Thoughts from the Director...

David Goldberg
Executive Director of the Math Alliance

It is spring and there is SO much happening it makes my head spin. So, where to begin? First, I want to remind everyone of the upcoming (virtual) JMM April 6-9. This meeting was to take place in-person in Seattle in January, and so all the times have been left in Pacific Time. **There are three events specifically organized by the Math Alliance**. One is our AMS Special Session, *If You Build It They Will Come: Presentations by Scholars in the National Alliance for Doctoral Studies in the Mathematical Sciences,* which will run Friday April 8, from 8AM -11:30AM, and 1PM-5:30PM (co-organized with Phil Kutzko). This will feature 11 research talks by recent Math Alliance Scholar doctorates (or soon to be doctorates) as well as two panel discussions (specifics appear later in the newsletter). One of the great things about these sessions is that often speakers were students I met before they went to graduate school. Most often I remember them from having a conversation at our Purdue table at the Graduate Fair at Field of Dreams, and now we see how far they have come in just a few years. So, I encourage you to visit for part of the session.

We also have a panel discussion *The Math Alliance: 15 Years of building a New American Community in the Mathematical and Statistical Sciences,* which runs Thursday April 7, 10:30AM-noon. This will feature three "sub-panels": *Mentoring at the Graduate Level, Rodrigo Bañuelos, Jacqueline Hughes-Oliver, and Leslie McClure (William Vélez, Moderator) 10:30-11AM; Transforming Graduate Programs, Phil Kutzko and Dick McGehee (David Goldberg, Moderator) 11–11:30AM; and Alliance Success Stories, Isaac Harris and Danielle Middlebrooks (Phil Kutzko, Moderator) 11:30AM-noon.* Finally, Jason Aubrey and Bill Vélez are running a Professional Enhancement Program (PEP) on *Recruiting and Mentoring Majors in the Mathematical Sciences,* Thursday April 7 from 8-10AM, and Saturday April 9, from 9-11AM. Besides our sessions there are many sessions featuring members of our community and of interest to us as they focus on diversity issues. So, I hope to see many of you at this meeting!

The April Notices of the AMS includes the announcements of the 2022 AMS Awards, and there are several of note for our community. I am so pleased to see my Purdue colleague and Math Alliance Senior Advisor, Rodrigo Bañuelos, has received the 2022 AMS Award for Distinguished Public Service. Rodrigo has been a model for service to our profession and for having an impact on diversity, equity, and inclusion, and I can't think of anyone more deserving of this recognition. If you didn't have the pleasure of being there, you can view Rodrigo's Keynote Address to the 2018 Field of Dreams Conference on our media page. Also, the 2022 AMS Award for an Exemplary Program or Achievement in a Mathematics Department recognizes the University of Missouri and prominently features Math Alliance Mentor Stephen Montgomery-Smith. It is great to see the work being done there. The winner of the 2022 Joint Policy Board for Mathematics Communications Award is Math Alliance Mentor, Talithia Williams of Harvey Mudd College, recognizing here work to bring statistics to the public. Dr. Williams was the Keynote Speaker at the 2105 Field of Dreams Conference, which was a couple of years before we had the good sense to record such things. Math Alliance Mentor Michael Hill is one of the winners of the The 2022 Oswald Veblen Prize in Geometry. The winner of the 2022 Mathematics Programs that Make a Difference Award Department of Mathematics at California State University Fullerton, in recognition of their record of mentoring and graduating students from underrepresented groups. This award makes the Math Alliance particularly proud. Fullerton is one of our Master's Program Groups, we have several Math Alliance Mentors there, and Roberto Soto, who is on the faculty there is also a Math Alliance Scholar doctorate, and now a member of our Executive Council! Plus, there is a picture of eight CSUF students at an MAA poster session, and they are all Math Alliance Scholars! We know at least several of them are currently pursuing doctorates, and could not be prouder of them. Congratulations to these, and all the awardees.

Finally, March is Women's History Month, we should be sure to recognize the contributions of women to our profession and disciplines throughout the year, and not just in March. I want to call attention to a project which I was recently made aware of. Our friend, colleague, and Math Alliance Mentor, Robin Wilson of Cal Poly Pomona is working with some students to compile a complete list of Black Women in Math with PhDs. This is a wonderful contribution, and Robin indicates there is a comprehensive published list which goes through 1981. So, his group is trying to bring that up to date, covering the 40 years 1982-2021. If you know of someone who belongs on the list (and in particular, if you should be on the list) please be sure to contact Robin. I look forward to seeing many of you next week at the virtual JMM!

AMS Special Session on If You Build It They Will Come:
Presentations by Scholars in the National Alliance for Doctoral Studies in the Mathematical Sciences

Organizers: **David Goldberg**, Purdue University and **Phil Kutzko**, University of Iowa

Friday April 8, 2022, 8:00 a.m.-11:30 a.m. *NOTE:* These times are all Pacific Daylight (PDT)

- 8:00 a.m. *Discussion*

- 9:00 a.m. *A New Approach to Model Order Reduction for the Stochastic Optimal Control Problem*. **Kayla D Davie**, University of Maryland College Park

- 9:30 a.m. *Nonnegative Tensor Completion via Integer Optimization*. **Caleb X Bugg**[1], Anil Aswani[1] and Chen Chen[2], (1)UC Berkeley, (2)Ohio State University

- 10:00 a.m. *Explainable AI*. **Zerotti Woods**, Johns Hopkins University

- 10:30 a.m. *Distribution of money on social networks with multiple banks*. Nicolas Lanchier, Arizona State University and **Stephanie Reed**, California State University Fullerton

- 11:00 a.m. Math Alliance Scholar Doctorates Panel 1. **Zerotti Woods,** Johns Hopkins University, **Stephanie Reed,** California State University Fullerton and **David Goldberg**, Math Alliance/Purdue University, West Lafayette, IN

Friday April 8, 2022, 1:00 p.m.-5:30 p.m. *NOTE:* These times are all Pacific Daylight (PDT)

- 1:00 p.m. *General Representation Type of Algebras*. **Danny Lara**, Central Washington University and Ryan Kinser, The University of Iowa

- 1:30 p.m. *Mathematical Modeling for Forthcoming NASA Missions*. **Wendy Kaye Caldwell**[1], Abigail Hunter[1], Catherine S Plesko[1] and Stephen Wirkus[2], (1)Los Alamos National Laboratory, (2)Arizona State University, School of Mathematical and Natural Sciences

- 2:00 p.m. *LATINX EL STUDENTS IN THE MATHEMATICS CLASSROOMS: AN (ONGOING) EDUCATIONAL INEQUITY IN AMERICA*. **Luis Miguel Fernandez**, The University of Texas Rio Grande Valley

- 2:30 p.m. *Math Alliance Scholar Doctorates Panel 2*. **Phil Kutzko**, Math Alliance, Iowa City, IA, **Danny Lara**, Central Washington University, **Wendy Kaye Caldwell**, Los Alamos National Laboratory and Luis Miguel Fernandez, The University of Texas Rio Grande Valley

- 3:30 p.m. *Causal inference methods to validate surrogate endpoints in clinical trials*. **Emily Roberts**, University of Michigan

- 4:00 p.m. *Frictionless nanoscale indentation of a rigid stamp into a half-space*. **Lauren Michelle White**, Kansas State University

- 4:30 p.m. *Discussion*

- 5:00 p.m. *Discussion*

Panel Discussion: Fifteen Years of Building a New American Community in the Mathematical and Statistical Sciences

Organizers: **David Goldberg**, Math Alliance/Purdue University, **Phil Kutzko**, Math Alliance, Iowa City, IA and **William Vélez**, University of Arizona

Thursday April 7, 2022, 10:30 a.m.-12:00 p.m. *NOTE:* These times are all Pacific Daylight (PDT)

Established in 2007, the National Alliance for Doctoral Studies in the Mathematical Sciences ("Math Alliance") is a community of faculty and students in the mathematical sciences who strive to increase the number of doctoral degrees in the mathematical sciences among groups that have been traditionally underrepresented in those fields. Over 1,225 math sciences faculty at more than 370 departments nationally participate in this community as Math Alliance Mentors. There are almost 2,300 past and present Alliance Predoctoral Scholars, at least 154 of whom have earned doctorates since 2013; further, at least 100 of these doctorates were earned since 2018. We note, 80% of Math Alliance doctorates who disclose their ethnicity self-identify as an underrepresented minority, as defined by NSF. This 90-minute panel session will consist of three separate discussions which focus on what we have learned about
supporting underrepresented minority students in their pursuit of doctoral degrees in the quantitative sciences:

- *Mentoring at the Graduate Level.* **Rodrigo Bañuelos,** Purdue University, **Jacqueline Hughes-Oliver**, North Carolina State University, and **Leslie McClure,** Drexel University (William Vélez, Moderator) 10:30-11:00 AM; and
- *Transforming Graduate Programs,* **Phil Kutzko,** Math Alliance and **Dick McGehee,** University of Minnesota (David Goldberg, Moderator) 11:00–11:30 AM; and
- *Alliance Success Stories,* **Isaac Harris,** Purdue University and **Danielle Middlebrooks,** NIST (Phil Kutzko, Moderator) 11:30 AM– 12:00 PM.

Professional Enhancement Program (PEP) on *Recruiting and Mentoring Majors in the Mathematical Sciences*

Organizers: **Jason Aubrey,** University of Arizona and **Bill Vélez,** University of Arizona

Thursday April 7, 8:00 a.m.- 10:00 a.m. and **Saturday April 9, 9:00 a.m.-11:00 a.m.**
NOTE: These times are all Pacific Daylight (PDT)

Things to note in the AMS Notices

April

[A Word from](#) by Kamuela E. Yong*
Michelle Manes and Betsy Stovall* [Named AMS Associate Secretaries](#)

Awards:

- Rodrigo Bañuelos*- [2022 AMS Award for Distinguished Public Service](#)
- University of Missouri, Mathematics Department- [2022 AMS Award for an Exemplary Program or Achievement in a Mathematics Department](#)
- Talithia Williams*- [2022 Joint Policy Board for Mathematics Communications Award](#)
- Michael Hill*- [The 2022 Oswald Veblen Prize in Geometry](#)
- Department of Mathematics at California State University Fullerton- [2022 Mathematics Programs that Make a Difference Award](#)
- Awarded to the paper, "On the Nonexistence of Elements of Kervaire Invariant One," by Michael A. Hill*, Michael J. Hopkins, and Douglas C. Ravenel- [Oswald Veblen Prize in Geometry](#)

NSF Career Awards:

- Emily Clader*, San Francisco State University: Combinatorial intersection theory on moduli spaces of curves
- Jingwei Hu*, University of Washington: Predictive simulations of complex kinetic systems
- Eric Laber*, Duke University: Big computation and the management of emerging infectious diseases
- Joanna Nelson*, Rice University: Floer theories and Reeb dynamics of contact manifolds
- Rodrigo Trevino*, University of Maryland, College Park: Renormalization and higher rank parabolic actions

Math Alliance Mentor   *†Math Alliance Scholar*

Items of Interest in the AMSTAT NEWS

March

[Celebrating Women in Statistics and Data Science](#)- the article honors twelve women, one is a Math Alliance Mentor: [Snehalata Huzurbazar](#)

[A Statistician's Life,](#) [Celebrating Black History Month](#)– Loni Philip Tabb*

[Climbing the Tower: Developing Your First Promotion Packet as an Academic Collaborative Statistician](#)–by Leslie McClure* and Walter Ambrosius.

*Math Alliance Mentor   †Math Alliance Scholar

2022 Gene Golub SIAM Summer School

The 2022 Gene Golub SIAM Summer School on Financial Analytics: Networks, Learning, and High Performance Computing will be held at the Gran Sasso Science Institute in L'Aquila, Italy from August 1-12, 2022. Applications are now open to graduate students in mathematics and computer science at https://siam2022.gssi.it/application/. The **application deadline is April 15, 2022.** Women and students from underrepresented groups are particularly encouraged to apply.

The summer school's objective is to increase awareness and stimulate interest of young talent in the rapidly evolving field of financial mathematics (FM) and its interplay with machine learning, mathematics of operations research, and computation. The school will offer an introduction to Quantitative Risk Management in Finance, Energy and Commodity Markets, Machine Learning and Financial Technology, and Mean Field Games. Students will be exposed to the economic and managerial implications of these subjects, and to tools of applied probability, optimization, and computational techniques.

The summer school targets intermediate PhD students, but even advanced undergraduates will find the courses accessible. The topics covered are usually not otherwise readily available and not included in standard curricula. Prerequisites for the summer schools are an introductory class in linear algebra, an introductory class in calculus, an introductory class in probability/statistics, and knowledge of at least one programming language (Python would be desirable). Each course will consist of a theoretical part and a computational lab part. The courses will be taught in a unified computational setting. Financial support toward travel and housing will be provided to all successful applicants.

For more information visit https://www.siam.org/students/g2s3.

Graduate Student Mathematical Modeling (GSMM) Camp

The GSMM Camp is a workshop designed to teach graduate students a broad range of problem-solving skills, including mathematical modeling and analysis, scientific computation, and critical assessment of solutions. Guided by an invited faculty mentor, graduate students work in teams on highly interdisciplinary problems inspired by real industrial applications. As a result, the GSMM Camp provides a valuable educational and career-enhancing experience outside of the traditional academic setting.

The GSMM Camp is run in conjunction with the MPI Workshop held June 13-17, 2022 at Worcester Polytechnic Institute. The MPI Workshop focuses on real-world open-ended industrial problems and draws both faculty and student attendees. The skills obtained at the GSMM Camp allow participants to become valuable contributors to the problem-solving teams at the MPI Workshop. This event also provides mentoring and networking opportunities with academic and industrial representatives. GSMM Camp participants will automatically be registered for the MPI Workshop by default. Learn more about both the GSMM Camp and the MPI Workshop.

How do I apply?
Applications must be completed by **April 22, 2022** for full consideration, and successful applicants will be notified by early to mid-May.

Full financial support is available for all participants. The selection will be based on academic background and interests as indicated in the application form and on a letter of recommendation from a faculty sponsor. Women and students from underrepresented groups are especially encouraged to apply.

If you have questions, please contact us.:
Richard Moore - Director of Programs and Services - moore@siam.org

David Edwards- GSMMC Camp Director- dedwards@udel.edu

SageDays Duluth Workshop

SageDays Duluth, a workshop on development of SageMath in low-dimensional topology will take place at the University of Minnesota Duluth from June 6-9. In addition to increasing functionality in low-dimensional topology software, the workshop will introduce researchers to this software and its development.

There will also be lightning talks to facilitate the sharing of participants' research.

See the conference web site for more information including registration:
https://sites.google.com/d.umn.edu/sagedaysduluth/home

Email questions to: SageDaysDuluth@gmail.com

Organizers: Neil Hoffman and Kate Petersen

Polymath Jr Program

The Polymath Jr program is an online research program for undergraduates. The program consists of projects in a wide variety of mathematical fields. Each project is run by a professor who is an expert on that field, with PhD students and postdocs as additional mentors. In each project, we work towards proving a new result and publishing these in a paper. A lot more information can be found on our website

https://geometrynyc.wixsite.com/polymathreu

The participants do not receive funding, but can work as much as they want from wherever they want. You are welcome to choose what you want to get out of the program and spend an amount of time that fits that: from intense research work towards making mathematical breakthroughs, to just getting a first impression of how math research looks like.

Women and students from underrepresented minorities are highly encouraged to apply.

The only eligibility criteria is experience with proof writing. Preferably, participating in a college course that requires writing your own proofs. A letter from a math professor is also required in the application.

For any questions or comment, you are welcome to write to Adam Sheffer at adam.sheffer@baruch.cuny.edu

REU Program on Applied Mathematics and Computational and Data Science

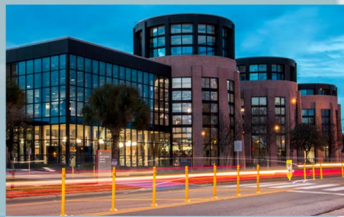*The University of Texas Rio Grande Valley*

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 meal allowance.

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 2022.

The program will run from June 13 to August 12, 2022.

Applicants must be full-time undergraduate students pursuing a major in the mathematical or statistical sciences in Fall 2022.

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

Review of applications will begin on April 1, 2022 and continue till spots are filled.
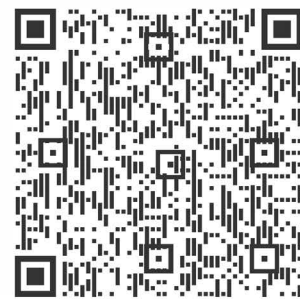
Topics:

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 and Dr. Hansapani Rodrigo

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

Submit your application

The University of Texas Rio Grande Valley

For more information send an email to 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

BAMM!

Bolstering the Advancement of Masters in Mathematics

Join our supportive and growing community of master's students and faculty mentors!

Enrollment at a BAMM! CSU Site is _required_:
- Cal Poly Pomona
- Fresno State
- San Francisco State University

Contact:
- John Rock, Cal Poly Pomona (jarock@cpp.edu)
- Kimberly Seashore, San Francisco State University (kimseash@sfsu.edu)
- Oscar Vega, Fresno State (ovega@csufresno.edu)
- Robin Wilson, Cal Poly Pomona (robinwilson@cpp.edu)

What is BAMM?

BAMM! provides financial support and mentoring for Master's students who wish to pursue a Ph.D. in the mathematical sciences. BAMM! is a fulfilling, cohort-based program in which each participant receives up to **$20,000** in scholarships (up to $10,000 per year for 2022-23 and 2023-24) at any of the three BAMM! CSU sites. Key features of BAMM! include a supportive community of fellow students and mentors, advanced coursework in the mathematical sciences, research experiences, continual guidance, and opportunities to attend conferences to network and gain experience presenting results.

Application Requirements

- A personal statement addressing a desire to pursue a Ph.D. in the mathematical sciences, including Pure Mathematics, Applied Mathematics, Statistics, and Mathematics Education.
- Two recommendation letters from mathematical sciences faculty.
- Unofficial transcripts from bachelor's-granting institution.
- A bachelor's degree conferred by August 2022.
- **Application Deadline: April 15th. 2022.** Apply online!
- **Website:** sites.google.com/mail.fresnostate.edu/bamm

Eligibility

Applicants for the BAMM! program must be:
- Eligible for Financial Aid (via FAFSA).
- U.S. citizens or permanent residents.
- Eventually admitted and enrolled in a Master's program for Fall 2022 in the mathematical sciences at a BAMM! CSU site: Cal Poly Pomona, Fresno State, or San Francisco State University.

Low-income students with demonstrated financial need and students from underrepresented groups in the mathematical sciences are particularly encouraged to apply.

Collaborative Undergraduate Biostatistics Experience (CUBE)

Mission Statement

The mission of the Collaborative Undergraduate Biostatistics Experience (CUBE) program is to provide undergraduate students who are underrepresented in STEM programs with training and mentorship in a real-world collaborative data science research project in the health sciences. The program also includes a professional development track that runs alongside the collaborative data science research experience, offering mentoring in communication, presentation skills, resume writing, career options, graduate applications, and much more.

What is CUBE?

CUBE is an 8-week training program designed to provide undergraduate students who are underrepresented in STEM programs the opportunity to engage in a full-time (~40 hours/week) collaborative data science experience in the health field, along with related professional development activities. The goal is to offer students an experience working with a real-world dataset under the mentorship of experienced data scientists and clinical experts, to help them determine if they want to pursue a career in collaborative data science, and to provide them with professional development skills for the workplace or for graduate school.

Who will host and mentor students?

Two students will be hosted and mentored by Virginia Tech faculty and staff on the Health and Technology campus in Roanoke, VA.
Two additional students will be hosted and mentored by University of Virginia faculty and staff in Charlottesville, VA.

Program Dates: June 6, 2022 through July 29, 2022

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

Where can students apply?
https://biostat.centers.vt.edu/cubeprogram.html

Application Deadline: April 30, 2022

Where will the students stay?

Students participating in Virginia Tech's program will be housed in a furnished apartment, equipped with a full kitchen, at the historic Patrick Henry Hotel.

Who supports the CUBE Program?

The integrated Translational Health Research Institute of Virginia (iTHRIV); Virginia Tech's College of Science and the Department of Statistics; the Fralin Life Sciences Institute (FLSI), the Institute for Society, Culture, and Environment (ISCE), and CBHDS.

More info about CBHDS at
biostat.centers.vt.edu/
Follow us on Twitter @VT_Biostats

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Department of Mathematics

POSTBACCALAUREATE CERTIFICATE IN MATHEMATICS

1 year program that offers students who have received a Bachelor's degree preparation for a PhD program in Mathematics

Studies in both pure and applied mathematics

Program consists of 4 graduate courses, serving as teaching assistants in undergraduate courses, mentoring, attending conferences, and aid in applying to graduate programs

Funding for ½ Tuition and approximately a $2,000 monthly stipend

contact //

Bernard Lidicky (515) 294-8136 lidicky@iastate.edu

Jason McCullough (515) 294-8150 jmccullo@iastate.edu

www.mathpostbac.org

MAA Project NExT
NEW EXPERIENCES IN TEACHING

Launch the NExT stage of your career

MAA Project NExT (New Experiences in Teaching) is a year-long professional development program for new(ish) or recent PhDs in the mathematical sciences. The program is designed to connect new faculty with expert teachers and leaders in the mathematics community and address the three main aspects of an academic career: teaching, research, and service.

Recent program sessions have included:

- getting your research and grant-writing off to a good start,
- innovative teaching and assessment methods and why they work,
- finding your niche in the profession,
- attracting and retaining underrepresented students,
- balancing teaching, research, and service demands,
- starting an undergraduate research program, and
- preparing for tenure.

MAA Project NExT Fellows join an active community of faculty who have become award-winning teachers, innovators on their campuses, active members of the MAA, and leaders in the profession.

MAA Project NExT welcomes applications from new(ish) and recent PhDs in postdoctoral, tenure-track, and visiting positions. We particularly encourage applicants from underrepresented groups, including women and minorities. Applications for the 2022 cohort of MAA Project NExT Fellows are due on **April 15, 2022** and can be found at **projectnext.maa.org**.

Project NExTers (Silver '19) at MAA MathFest in Cincinnati.

Application deadline: April 15, 2022
projectnext.maa.org • projectnext@maa.org

The Data Mine at Purdue University is Hiring!

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TO APPLY   **Corporate Partners Technical Specialist**

Job Summary   Requisition ID: 16968

Purdue University is looking for the right candidate to fill the newly created role of Corporate Partners Technical Specialist. This position is an entry-level professional and technical contributor on a project or work team on a day-to-day basis, in coordination with the Corporate Partner Senior Managers, The Data Mine (West Lafayette) staff, and research clientele associated with research and experiential learning projects.

Corporate Partners Technical Specialists will be expected to engage with the Indiana Data Mine statewide expansion and Corporate Research Partners fulfilling the objective to provide a valuable data science project experience for students, faculty, and corporate mentors.

Corporate Partners Technical Specialists will mentor and provide technical expertise to student teams and oversee the analysis of data, and compilation of results. This position is also expected to demonstrate procedures of analysis when needed; will participate in preparation of oral and written communication Including articles for publication, grant proposals, reports to sponsors, and conference presentations; will oversee undergraduate students concerning research which may require modification of procedures when considering resource capacity, limitations, or timeframe; will communicate with parties within and outside of area to explain facts, policies and practices related to the field of specialization. Requires theoretical knowledge of fundamental data science concepts typically obtained through specific education and training.

Required:
- Bachelor's degree
- 0 to 1 year of data science industry experience
- Organized and able to demonstrate project management skills for several projects simultaneously
- Skilled in active listening
- Skilled in problem solving
- Skilled in verbal and written communication skills, including presentation skills
- Skilled in data analytics skills and willingness to learn new methods
- Ability to interact with individuals at various levels across campus and external to the university, including senior leadership within companies
- Understands modern data science and big data skills, including but not limited to Python, R, SQL, UNIX, High-Performance Computing Systems

Preferred:
- Some data science industry experience (obtained through internships or past projects)
- Familiarity and/or experience with the Agile methodology

Additional Information:
- Purdue will not sponsor employment authorization for this position
- A background check will be required for employment in this position
- FLSA: Exempt (Not Eligible For Overtime)
- Retirement Eligibility: Defined Contribution Waiting Period

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

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

Presidential Postdoctoral Fellowship in Mathematical Biology (Job #92397)
The School of Mathematical and Statistical Sciences (SoMSS) at Arizona State University (ASU) invites applications for up to 2 postdoctoral scholar positions in the area of mathematical biology.

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

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

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

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

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

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

A background check is required for employment.

ASU is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. For more information on ASU's policies, please see: https://www.asu.edu/aad/manuals/acd/acd401.html and its complete non-discrimination statement at: https://www.asu.edu/titleIX/.

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

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

The Data Mine at Purdue University is Hiring!

PURDUE
UNIVERSITY

TO APPLY   **Senior Program Administration Specialist**

Job Summary   **Requisition ID: 18304**

Purdue University is looking for the right candidate to fill the role of Senior Program Administration Specialist with in the Data Mine at Purdue University. With this role you will serve as a senior program administration specialist for students in The Data Mine. Duties will include a combination of academic advising, registration, and recruiting activities. Advise current students as needed and meet with prospective students and families during recruiting events. Guide students in developing a plan of study within The Data Mine that supplements degree requirements. Communicate and work with various colleges, various learning communities, the Registrar, the Dean of Students and other University Offices to maximize student access and success.

Support students in evaluating and determining their interests and abilities as a link to selecting majors or programs. Effective planning, coordination, and supporting a student's academic experience is critical to the success of the student, the faculty, and the department. This position helps guide students from various disciplines through The Data Mine program in the manner that best meets his or her needs. Maintain a consistent pattern of contact to encourage a trusting relationship through multiple channels of communication. Knowledge of The Data Mine opportunities are key requirements for this position, along with effective presentation skills and the ability to effectively communicate one-on-one with undergraduate and graduate students.

Ensure that the various departments and students execute the appropriate policies and procedures to move the students through the process and maintain the appropriate records. Requires practical knowledge of area to apply fundamental concepts typically obtained through advanced education and experience.

Required:

- Bachelor's degree in education, business, public administration, academic advising or related field
- Four years of experience in advising or registration related responsibilities
- Excellent communication (oral/written) and interpersonal skills
- Knowledge of academic advising
- Demonstrated ability to interpret and administer academic policy as necessary
- Must be able to collaborate with faculty, staff, students, and parents.
- Must have excellent organizational skills, ability to multi-task, establish priorities, and resolve conflict
- Basic skills in Outlook, Word, Excel, and PowerPoint

Preferred:

- Master's degree in in education, business, public administration, academic advising or related field
- Knowledge of programs and majors at Purdue University
- Familiarity with MyPurdue, Banner, COGNOS

Additional Information:

- Purdue will not sponsor employment authorization for this position
- A background check will be required for employment in this position
- FLSA: Exempt (Not Eligible For Overtime)
- Retirement Eligibility: Defined Contribution Waiting Period
- Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply

Multiple Lecturer Positions in Math/Stat Announced
at Arizona State University

The School of Mathematical and Statistical Sciences at Arizona State University invites applications for up to four full-time, benefits-eligible lecturer positions in mathematics and/or statistics beginning August 16, 2022. Subsequent academic year renewals (Aug. 16 – May 15) are contingent upon performance, availability of resources, and the needs of the unit.

The essential duties will be to teach eight sections of lower division service level mathematics classes per academic year, either in-person, online, or both. In addition to instruction, the successful candidates will be expected to participate in appropriate professional service, which may include course coordination in multi-section classes and curriculum development.

Required Qualifications:
- A Masters or Ph.D. degree in mathematics, statistics, mathematics education, or a closely related field by August 10, 2022
- Demonstrated potential for excellence in-person and/or online instruction
- Demonstrated understanding of the importance of diversity, equity, and inclusiveness in the mathematical community

Desired Qualifications
- A documented record of excellence in classroom and/or online instruction
- Experience in teaching and curriculum development in beginning courses in college algebra, business mathematics, engineering mathematics, statistics, and/or courses designed for secondary teacher preparation in mathematics both in-person and online formats
- Demonstrated success working with diverse student and/or faculty populations
- Documented experiences and/or expertise indicative of strong support for individuals who have been systemically underserved in the mathematical sciences

Women and minority candidates are encouraged to apply. ASU provides eligible employees with parental and family leave and resources for working parents (https://math.asu.edu/family-resources).

To apply, please submit the following through **https://www.mathjobs.org:**
1. A cover letter that briefly explains the candidate's interest in, and fit with the position
2. A curriculum vitae that includes a list of the courses the candidate has taught, when those courses were taught, and what the candidate's role/responsibility was (e.g. instructor of record, lead recitations, online assistant, tutor, etc.)
3. A personal statement addressing the candidate's teaching experience and philosophy
4. A statement addressing how your past and/or potential contributions to diversity and inclusion will advance ASU's commitment to inclusive excellence.
5. At least two letters of recommendation that address the teaching and academic credentials must be submitted to MathJobs

The application deadline is 4:00 pm Arizona time Thursday, April 14, 2022, deadline will be given full consideration.
Applications will continue to be accepted on a rolling basis for a reserve pool after the deadline. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is closed.
The College values our cultural and intellectual diversity, and continually strives to foster a welcoming and inclusive environment. We are especially interested in applicants who can strengthen the diversity of the academic community. Learn more about what The College of Liberal Arts and Sciences has to offer by visiting https://thecollege.asu.edu/faculty.

A background check is required for employment.
Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other basis protected by law.
https://www.asu.edu/aad/manuals/acd/acd401.html. https://www.asu.edu/titleIX.

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

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

Fixed-Term Faculty Instructor in Mathematics Position Announced at Michigan State University

The Department of Mathematics at Michigan State University invites applications for a fixed-term faculty instructor position with an expected load of 6 courses per academic year split between teaching and coordinating. The department seeks candidates whose teaching or service has prepared them to contribute to our commitment to diversity and inclusion in higher education. The initial appointment, with an anticipated start date of August 16, 2022, will be for one academic year. Renewal for a multi-year appointment term up to three years will be considered based on available department funding and performance. In addition to teaching large lectures in gateway mathematics classes (ranging from quantitative literacy and college algebra through multivariable calculus), the successful candidate will also gain experience and training in coordinating instruction for large enrollment courses with multiple instructors of record. This will be done as part of a vibrant, diverse, and close-knit team of career instructional experts and mentors within the Department of Mathematics which serves over 10,000 students per year across various backgrounds and career interests. Once hired into the team, the new member can expect exciting instructional opportunities and career advice from their colleagues aimed at taking their instructional and mentoring capabilities to the next level. Other local resources—the Center for Instructional Mentoring (housed in the Department of Mathematics) and the MSU PRIME Program — will provide rich opportunities for additional instructional training and career development.

We seek candidates who have demonstrated the ability to teach effectively in multiple modalities, the potential to coordinate and lead a team of individuals with different instructional responsibilities, and a commitment to cultivating equitable and inclusive learning environments.

Applications should be submitted via MathJobs.org; see listing **#19665** or visit **https://www.mathjobs.org/jobs/list/19665** for detailed application instructions.

A background check is required for employment.

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

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

The evaluation process will begin on **March 21, 2022**, and review of applications will continue until the position is filled. Questions may be directed to the chair of the search committee, Prof. Willie Wong (wongwwy@math.msu.edu). Applicants are encouraged to explore the MSU Department of Mathematics website at **https://math.msu.edu**.

Tenure-Track Assistant Professor in Applied and Computational Mathematics Position Announced at Univ. of California, Riverside

The Department of Mathematics at the University of California, Riverside invites applications for an Assistant Professor position in Applied and Computational Mathematics, beginning on July 1, 2022. The desired specialties include the modeling of fluids, optimization, machine learning, and computational methods for nonlinear partial differential equations. This academic-year position is intended for the level of tenure-track Assistant Professor.

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

A Ph.D. in Mathematics and demonstrated excellence in research and teaching is required. The successful candidate will have made major contributions beyond the doctoral dissertation. People from underrepresented groups are particularly encouraged to apply.

To apply: go to https://apptrkr.com/2796986 and submit:
- Cover Letter
- Curriculum Vitae, including a list of publications
- Statement of Research
- Statement of Teaching, and (optionally) copies of teaching evaluations.
- Statement of Past and/or Planned Future Contributions to Advancing Diversity and Inclusive Excellence
- Letters of Reference – Applicants should provide 3 letters on research and one additional letter of recommendation on teaching.

Evaluation of applications will begin on **March 25, 2022** and will continue until the position is filled. For full consideration, applicants should submit their complete applications before the above date.

For more information about the position, please contact Dr. Mark Alber, Department of Mathematics: malber@ucr.edu. For inquiries regarding the application process, please contact Guadalupe Figueroa, Academic Personnel, at guadalupe.figueroa@ucr.edu.

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

UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

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

University of California COVID-19 Vaccination Program Policy
As a condition of employment, you will be required to comply with the University of California SARS-CoV-2 (COVID-19) Vaccination Program Policy. All Covered Individuals under the policy must provide proof of Full Vaccination or, if applicable, submit a request for Exception (based on Medical Exemption, Disability, and/or Religious Objection) or Deferral (based on pregnancy) no later than the applicable deadline. New University of California employees must (a) provide proof of receiving at least one dose of a COVID-19 Vaccine no later than 14 calendar days after their first date of employment and provide proof of Full Vaccination no later than eight weeks after their first date of employment; or (b) if applicable, submit a request for Exception or Deferral no later than 14 calendar days after their first date of employment. Federal, state, or local public health directives may impose additional requirements.

MEGL Outreach Director Position Announced
at George Mason University

The Department of Mathematical Sciences at George Mason University invites applications for a renewable 1-year position at the rank of Term Assistant Professor, to begin in August 2022, with the possibility of paid training during Summer 2022.

About us:
The Mason Experimental Geometry Lab (MEGL, https://megl.science.gmu.edu/) is a research and outreach program within the Department of Mathematics. The research branch of MEGL engages undergraduate and graduate students in semester-long faculty-led projects focused on visualization and computation, reaching approximately 24 students across 6 projects each semester. The outreach branch of MEGL engages the community through small-group activities at nearby schools, reaching approximately 1000 students through 30 events each semester.

Responsibilities:
The position is formally a Term Assistant Professorship, a full-time teaching position.

The MEGL Outreach Director devotes 50% effort to teaching 2 courses per semester and 50% effort to outreach tasks:

- Learning, scheduling, and conducting existing outreach activities, aiming each semester to conduct 30 activities reaching 1000 students,
- Coordinating the outreach team, consisting of 1 graduate assistant, 2 paid undergraduate assistants, and occasional volunteer assistants,
- Maintaining the outreach network, currently consisting of 260 schools, libraries, and other venues in the Northern Virginia region,
- As time permits, developing new material, including new activities or follow-up materials.

Required qualifications:

- Excitement to share mathematics with others via fun, hands-on activities,
- Enthusiasm for serving a diverse student body and outreach network,
- Demonstrated strong administrative and organizational skills,
- Experience delivering outreach content in mathematics,
- Mathematics teaching experience at the university level,
- Master's degree in mathematics, or equivalent coursework.
- Hold a Ph.D. Degree in mathematics or a closely-related field, or expect to receive one by Summer 2023,
- (A successful candidate who does not complete their PhD by Summer 2022 will be hired as an Instructor, and promoted to Term Assistant Professor upon completion of their PhD based upon evaluation of performance over total period of service.)

Preferred qualifications (not strictly required):

- Experience developing mathematical outreach activities,
- Experience in K-12 mathematics curriculum and pedagogy,
- Experience in group-based teaching methods,
- Research and leadership experience at a lab in the Geometry Labs United network.

For more information about the position, email the MEGL Director Anton Lukyanenko at alukyane@gmu.edu, or the Department of Mathematics at math@gmu.edu.

For full consideration applications must be received via https://www.mathjobs.org/jobs/list/19782 by **April 25, 2022,** but applications will be accepted until the position is filled. Applications must include a cover letter, curriculum vitae, teaching statement and at least 2 letters of recommendation, one of which discusses teaching. Letters specifically addressing this position's unique requirements are particularly welcome

Tenure-Track Assistant Professor in Pure Mathematics Position Announced at University of California, Riverside

The Department of Mathematics at the University of California, Riverside invites applications for an Assistant Professor position in Pure Mathematics with a specialization in either analysis or topology, beginning on July 1, 2022. This academic-year position is intended for the level of tenure-track Assistant Professor.

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

A Ph.D. in Mathematics and demonstrated excellence in research and teaching is required. The successful candidate will have made major contributions beyond the doctoral dissertation. People from underrepresented groups are particularly encouraged to apply.

To apply: go to https://apptrkr.com/2797337 and submit
• Cover Letter
• Curriculum Vitae, including a list of publications
• Statement of Research
• Statement of Teaching, and (optionally) copies of teaching evaluations.
• Statement of Past and/or Planned Future Contributions to Advancing Diversity and Inclusive Excellence
• Letters of Reference – Applicants should provide 3 letters on research and one additional letter of recommendation on teaching.

Evaluation of applications will begin on **March 25, 2022** and will continue until the position is filled. For full consideration, applicants should submit their complete applications before the above date.

For more information about the position, please contact Dr. Amir Moradifam, Department of Mathematics: amirm@ucr.edu. For inquiries regarding the application process, please contact Guadalupe Figueroa, Academic Personnel, at guadalupe.figueroa@ucr.edu.

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

UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

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

University of California COVID-19 Vaccination Program Policy
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Three-Year Lecturer Position in Mathematics Announced at the University of Virginia

The Department of Mathematics at the University of Virginia invites applications for a three-year Lecturer position on the academic general faculty, expected to begin August 25, 2022. The core responsibilities of this position include teaching six courses per year, three each during the spring and fall terms.

This is a three-year, tenure-ineligible appointment with the possibility of renewal, contingent upon available funding, satisfactory performance, and need for the position.

A Group 1 research department, the Department of Mathematics at the University of Virginia actively engages in research in a wide range of fields within algebra, analysis, topology, geometry, and the history of mathematics. The Institute of Mathematical Science further enhances the Department's research agenda through its sponsorship of numerous visiting scholars and speakers. Located on the University's Central Grounds, the Department and the Institute form part of what Thomas Jefferson called the "academical village," an interacting group of scholars in the humanities, the social sciences and the sciences. The University of Virginia is committed to teaching excellence and offers numerous opportunities for professional development. The University is an extremely vibrant and active intellectual community, located in Charlottesville, with easy access to the Blue Ridge Mountains, the state capital of Richmond, and Washington, D.C.

QUALIFICATION REQUIRMENTS: Applicants must hold a Ph.D. in Mathematics by the start of the appointment and have at least 2 years of teaching experience in Mathematics at the time of appointment, inclusive of teaching done as a graduate student. Preference will be given to applicants with demonstrated experience teaching calculus and linear algebra at the college level.

APPLICATION PROCEDURE: Apply online at https://uva.wd1.myworkdayjobs.com/en-US/UVAJobs/job/Charlottesville-VA/Lecturer-of-Mathematics--General-Faculty_R0031599 as well as www.Mathjobs.org. Please provide all the following information on both sites:
1) A cover letter describing your background in the teaching of mathematics.
2) An AMS Standard Cover Sheet.
3) A curriculum vitae with the contact information for three references.
4) A statement about teaching philosophy, and your past experience working on issues of diversity, equity, and inclusion and/or with diverse populations.

The applicant must also have three letters of recommendation submitted via the www.Mathjobs.org portal.

APPLICATION DEADLINE: Review of applications will begin on **February 18, 2022;** However, the position will remain open until filled.

The University will perform background checks on all new hires prior to making a final offer of employment. For information on the benefits available to members of the general faculty at UVA, visit hr.virginia.edu/benefits. For additional information about the position contact, please contact math-employment@virginia.edu. For questions about the application process, please contact Rich Haverstrom, Faculty Search Advisor, at rkh6j@virginia.edu .

UVA assists faculty spouses and partners seeking employment in the Charlottesville area. To learn more please visit https://dualcareer.virginia.edu/. For more information about UVA and the Charlottesville community please see http://www.virginia.edu/life/charlottesville and https://embarkcva.com/.

COVID Vaccination Requirement
Please visit this page prior to applying for current information regarding vaccination requirements for employment at UVA.

The University of Virginia, including the UVA Health System which represents the UVA Medical Center, Schools of Medicine and Nursing, UVA Physician's Group and the Claude Moore Health Sciences Library, are fundamentally committed to the diversity of our faculty and staff. We believe diversity is excellence expressing itself through every person's perspectives and lived experiences. We are equal opportunity and affirmative action employers. All qualified applicants will receive consideration for employment without regard to age, color, disability, gender identity or expression, marital status, national or ethnic origin, political affiliation, race, religion, sex (including pregnancy), sexual orientation, veteran status, and family medical or genetic information.

Multiple Visiting Assistant Professor Positions in Mathematics Announced at Wake Forest University

Department of Mathematics is seeking applications for several Visiting Assistant Professor positions. 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 three letters of recommendation from individuals who can speak knowledgeably about the candidate's teaching. Applicants are encouraged to post materials electronically at https://www.mathjobs.org/jobs/list/19495. 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, http://www.math.wfu.edu).

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

Tenure-Track Assistant Professor Position in Mathematics Announced at Georgia State University

The Department of Mathematics and Statistics at Georgia State University invites applications to fill a tenure-track Assistant Professor position in Applied or Computational Mathematics or Bioinformatics with a start date of August 2022.

Candidates in all areas of applied mathematics and bioinformatics are encouraged to apply. At time of appointment, applicants should have a PhD in Mathematics, Applied or Computational Mathematics, or closely related field. Preference will be given to candidates with postdoctoral experience. Candidates will be expected to demonstrate a commitment to excellence in research and teaching, as well as mentoring undergraduate and graduate students of diverse backgrounds, and have a strong desire to work in a cross-disciplinary, collaborative environment.

The Department offers B.S., M.S., and Ph.D. degrees in various areas of mathematics and statistics. Faculty members in the Department established nationally and internationally recognized research programs in both pure and applied mathematics and statistics, including applied algebra, dynamical systems, complex networks, machine learning, inverse problems, mathematical biology, computational mathematics, systems biology, modeling neural, cardiovascular, and multiorgan systems, physical and biomedical image analysis, as well as in collaboration with other GSU departments in epidemiology, pathogen genetics, immunology, and inflammation, and translational biomedical sciences. For more information please visit our website at https://www.mathstat.gsu.edu/.

GSU, 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 applying innovative measures to drive student success and research growth. Georgia State University is committed to diversifying its faculty and generating innovative research. We strongly encourage applications from members of underrepresented groups.

Applicants should submit: 1) a cover letter outlining qualifications and research interests, 2) a curriculum vitae with a publication list and (optional) a teaching and funding list, 3) a research statement, and 4) a teaching statement with evidence of teaching effectiveness. All materials should be submitted online at http://www.mathjobs.org. Applicants should also arrange for three letters of recommendation to be submitted online at http://www.mathjobs.org.

A formal review of applications will begin on November 15, 2021, and will continue until the position is 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.

Visiting Assistant Professor Position in Mathematics Announced at Amherst College

Applications are invited for a two-year visiting position in mathematics, at the rank of assistant professor, beginning July 1, 2022, with the possibility of renewal for one additional year. Over the past two decades, Amherst College has profoundly transformed its student body in terms of socioeconomic status, ethnicity, and nationality, among other areas. We seek applicants who can teach and encourage students of diverse backgrounds, including first-generation college students, international students, and students with varying mathematical preparation.

Responsibilities include teaching a range of undergraduate mathematics courses (two per semester) and helping with the senior comprehensive exam. Applicants must hold a Ph.D. in mathematics and have broad intellectual interests and a strong commitment to excellence in research and in undergraduate teaching. Submit cover letter, curriculum vitae, list of publications, research statement, teaching statement, and at least three letters of recommendation, including at least one specifically addressing teaching, to www.MathJobs.org.

Applications will be accepted until the position is filled, but all applications received by April 15, 2022, will be guaranteed consideration

See www.amherst.edu/academiclife/provost_dean_faculty/faculty_hiring/employment for details of the position, and www.amherst.edu/academiclife/departments/mathematics-statistics/ for details about the department. Questions can be addressed to mathstats@amherst.edu.

Amherst College is a private undergraduate liberal arts college, with 1,800 students and more than 200 faculty members. Located in the Connecticut River Valley of western Massachusetts, Amherst participates with Hampshire, Mount Holyoke, and Smith Colleges and the University of Massachusetts in the Five-College Consortium. The college has a variety of resources for faculty, including a Center for Teaching and Learning and a Center for Community Engagement.

Amherst College is an equal opportunity employer and encourages persons of all genders, persons of color, and persons with disabilities to apply. The college is committed to enriching its educational experience and its culture through the diversity of its faculty, administration, and staff.

Lecturer Position in Mathematics Announced at Clemson University

The School of Mathematical and Statistical Sciences at Clemson University invites full-time lecturer position applications. The position depends on teaching needs, but areas of interest include calculus, business calculus, mathematics education, elementary statistics, and business statistics. Applicants must have an M.S. degree in a relevant field, but a Ph.D. is preferred.

Review of applications will begin on **April 7, 2022,** and continue until the positions are filled. To apply and see the complete ad, please visit https://apply.interfolio.com/101525.

Clemson is an AA/EEO employer funded by an NSF ADVANCE institutional transformation grant: https://www.clemson.edu/provost/tigers-advance/.

HRD has Three IPA Positions Available at NSF

HRD is again recruiting for **3 IPA positions** and if you know of colleagues and friends in your institutions/ communities/professional organizations who may be interested in coming to NSF for 3 years, please share the link for this posting: https://beta.nsf.gov/careers/openings/ehr/hrd/hrd-2022-35518.

These positions will work with any of the 5 programs or combination thereof: Alliances for Graduate Education and the Professoriate (AGEP), Centers of Research Excellence in Science and Technology (CREST), Historically Black Colleges and Universities (HBCU-UP), Improving Undergraduate Stem Education: Hispanic Serving Institutions (HSI program), and Louis Stokes Alliances for Minority Participation (LSAMP).

The positions will be open until filled.