three letters of recommendation (two of which concern teaching). A teaching portfolio or other evidence of teaching effectiveness is strongly encouraged. The recommendation letters should be submitted electronically through MathJobs (www.mathjobs.org) or should be sent electronically to: math@ua.edu. Applications will be reviewed on an ongoing basis starting immediately and will continue to be accepted until the positions are filled.

The University of Alabama is an Equal Opportunity/Affirmative Action employer and actively seeks diversity among its employees. Women, Hispanic, African-American and other minority candidates are strongly encouraged to apply. For more information about the department and the university visit our website at https://math.ua.edu/.