

# THE MATH ALLIANCE



**DR. DAVID GOLDBERG**  
Director

We are still ramping up F-GAP (more on this below). It is very important we get our students tracked into F-GAP early this year. For those F-GAP students who have been matched be sure to register for the [Career Paths Workshop](#) in Chicago (June 8-9). MONDAY MAY 1 IS THE REGISTRATION DEADLINE, DONT MISS IT!!! You can see it is a great event with wonderful participants, and we're grateful to our partners at the Institute for Mathematical and Statistical Innovation (IMSI) and the Institute for Mathematics and its Applications (IMA) for their help and support in organizing this event. For those mentors who haven't nominated students yet, there may still be time to get your students into the program and registered for the workshop.

Now that we are well into April, I realize I am also a month into my eighth year as Executive Director of the Math Alliance. Certainly, 2016 me did not see many things that now are part of our everyday life and part of our lived experience of the last eight years. I do remember, though, looking at the Math Alliance data, and seeing the first few Predoctoral Scholar doctorates were earned in 2013 (three that year) and that four more were earned in 2014. We probably knew of about 5-8 doctorates earned by Predoctoral Scholars in 2015 at that point. (Eventually we would find 13 such doctorates earned in 2015.) I also looked at the number of students in F-GAP for the first few years (2013-14 through 2015-16) and saw an average of 75 students per year. As we learned that at least 85% of the first two cohorts had entered graduate school, I started to project forward. Since I believed (and still believe) in our students, mentors, our mission, and the strength of our community, I started to tell people that by 2020, 30-40 Math Alliance Predoctoral Scholars (MAPS) would be earning doctorates each year. Over the next six years I often wondered if I was being too optimistic in making these projections. During the many presentations to various groups, including to many potential Partners, I would state my belief clearly, and I could tell it often was met with skepticism.

I wasn't flying blind, by any means, but we were also working hard to improve our data collection processes, and I worried what would happen if we fell short.

As we approached the end of 2020, as bad a year as it was in most ways, we did start to see the number of 2020 doctorates rise above 25. So, we hadn't reached 40 yet. But I also knew from the previous years that we would continue to learn about 2020 doctorates earned for at least two years. I knew that by 2022 we would be able to report that more than 30 doctorates were earned in 2020 and held out hope we'd make 40. Indeed, we can proudly report that at least 44 MAPS earned their doctorates in 2020. The number for 2021 currently stands at 26, and we'll continue to add to that total during this calendar year, at least. But I think 2021 will be a bit lower than 2021, and I think we can attribute that to COVID. For 2022, we already know of 33 doctorates. So, I think that by the end of 2024, we will be able to report that over 50 MAPS earned their doctorate in 2022! We should be proud and celebrate this, but also know that we are just at the beginning of this story, and nowhere near the end.

We had a couple of years of smaller than expected cohorts in F-GAP, again, a byproduct of the pandemic, but I am happy to report that we already have 53 students signed up for the 2023-24 cycle. Roberto Soto and Phil Kutzko are doing a great job of refining this program and building mechanisms to identify and enroll more students into F-GAP. Phil recently said he thought that by the time we reach the Field of Dreams Conference in November, we may have as many as 200 F-GAP Scholars for 2023-24. That is great! What does this mean for our future? Looking forward I believe that in 2030 over 100 MAPS will earn doctorates. Sometime, ten years from now, the Math Alliance Executive Director will be able to make that claim in this newsletter. I will be eager to read it and to see what the leadership will be projecting for the years beyond that. If we continue to build our community, stick to our principles, and keep our priorities focused on ensuring students who should pursue doctorates have the chance to do so, then we will be having the kind of impact that our founders envisioned in 2006. This gives me a lot of hope for the future of our profession, and our nation.

On a personal note, when I sat down to write this piece, and typed out the first few sentences, I thought it would be about something completely different, and would have a somewhat grim and negative feeling. But somehow the thoughts just kept moving towards the positive message I thought could and should be conveyed. I want to thank the Math Alliance Community, every single one of you, because you have done that for me - turned my somewhat gloomy outlook into a bright vision of the future - over, and over again these last seven years. It leaves me feeling honored, and lucky to just be a little part of what this community does.

## What's Happening Next?

- ADJOINT Workshop MSRI Berkeley, CA Jun. 19- 30
- 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



# 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 its 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



## Johnny L. Houston Delivers Inaugural Johnny L. Houston Lecture at Purdue University

The Purdue University Mathematics Department has established a new lecture series named in honor of Johnny L. Houston. Dr. Houston received his B.S. at Morehouse College, M.S. at Atlanta University (now Clark Atlanta University), and his Ph.D. from Purdue in 1974 ("On the Theory of Fitting Classes in Certain Locally Finite Groups," under the direction of Eugene Schenkman). In 1969 he was one of the founders of the Black Cultural Center (BCC) at Purdue and served as its first director. From its solid foundation, the center has grown significantly and is now considered the gold standard among cultural centers. He was one of the founding members of the National Association of Mathematicians (NAM), also in 1969. Dr. Houston served as the Executive Secretary of NAM from 1975 until 2000 and was presented the NAM Lifetime Achievement Award in 1999.

Dr. Houston has had a long and distinguished research and administrative career, including positions at CAU/Atlanta University, Savannah State University, Stillman College, Fort Valley State University, and Elizabeth City State University, where he served as Vice Chancellor for Academic Affairs. He has also held several prestigious visiting positions, and traveled widely, delivering scholarly presentations as an invited speaker on 6 continents, 70 countries (25 in Africa), and all 50 states. Much more extensive biographical information is available at [Mathematically Gifted and Black](#), [Mathematicians of the African, Diaspora](#) and [The History Makers](#), among other places.

Dr. Houston agreed to inaugurate the lecture series by delivering the first lecture himself, and this occurred February 9 at Purdue. The Mathematics Department and the BCC collaborated to arrange a series of events that celebrated Dr. Houston's contributions to mathematics, the profession, and to our campus. The title of Dr. Houston's lecture was "Investigating/Visualizing Infinity in Finite Space", and the talk was followed by a reception at the BCC.

The Johnny L. Houston Lecture Series will be held annually during Black History Month at Purdue. The speakers will be selected based on their research contributions as well as their outreach and service to improve the climate for underrepresented groups, with a particular emphasis on underrepresented ethnic minorities in the mathematical, statistical, and quantitative sciences.



Dr. Johnny Houston addresses reception at Purdue's Black Cultural Center



Johnny Houston delivering the first Johnny L. Houston Lecture



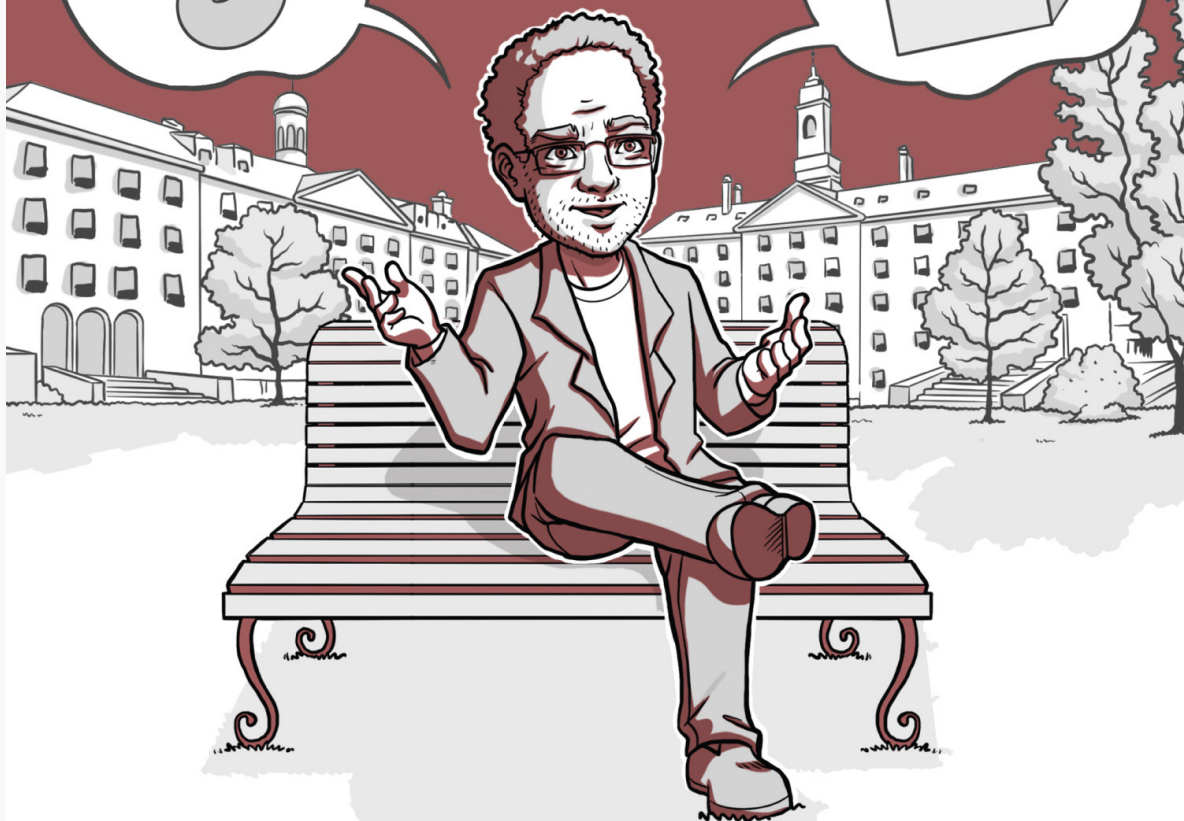
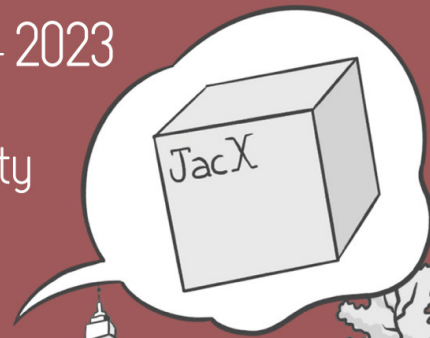
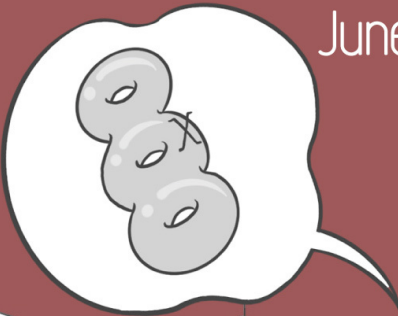
Johnny and Virginia Houston with current Purdue students at the BCC. Professor Johnny Brown is far right, and BCC Senior Associate Director, Bill Caise is far left.

# ARITHMETIC, BIRATIONAL GEOMETRY, AND MODULI SPACES CONFERENCE

# ARITHMETIC, BIRATIONAL GEOMETRY, AND MODULI SPACES

June 12th to 16th - 2023  
Monday to Friday

Brown University  
Providence, RI



### SCIENTIFIC COMMITTEE:

**Kenny Ascher**  
University of California, Irvine  
**Dori Bejleri**  
Harvard University

**Qile Chen**  
Boston College  
**Angela Gibney**  
University of Pennsylvania

**Brendan Hassett**  
Brown University  
**Steffen Marcus**  
The College of New Jersey

**Martin Ulirsch**  
Goethe-Univ. Frankfurt am Main  
**Jonathan Wise**  
Univ. of Colorado, Boulder



[sites.google.com/view/abgms2023](https://sites.google.com/view/abgms2023)

SAVE THE DATE!

SEPT 23, 2023

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



# 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.

## 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.

### Strengthening Causal Inference in Behavioral Obesity Research

Dates: Monday, June 26th - Friday June 30th

Format: In-person, Monday through Friday, Bloomington, IN, 8 AM to 5PM EST.

**Course description:** Identifying causal relations among variables is fundamental to science. Obesity is a major problem for which much progress in understanding, treatment, and prevention remains to be made. Understanding which social and behavioral factors cause variations in adiposity is vital to producing, evaluating, and selecting intervention and prevention strategies. In addition, developing a greater understanding of obesity's causes requires input from diverse disciplines including statistics, economics, psychology, epidemiology, mathematics, philosophy, and behavioral or statistical genetics. However, applying techniques from these disciplines does not involve routine well-known 'cookbook' approaches. Rather, an understanding of the underlying principles is required so that the investigator can tailor approaches to specific and varying situations.

To apply: [Visit our course site at Strengthening Causal Inference in Behavioral Obesity Research](#)

### 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](https://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

The Simons Laufer Mathematical Sciences Institute (SLMath, formerly known as MSRI) in Berkeley, California welcomes registrations for our Fall 2023 workshops, listed below. SLMath workshops are free of charge to attend, thanks to the generous support of our funders, including the National Science Foundation. (Please check [www.msri.org/workshops](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, including online broadcasts, will be posted in advance of each event.) \* denotes lead organizer(s).

### Mathematics and Computer Science of Market and Mechanism Design

Connections Workshop: September 7-8, 2023

Organizers: Michal Feldman (Tel-Aviv U.), Nicole Immorlica\* (Microsoft Research)

Introductory Workshop: September 11-15, 2023

Organizers: Scott Kominers (Harvard Business School), Paul Milgrom (Stanford U.), Alvin Roth (Stanford U.), Eva Tardos (Cornell U.)

Practical Approximation for Market Design: November 27 - December 1, 2023

Organizers: Michal Feldman (Tel-Aviv U.), Scott Kominers (Harvard Business School), Ellen Muir (Harvard U.), Tim Roughgarden (Stanford U.), Ilya Segal (Stanford U.), Inbal Talgam-Cohen (Technion – Israel Institute of Technology)

### Algorithms, Fairness, and Equity

Connections Workshop: August 24-25, 2023

Organizers: Vincent Conitzer (Carnegie Mellon U.), Rachel Cummings\* (Columbia U.), Ana-Andreea Stoica (UC Berkeley)

Introductory Workshop: August 28 - September 1, 2023

Organizers: Vincent Conitzer (Carnegie Mellon U.), Moon Duchin\* (Tufts U.), Wesley Pegden (Carnegie Mellon U.), Dana Randall (Georgia Institute of Technology), Soledad Villar\* (Johns Hopkins U.)

Randomization, Neutrality, and Fairness: October 23-27, 2023

Organizers: Bettina Klaus (U. of Lausanne), Jonathan Mattingly\* (Duke U.), Berk Ustun (UC San Diego), Rachel Ward

### Hot Topics Workshops

MIP\* = RE and the Connes' Embedding Problem: October 16-20, 2023

Organizers: Michael Chapman (New York U., Courant Institute), Anand Natarajan (Massachusetts Institute of Technology), William Slofstra (U. of Waterloo), John Wright (U. of Texas, Austin), Henry Yuen (Columbia U.)

Recent Progress in Deterministic and Stochastic Fluid-Structure Interaction: December 4-8, 2023

Organizers: Suncica Canic (UC Berkeley), Jeffrey Kuan (UC Berkeley)

Register Online: [msri.org/workshops](http://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 / SLMath 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.

## Lathisms Scholarships Accepting Applications

# Lathisms Scholarship



This scholarship aims to support Hispanic/Latinx students interested in pursuing a career focused on mathematical sciences!

### Eligibility:

- Be Latinx/Hispanic;
- Be interested pursuing a career in the mathematical sciences; and
- Be high school juniors/seniors, high school graduates, current / prospective college students, or current / prospective graduate students located in the United States.

We especially encourage undocumented individuals, TPS beneficiaries, and DACA recipients to apply!

**Deadline:  
March 31st**



### More information :

 <https://www.lathisms.org/scholarships>

# REU at UTRGV Accepting Applications

## REU Program on Applied Mathematics and Computational and Data Science 2023



The University of Texas Rio Grande Valley

School of Mathematical & Statistical Sciences



Participating students will receive:

- a stipend of \$5,400;
- accommodations;
- \$1000 for travel expenses, which are incurred in the roundtrip travel to Edinburg, TX or to present the research work at a conference; and
- \$900 for subsistence.



The School of Mathematical and Statistical Sciences (SMSS) is excited to announce applications for the NSF Research Experiences for Undergraduates (REU) site at The University of Texas Rio Grande Valley in Summer 2023.

The program will run from May 29 to July 29, 2023.

Applicants must be full-time undergraduate students pursuing a major in the mathematical or statistical sciences in Fall 2023.

Applicants must be US citizens or permanent residents of the United States in accordance with NSF regulations.

Review of applications will begin on March 15, 2023 and continue till spots are filled.

### Topics:

#### 1. Wave phenomena and mathematical modeling

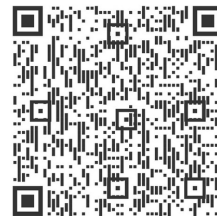
Mentors: Dr. Erwin Suazo and Dr. Josef Sifuentes

#### 2. Mathematical modeling of spatial processes and deep spatial learning

Mentors: Dr. Tamer Oraby, Dr. Hansapani Rodrigo, and Dr. Michael Lindstrom



**\*We encourage applications from women and underrepresented groups in Mathematics.**



Submit your application

For more information send an email to [erwin.suazo@utrgv.edu](mailto:erwin.suazo@utrgv.edu) or visit the REU's website at <https://www.utrgv.edu/smss-nsf-reu/index.htm>

Please submit your application at: <https://forms.office.com/r/TqhNGHQvGh>

# REU at UTRGV Accepting Applications





**NSF  
I-ACED**

**IMPROVING ACCESS TO CAREER & EDUCATIONAL DEVELOPMENT**  
Support for this work was provided by the National Science Foundation under awards 2130515, 2130328, 2130317, and 2130321.

**Up to \$10,000 per year in scholarships for master's degrees**

**Technical tours plus paid internships and research experiences**

**Cross-institutional cohorts plus mentoring from faculty & practitioners**

**Choose a *technical track*, then choose a *degree program in that track at any partner institution*: Jackson State University, Prairie View A&M University, Rice University, or Texas Southern University.**



**Biotechnology**

- Prairie View (MS)
  - Computer Science
  - Electrical & Computer Engineering
  - Mechanical Engineering
  - Chemical Engineering
- Rice (Professional Masters)
  - Bioengineering
  - Chemical Engineering



**Sustainability/Resilience**

- Jackson State (MS)
  - Coastal Engineering
- Prairie View (MS)
  - Civil & Environmental Engineering
- Texas Southern (MS)
  - Environmental Toxicology
  - Transportation Planning & Management



**Digital Twinning**

- Jackson State (MS)
  - Computer Science
  - Computational Data Enabled Science & Engineering
- Rice (Professional Masters)
  - Data Science
  - Computational & Applied Mathematics
- Industrial Engineering
- Texas Southern (MS)
  - Computer Science
  - Mathematics

**Internships, research experiences and mentoring supported in part by the Army Engineer Research & Development Center (ERDC).**

**Learn more and apply online! <https://i-aced.org>**



Partner  
Institution

## POSITION AT GEORGIA STATE UNIVERSITY

The Department of Mathematics and Statistics at Atlanta campus of Georgia State University invites applications for two lecturer positions in mathematics and statistics beginning August 2023.

### Essential Qualifications:

- Ph.D. in mathematics, statistics or related field at time of appointment;
- Ability to teach core undergraduate mathematics and statistics courses;
- Knowledge and experience with instructional technology;
- Ability to effectively deliver instruction in online and face-to-face formats;
- Interest in teaching and mentoring students of diverse backgrounds.

### Preferred Qualifications:

One or more years of effective full-time college/university teaching experience in mathematics or statistics. Lecturers at Georgia State University are full-time non-tenure track faculty with both teaching and service requirements who directly contribute to the mission of the university. Lecturers have the opportunity for promotion to Senior Lecture and Principal Senior Lecturer. Our lecturers are full members of the department's intellectual community and leadership team. In mathematics and statistics, lecturers teach 12 credit hours per semester and primarily teach and coordinate lower division undergraduate courses including, but not limited to, college algebra, pre-calculus, calculus, elementary statistics, differential equations, and linear algebra.

Georgia State University, the largest university in Georgia, is an enterprising urban research university located in downtown Atlanta and home to one of the most diverse student bodies in the country. It is a national leader in innovative instruction and academic success of diverse populations. We strongly encourage applications from members of groups traditionally underrepresented in STEM. The College of Arts & Sciences supports faculty professional success through mentoring programs and representation of faculty from all ranks in college-level program development. GSU is an institutional member of the National Center for Faculty Development & Diversity.

The department currently consists of 22 tenure track faculty, 12 lecturers, and 3 academic professionals (of various ranks). The department offers B.S., M.S., and Ph.D. degrees in mathematics and statistics. For more information please visit our website at <https://www.mathstat.gsu.edu/>.

Applications should be submitted directly to <http://www.mathjobs.org>.

The following items are required:

1. Application cover letter
2. Curriculum vitae
3. Teaching statement with evidence of aptitude or ability to teach at the undergraduate and graduate levels with a diverse student body, including the mentoring of women and under-represented minorities (at most 2 pages)
4. Transcripts of graduate work
5. Student evaluations and other evidence of success in instruction, if applicable
6. Three letters of reference (two must address candidate's instructional abilities).

Review of applications will begin on March 20, 2023, and will continue until positions are filled. 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 WAKE FOREST UNIVERSITY

Wake Forest University Department of Mathematics is seeking applications for one Visiting Assistant Professor position. Review of applications will begin immediately and will be accepted until positions are filled. We seek highly qualified candidates who have a commitment to excellence in teaching. A Ph.D. in Mathematics or a related area is preferred, but exceptional candidates with a Master's degree in Mathematics or a related area will also be considered. The department has 16 tenure-track faculty, two teaching professionals and five teacher-scholar postdocs. The department offers both a B.A. and a B.S. in Mathematics, a B.S. in Applied Mathematics, and a B.S. in Mathematical Economics. The department also has a graduate program offering an M.S. in Mathematics. The teaching load for this position is three courses per semester.

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

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

A complete application will include a letter of application, curriculum vitae, teaching statement, and contact information for three people who can serve as references. Applicants are encouraged to post materials electronically at <https://www.mathjobs.org/jobs/list/22354>. Hard copy can be sent to Dr. Sarah Raynor, Wake Forest University, Department of Mathematics, P.O. Box 7388, Winston-Salem, NC 27109 ([raynorsg@wfu.edu](mailto:raynorsg@wfu.edu), <http://www.math.wfu.edu>).

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

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](http://www.mathjobs.org)) or should be sent electronically to: [math@ua.edu](mailto: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/>.

Member  
Institution

**POSITION AT THE UNIVERSITY OF  
PUERTO RICO, MAYAGÜEZ**



University of Puerto Rico  
Mayagüez Campus  
Department of Human Resources  
Tel. 787-832-4040 Ext. 3159  
Fax 787-831-1720



Announcement Number	:	23-07
Position Title	:	Assistant Professor
Annual Salary	:	\$62,256.00
Location of Position	:	University of Puerto Rico, Mayagüez Campus Department of Mathematical Sciences ( <a href="https://www.uprm.edu/math/">https://www.uprm.edu/math/</a> )
Opening date	:	March 23, 2023
Closing Date	:	May 15, 2023
Starting date of position	:	July 1, 2023

#### INTRODUCTION

The University of Puerto Rico in Mayagüez is currently looking for candidates to teach Applied Mathematics, with knowledge in Partial Differential Equations, or Mathematical Education, with a strong component in mathematics.

#### MINIMUM REQUIREMENTS

Possess a doctoral degree in Mathematics, or the expectation of its completion before the start of the appointment. Special consideration will be given to candidates with knowledge in Partial Differential Equations, or in Mathematical Education with a strong component in mathematics.

#### JOB DESCRIPTION


Applicants should have a strong commitment to teaching and research potential; and should demonstrate a good publication record in quality journals. Duties include undergraduate and graduate teaching and research. Initiative and leadership skills are expected. Applicants must provide a record of scientific research publications which indicates the candidate's potential to establish and maintain a productive research program. Interest in interacting with faculty in other research areas in the department and/or university would be desirable. Classes at the University are taught in Spanish or English.

#### HOW TO APPLY

Applicants should submit: an application letter, AMS cover sheet, current curriculum vitae, teaching and research philosophy, official Graduate School transcripts, a plan which outlines their short and long-term teaching and research goals, a research proposal on how to bring in external funding for teaching and/or research. The documents must be sent on or before **May 15, 2023** to:

**Dr. Omar Colón Reyes, Director**  
Department of Mathematical Sciences  
University of Puerto Rico, Mayagüez Campus  
Call Box 9000, Mayagüez, Puerto Rico 00681-9000  
Tel. (787) 265-3848, Fax (787) 265-5454  
[omar.colon4@upr.edu](mailto:omar.colon4@upr.edu)

SUBMITTED:

  
Madelyn Ríos Rivera, MBA  
Director

Some of the benefits offered by the University of Puerto Rico are: medical plan, retirement, medical leave of absence, and maternity and paternity leave.

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