Thoughts from the Director...

As I am writing this, it is 3AM Friday morning, and I am looking forward to visiting virtually with all of our friends, colleagues, and especially our Math Alliance Scholars in the Gulf States at the Gulf States Math Alliance (GSMA) Conference Friday afternoon. I am excited to take part in this wonderful event, and feel confident we’ll be meeting somewhere down there next February.

Speaking of exciting, we are announcing the 2022 Field of Dreams Conference!!! Look for the full announcement elsewhere in this newsletter, and in particular save the dates November 4-6! We hope to see you there.

February is Black History Month (BHM) and while we don’t limit our recognition of our African American colleagues to this one (shortest) month of the year, it is a time when several publications take time to highlight such contributions. I’ll call your attention to two particular things, not just because our Math Alliance Community is well represented, but because they are sources of inspiration. One is the Mathematically Gifted and Black website which honors an African American mathematical scientist each day of the month. As I said, many of these honorees are connected with our community and we list them elsewhere in this newsletter. These are all great stories and I encourage you to take a few minutes to read them. The second is the February Notices of the AMS, which is (as it has been since 2018) a special edition dedicated to BHM. Our staff highlighted the Math Alliance community members who appear in the February Notices in our January Newsletter. I have sometimes summarized some of the content in the BHM issue in this column, but I could not do any better than is done by our colleague, Math Alliance Mentor, and Notices Associate Editor, Asamoah Nkwanta of Morgan State in his “A Word From…” article there. I particularly appreciate Dr. Nkwanta making mention of the several important folks we’ve lost recently and he mentions two who were influential in my work, Nate Dean and Janice Oldham, and we do miss them very much. Thank you Asamoah!

I want to mention two other articles in the February Notices. The first is “From CAARMS25 to CAARMS 2021 and Beyond: Conferences for African-American Researchers in the Mathematical Sciences” by William A. Massey. The other is “Dr. Raymond L. Johnson: A Mathematical Journey and Some Reflections on African Americans in Graduate Mathematical Sciences Programs in the US”, by Tasha Innis, Raymond L. Johnson, and Sherry Scott. There is (for me) a connection between these two articles. The Raymond Johnson article not only mentions the Math Alliance, Phil Kutzko, and me (all of which I am very honored by), but more importantly discusses what characteristics make a program a good place for African American students to pursue their graduate studies. We have a formulation, and formalization of this as a Math Alliance Graduate Program Group (GPG). Raymond Johnson’s discussion of this topic captures very well, many (and maybe most) of these key characteristics, and so I recommend it to all, but especially those who are considering forming GPGs, or those who want to know about what a GPG is.

Raymond Johnson became the Graduate Chair at University of Maryland, College Park, at the end of my first year in the doctoral program there, and became Department Chair in my last year, 1990-91. Because I was interested in Harmonic Analysis, and attended that seminar, I saw him give several beautiful lectures, and as Graduate Chair he was always generous in discussing things of concern. He was probably the first faculty member I knew who was clearly a great researcher while also devoting a great deal of effort to broadening participation. So, Raymond Johnson has always been a role model of great professionalism and impact to me. A few years after I finished my degree, I was spending a year at MSRI when first CAARMS conference was held in 1995. So, I was lucky to be able to attend by just walking out my door. At that conference I had my first conversations with Bill Massey, for whom I quickly developed great respect, and over the years I have had several important conversations with Bill which have helped me do this work better. I also had a couple of very formative conversations with Raymond Johnson at that conference. I have always remembered those, including one where Ray, in his very gentle and kind way, helped me see how naïve I was about some things. So, the CAARMS conference in 1995 connects Bill and Ray for me in a very visceral way, and there is a through line for my work at Purdue, which brought me to the Math Alliance, which runs right through that event.

There are several places, including the one in the February Notices, which document Raymond Johnson’s inspiring story, and his tremendous contributions to the production of African American mathematical sciences doctorates. One of the great things about the article in the Notices is the picture of Ray with President Obama when he received the Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring (PAESMEM) in 2015. I remember my response to reading of this award when it was announced, which was not only being very happy to see Ray recognized in this way, but also disbelief that he hadn’t won it much earlier. This is the highest honor one can win as a STEM mentor in this country. We have many PAESMEM winners among our Math Alliance Mentors, and we are very proud of that fact. I was so pleased to see Math Alliance Mentor Minerva Cordero, of University Texas, Arlington, was among the most recent recipients!! Congratulations Minerva, it is very much deserved!
March

Celebrating Karen Parshall as an Advisor by Della Dumbaugh, Patti Hunter, Sloan Despeaux*, Deborah Kent, and Laura Martini.

An Unlikely Cohort: Disrupting the Stereotypes about Mathematicians and their Careers by Taryn Butler Lewis, Tasha R. Inniss, Monica Jackson, and Calandra Tate Moore. Several of our community members are mentioned in the article:

- Kayla Davie†
- Danielle Middlebrooks†
- Karamatou Yacoubou Djima*
- Kimberly Weems*

Circles Great and Small by Danny Calegari*

*Math Alliance Mentor †Math Alliance Scholar

Items of Interest in the AMSTAT NEWS

February

Celebrating Black History Month- Adrian Coles*, Renee H. Moore*, and Loni Philip Tabb*

Beyond Big Data: Supporting Students and Early-Career Professionals, Rebecca Doerge* is a Panelist.

Meet the ASA’s 2022 Incoming Editors. Several of the new editors are Math Alliance Mentors:

- Nicholas Horton* for JSDSE
- Galin Jones* for JCGS
- Wenbin Lu* for JNPS

Sacks Award Winners to Speak During JSM Invite Session. The 2022 winners are Marc Suchard, Francesca Dominici, and Jeremy Taylor*.

*Math Alliance Mentor †Math Alliance Scholar
Math Alliance Mentor David Manderschied appointed Director of NSF’s Division of Mathematical Sciences

The NSF Directorate of Mathematical and Physical Sciences (MPS) has announced the appointment of Professor David Manderscheid, University of Tennessee, Knoxville, as the new Director of the Division of Mathematical Sciences (DMS). Professor Manderscheid earned his PhD from Yale in 1981, and has made significant research contributions in the fields of $p$-adic representation theory and number theory. But perhaps of most significance to our Math Alliance community is that he served as Director of the Graduate Program and then as Chair of the Department of Mathematics of the University of Iowa during the period 1997-2007, a period during which the Department initiated and scaled up its highly successful minority graduate student initiative. These efforts have been recognized by several national awards, among them the 2004 PAESMEM award which Manderscheid received on behalf of the Department in a White House ceremony. The Math Alliance, as well as its precursor, The Alliance for the Production of African American Ph.D.s in the Mathematical Sciences, was founded during this period and Manderscheid's support and leadership as Departmental administrator was critical to its success.

Following his tenure as Chair at University of Iowa, he served as Dean of Arts and Sciences at University of Nebraska, Lincoln, the Dean of Arts and Sciences at The Ohio State University, and Provost at University of Tennessee, Knoxville. At all these institutions, Dr. Manderscheid was influential in helping raise the visibility of the Math Alliance in campus departments, and several Math Alliance Graduate Program Groups were formed under his executive leadership.

Professor Manderscheid will succeed Juan Meza, University of California, Merced, who has served in this role for four years, and who has had significant impact on broadening participation in the mathematical and statistical sciences. We want to thank Professor Meza for his service to our profession and disciplines, and we congratulate Professor Manderscheid on this significant appointment.

2022 Field of Dreams Conference to be held in person!!
November 4-6, Minneapolis, MN.
SAVE THE DATE!!

The Math Alliance and the Institute for Mathematics and its Applications (IMA) are looking forward to holding the 2022 Field of Dreams Conference November 4-6 in Minneapolis, MN. The conference will continue our tradition of providing students with information about doctoral study and professional opportunities in the quantitative sciences as well as strategies for applying to and succeeding in graduate programs. And it will serve to bring together our Scholars, Mentors and other members of our Math Alliance community.

Appropriate COVID safety measures will be implemented to include vaccinations and masks as recommended by the CDC, Minnesota Department of Health, and the University of Minnesota. IMA has agreed to livestream at least some of the sessions for those unable to attend, and those details will be worked out as the Agenda Committee continues their work.

We are very excited to be returning our Field of Dreams Conference to an in-person format. We hope many of our mentors, graduate students, and partners will be able to join us!
Mathematically Gifted and Black

The 2022 Honorees have been announced on the Mathematically Gifted and Black Website. The honorees that are listed below are part of our Math Alliance Community:

2/1- Johnny Brown*

2/5- Isaac Harris*†

2/9- Aqueeb Sabree*†

2/13- Ronald Page II*

2/16- Adrian Coles*

2/21- Camille McKayle*

2/28- Christian McRoberts†

*Math Alliance Mentor  †Math Alliance Scholar

Symmetries in Graphs, Maps, and Polytopes Workshop

The Symmetries in Graph, Maps, and Polytopes Workshop 2022 will be held July 10-16, 2022 at the University of Alaska Fairbanks campus. SIGMAP has been providing researchers interested in symmetries of discrete objects and structures to meet, share results, discuss open problems, and start new collaborations since the first SIGMAP workshop was organized by Stephen Wilson in 1998 in Flagstaff, Arizona, and has been held every four years since.

More information about the workshop is available at www.alaska.edu/sigmap.

Thanks to support from the National Science Foundation, we’ll be able to provide a limited number of participants with support for their travel and participation in the workshop. Priority for the funding will be given to mathematicians from under-represented groups and early career mathematicians.

More information will be available soon on the SIGMAP website.
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.

Funded by NSF S-STEM grants DUE-1930373, DUE-1930419, and DUE-1930553.
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
The Computer Science Department at the University of Iowa will conduct a 10-week summer research program funded by the National Science Foundation (NSF). Our site is motivated by the considerable strain on the U.S. healthcare system due to short-term challenges, such as those posed by the COVID-19 outbreak, and long-term trends, such as an aging U.S. population. Computer scientists are in a unique position to help solve these and other problems in health and well-being. Ten participants will join their faculty mentor's research group to work on interdisciplinary projects.

### Program Highlights

- $6,000 stipend
- On-campus housing and food
- Mentored research experience
- Research Bootcamp
- Career development workshops
- Fun social events and more

### Qualifications

- US citizen or permanent resident
- Major in Computer Science or related field
- Available to attend entire 10 weeks
- Full time student in good academic standing
- Returning for at least one semester of undergraduate study before graduation
- Students from populations underrepresented in STEM fields or from academic institutions with limited research opportunities are encouraged to apply
- Students with disabilities are encouraged to apply

### Apply

Applications will be reviewed on a rolling basis until all positions are filled. To apply or learn more visit: [cs.uiowa.edu/~kleimn/reu/](cs.uiowa.edu/~kleimn/reu/)

### Contact Information

Dr. Elizabeth Kleiman
uicsreu@gmail.com
We are recruiting eight undergraduate students from a diverse range of academic backgrounds for our 2022 Mathematical Biology Team Science (MBioTS) Research Experience for Undergraduates (REU) program at Clarkson University, in Potsdam, New York.

**Program Dates:** May 23rd – July 30th, 2022

This is a ten-week interdisciplinary, in-person summer research experience, introducing students to collaborative research at the intersection of biology and mathematics. For more details and to apply, check out our website:

https://www.clarkson.edu/mbiots-research-experience-undergraduates-reu

**Application Deadline**
11:59 p.m. (EST) March 1st, 2022

**What to expect in this program:**
- An immersive team science research experience using both experimental and theoretical approaches to tackle a range of biological questions from ecology, evolution, cell biology, and public health.
- Financial package including:
  - $5000 summer research stipend
  - $120/week food stipend (10 weeks)
  - Round trip travel to and from Potsdam, NY
  - On campus housing with a kitchenette
- Each participant will focus on either the biological or mathematical aspect of their collaborative team research but will gain exposure to both.
- An emphasis on building skills for collaborative research and effective communication across disciplines.
- Close mentoring from experienced faculty in both the Biology and Mathematics Departments at Clarkson University.
- Regular research and professional development seminars, social events, and field trips.

**Applicants must be:**
- Excited about doing collaborative science in Biology and Math!
- A citizen or permanent resident of the United States.
- Enrolled in an undergraduate college program for the Fall 2022 semester.
- Completed Calculus II or equivalent.
- Fully vaccinated for COVID-19 (including booster), willing to observe on-campus masking and social distancing regulations (details here).

Questions? Contact the program co-directors:
Dr. James Greene (Math, jgreene@clarkson.edu) or Dr. Susan Bailey (Bio, sbailey@clarkson.edu)
10–Week Summer Program
May 17th – July 22nd 2022
The program is designed to prepare undergraduate students for graduate research careers in the Statistical Sciences. Students will have the opportunity to learn about statistical and computational sciences and will engage in a research project in one of the following areas: Extreme Value Theory, Multiple Comparisons, Multivariate Survival Analysis, Modelling of the power grid, and other biomedical and Statistical Problems.

Students will receive a $5,000 stipend for the 10 weeks and up to a $600 to cover travel expenses. Lodging and meals will be provided for.

Eligibility
- Students majoring in mathematics, computer science, statistics, or related field who have had the calculus sequence and a course in linear or matrix algebra
- Must not hold any undergraduate degree by the end of summer 2022
- Must be a US citizen or permanent resident

Applications deadline is
March 15th, 2022
Application can be
requested from
jrojo@iu.edu

Grant support through the National Science Foundation and the National Security Agency
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.

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

Senior Program Administration Specialist

Job Summary

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
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](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.
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.

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Two Faculty Positions in Mathematics Announced at Saint Louis University

Saint Louis University invites applications for full time permanent positions in the Department of Mathematics and Statistics. These positions will begin in August, 2022. **Applications received by 1/4/2022 are assured of full consideration.**

Our department currently consists of twenty-four faculty members whose research areas include algebra, analysis, geometry, topology, statistics, and mathematics education. We offer both the Bachelor of Arts and Bachelor of Science degrees in mathematics at the undergraduate level and participate in the interdisciplinary Bachelor of Science program in Data Science. At the graduate level, the Department offers both the Master of Arts and Doctorate of Philosophy in mathematics. The Department web page is [http://mathstat.slu.edu](http://mathstat.slu.edu).

Saint Louis University is an equal opportunity/affirmative action employer. All qualified candidates will receive consideration for the position applied for without regard to race, color, religion, sex, age, national origin, disability, marital status, sexual orientation, military/veteran status, gender identity, or other non-merit factors. We welcome and encourage applications from minorities, women, protected veterans, and individuals with disabilities (including disabled veterans). If accommodations are needed for completing the application and/or with the interviewing process, please contact Human Resources at 314-977-5847.

**Tenure Track Assistant Professor**

Ph.D. required in Mathematics or a related area. The department seeks candidates with outstanding potential in both research and teaching, who will contribute to the overall strength of the department. Candidates should demonstrate the ability to enhance established research groups at SLU. The department is especially interested in candidates whose research program also has an applied, statistical, or computational component.

Duties include:
- Maintaining an active research program.
- Teaching both undergraduate and graduate courses, with a typical load of two courses per semester for active researchers.
- Eventual participation in the supervision of master’s theses and doctoral dissertations.
- Participation in department governance and university service.

Application materials must be submitted through [MathJobs](http://mathjobs.org). The application should include: CV, statement of research interests, teaching statement, and three letters of recommendation (including at least one that addresses teaching).

**Non-tenure-track Assistant Professor**

Ph.D. required in Mathematics, Statistics, or a related area. The department seeks candidates who are established and excellent educators, who can contribute to the educational mission of the department. Candidates should demonstrate an engagement with the scholarship of teaching and learning through publications or other professional activities.

Duties include:
- Teaching undergraduate courses, with a typical load of three courses per semester.
- Leadership in curricular development.
- Engagement with the scholarship of teaching and learning.
- Participation in department governance and university service.

Application materials must be submitted through [MathJobs](http://mathjobs.org). The application should include: CV, statement of teaching interests and experience, and three letters of recommendation (including at least two that address teaching).

Visit the department website [mathstat.slu.edu](http://mathstat.slu.edu) for details.
Anticipated tenure-track position in applied mathematics at the Assistant Professor level to begin August 2022. Current faculty interests in applied and computational mathematics include partial differential equations, data science, optimization, mathematical biology, and applied and computational harmonic analysis.

**Required Qualifications:**
PhD in mathematics or its equivalent required at the time of appointment. Demonstrated potential for excellence in research and teaching are required.

**Preferred Qualifications:**
Preference will be given to applicants with expertise in differential equations, a background in the teaching of college algebra, and a record of supporting STEM and undergraduate education for a diverse student body.

**University and Department Description:**
Northern Illinois University (NIU) is a research-focused (R2 Carnegie ranking) regional university. Our research active mathematics faculty have a 2+2 teaching load and have the opportunity to teach and advise graduate students in our M.S. and Ph.D. programs. We seek faculty who embrace NIU’s mission of providing opportunity to a diverse student body by providing them with access to high quality education and hands-on involvement in research/artistry and community engagement.

**Salary:** Commensurate with experience, education, and qualifications; includes a robust benefits package.

**Application Procedures:**
Application materials include a current curriculum vitae, doctoral transcripts, three letters of reference, description of research program, a statement of teaching philosophy, and a diversity statement. One of the letters of reference should address the applicant's teaching.

For full consideration, applicants should submit application materials to [https://employment.niu.edu/postings/59785](https://employment.niu.edu/postings/59785) by **December 1, 2021**. Applications received after **December 1, 2021** are welcomed, but will be considered as needed.

Pre-employment background check and verification of eligibility to work in the United States is required.

**Equal Employment Opportunity Statement**
Northern Illinois University (NIU) is committed to fostering a diverse and inclusive academic global community; as an AA/EEO employer, NIU considers qualified applicants for employment without regard to, and does not discriminate on the basis of, gender, race, color, national origin, sexual orientation, religion, protected veteran status, disability, or any other legally protected status.
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 REQUIREMENTS: 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](https://uva.wd1.myworkdayjobs.com/en-US/UVAJobs/job/Charlottesville-VA/Lecturer-of-Mathematics--General-Faculty_R0031599) as well as [www.Mathjobs.org](http://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](http://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/](https://dualcareer.virginia.edu/). For more information about UVA and the Charlottesville community please see [http://www.virginia.edu/life/charlottesville](http://www.virginia.edu/life/charlottesville) and [https://embarkcva.com/](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.
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.
The Department of Mathematics & Statistics at Wake Forest University invites applications for two or more Teacher-Scholar Postdoctoral Fellow positions available beginning July 2022. Applications are invited from all areas of Mathematics including Mathematics, Applied Mathematics, and Computational Mathematics. Holders of this position will teach two courses per semester.

The Department of Mathematics & Statistics 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.

We seek highly qualified candidates who have a commitment to excellence in both teaching and research. Primary consideration will be given to candidates whose research interests overlap with existing faculty. A Ph.D. in Mathematics, Applied Mathematics or a related area is required. The department has thirty-nine members and offers both a B.A. and a B.S. in Mathematics, a B.A. and a B.S. in Mathematical Statistics, a B.S. in Applied Mathematics, a B.S. in Mathematical Economics, and a B.S. in Mathematical Business. The department has a graduate program offering an M.S. with a track in each of Mathematics and Mathematical Statistics.

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, a curriculum vitae, a teaching statement, graduate transcripts, and three letters of recommendation, at least one of which largely addresses teaching. Applications will be accepted until the position is filled, but to guarantee full consideration, applications should be complete by January 14th, 2022.

Applicants should post materials electronically at https://www.mathjobs.org/jobs/list/18628.

Wake Forest University is an AA/EO employer and values an inclusive and diverse learning community and campus climate.
Brooklyn College, a senior College of the City University of New York (CUNY), invites applications for four Lecturer positions in the Department of Mathematics within the School of Natural and Behavioral Sciences with a starting date in August 2022. The positions require teaching a variety of undergraduate courses, with a focus on improving undergraduate success rates in the calculus sequence (college algebra, precalculus, calculus 1 and 2). Lecturers are eligible for a certificate of continuous employment (CCE) upon the sixth reappointment in the title that follows five years of continuous service in the title.

The successful candidate will be part of a University and College wide cohort of faculty lecturers who engage actively with one another in pedagogical development toward achieving excellence in innovative and student-centered teaching. A commitment to teaching effectiveness and student engagement through advisement, regular office hours, and other service activities are required.

Responsibilities include:
- Teach and develop curricula for undergraduate courses, including college algebra, precalculus, calculus, and post-calculus courses required for majors in mathematics and other disciplines.
- Conduct student advisement
- Share responsibility for committee and department assignments, performing administrative, supervisory, and other related functions.
- Assignments may include administrative and/or other functions.

QUALIFICATIONS - Bachelor’s degree in area(s) of expertise, and the ability to teach successfully.

Preferred Qualifications
- Master’s degree in mathematics, mathematics education or related field.
- Demonstrated potential for effective teaching at the undergraduate level to students of varying levels.
- Collegiality and the ability to collaborate with others for the good of the Department of Mathematics, School of Natural and Behavioral Sciences, and Institution.

COMPENSATION
Salary commensurate with experience and credentials. All appointments are subject to financial availability. CUNY offers faculty a competitive compensation and benefits package covering health insurance, pension and retirement benefits, paid parental leave, and savings programs. We also provide mentoring and support for research, scholarship, and publication as part of our commitment to ongoing faculty professional development.

HOW TO APPLY
STEP ONE — Submit Application via the CUNY online application system
From our job posting system, select “Apply Now”, create or log in to a user account, and provide the requested information. If you are viewing this posting from outside our system, please visit this site
Applicants should upload the following in .doc or .pdf format:
- An application letter indicating the desired position, and should detail how their teaching, service and/or scholarship has supported the success of students from racial, ethnic, and gender backgrounds that are underrepresented in their academic fields; applicants who have not yet had the opportunity for such experience should note how their work will further CUNY’s commitment to diversity.
- Current and detailed curriculum vitae
- Teaching Statement

STEP TWO – Submit Reference Contact Information by visiting www.brooklyn.cuny.edu/hrref/
All applicants are required to have three confidential letters of recommendation submitted electronically by their recommenders by visiting the link above and entering the contact information for three (3) recommenders. The online system will automatically email your recommenders a request to submit a letter via the system. Full instructions will be provided. Emailed or hard copy applications will not be considered.

CLOSING DATE: Review of applications to begin immediately and will continue until filled.

EQUAL EMPLOYMENT OPPORTUNITY
CUNY encourages people with disabilities, minorities, veterans and women to apply. At CUNY, Italian Americans are also included among our protected groups. Applicants and employees will not be discriminated against on the basis of any legally protected category, including sexual orientation or gender identity. EEO/AA/Vet/Disability Employer.
Visiting Assistant Professor Position in Mathematics
Announced at University of Cincinnati

The Department of Mathematical Sciences at the University of Cincinnati is seeking applicants for multiple Visiting Assistant Professorships to teach courses in mathematics and/or statistics at the undergraduate level. Appointments will begin on August 15th, 2022 and will initially be for one year with the possibility of renewal for a second year. Teaching load will nominally be 12-15 credit hours distributed over the Fall and Spring semesters, and may include courses that are 3, 4 or 5 credit hours. There may be the opportunity to conduct research, with priority given to those with research interests in, but not limited to, the areas of Analysis, Applied Mathematics, Statistics, and Probability.

The Department of Mathematical Sciences is dedicated to excellence in both research and teaching. The department has a graduate program offering MS and PhD degrees in mathematics and statistics with teaching faculty that are dedicated to excellence and quality in both research and teaching.

Minimum Qualifications: Candidates must have a PhD in mathematics, statistics, or a closely related field prior to the effective date of the appointment.

Application Process: Candidates must apply online via the UC recruitment system (https://jobs.uc.edu Search Requisition # 80721), complete the diversity and inclusion statement, and upload the following documents to either the UC recruitment system or on Mathjobs.org at https://www.mathjobs.org/jobs/list/19510:

- Cover letter.
- Copy of current curriculum vitae.
- Description of research, if applicable.
- Description of teaching experience, if applicable.
- Candidates must also arrange to have three confidential letters of recommendation submitted via mathjobs.org, or sent via email to diemlenl@ucmail.uc.edu, at least one of which addresses teaching expertise.

Review of applications will begin on March 1st, 2022 and the posting will remain open until all positions are filled.

FOR ALL FACULTY HIRES OFFICIAL ACADEMIC TRANSCRIPTS WILL BE REQUIRED AT THE TIME OF HIRE

The University of Cincinnati, as a multi-national and culturally diverse university, is committed to providing an inclusive, equitable and diverse place of learning and employment. As part of a complete job application you will be asked to include a Contribution to Diversity and Inclusion statement.

As a UC employee, and an employee of an Ohio public institution, if hired you will not contribute to the federal Social Security system, other than contributions to Medicare. Instead, UC employees have the option to contribute to a state retirement plan (OPERS, STRS) or an alternative retirement plan (ARP).

The University of Cincinnati is an Affirmative Action / Equal Opportunity Employer / Minority / Female / Disability / Veteran.
The Department of Mathematics at Temple University seeks applications for a one-year NTT Research assistant professor (non-tenure track) position, in the area of Geometry and Topology. The faculty mentor for this position is Dr. Samuel Taylor.

The position is intended for new or recent Ph.D.s with strong research potential and excellent teaching skills. Candidates should have a Ph.D. in mathematics by the time of appointment. This is a one year position with an appointment date starting July 1st, 2022, and with a 2-2 teaching load. Applications should be submitted through mathjobs.org and include the standard AMS Cover Sheet for Academic Employment, a cover letter, a CV, a research statement, a teaching statement, and three letters of recommendation, one of which should address the candidate’s teaching qualifications. Please direct all inquiries to mathematics@temple.edu.

Screening of applications will begin on March 1st, 2022, and will continue until the position is filled. Temple University is an Affirmative Action/Equal Opportunity Employer, and is committed to increasing the diversity of its faculty. We especially encourage applications from women, minority candidates and other underrepresented groups in the mathematical sciences.

The Department of Mathematics at Temple University abides by the AMS postdoctoral offer response date guidelines.

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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/.

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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.
Thrive Summer Academy Math Professor Position
Announced at (Amherst)

We are seeking a Math Professor to teach one Calculus-series section (sections range from pre-calc to multivariable calculus) of approximately 20-25 students, at the University of Chicago from June 29 to August 9. The section is focused on helping our Scholars further develop the math skills they will need to excel in calculus-based courses at a selective college. The course will meet between 12-15 hours per week, and will include a combination of professor-led instruction and opportunities for students to engage in hands-on and collaborative work.

The Math Professor will be supported by two Assistant Instructors, who may be undergraduate students, graduate students, or college faculty that the Math Professor selects, with approval from Thrive Scholars staff. The Professor and Assistant Instructors are expected to be present for the entirety of the course time each day, and available for a minimum of 2 hours of office hours during the week.

The Math Professor will be expected to participate in an orientation and in course planning before the program begins.

**Salary**: The Math Professor will be paid $15,000 and the Assistant Instructors will be paid between $4.5K (for undergraduate students) and $6K (for graduate students) for the Summer.

**Housing**: Room and board will be provided, and covered by Thrive Scholars, for non-local faculty and assistant instructors.

**The Ideal Candidate:**
- Experience teaching calculus-based course in a selective college setting required
- Experience teaching and engaging high school students
- Passion for and experience in working with a diverse, underserved community of high school and rising college students

**COVID-19 Vaccine Requirement**
Thrive has instituted a COVID-19 vaccine mandate for all employees, including remote staff. Individuals selected for job opportunities must be fully vaccinated, and show proof of vaccination status, in advance of your hire date. Individuals are considered fully vaccinated 14 days after receiving their second dose in a two-dose vaccine (Pfizer or Moderna) or one dose of a single-dose vaccine (Johnson & Johnson).

If you are unable to be vaccinated for medical reasons or sincerely-held religious beliefs, Thrive will consider requests for reasonable accommodations consistent with our policy, and where we are able to provide such accommodations without undue hardship to the organization pursuant to applicable law. Any such accommodation must be approved in advance of the hire date.

Thrive Scholars provides equal employment opportunities (EEO) to all employees and applicants for employment and prohibits discrimination and harassment based on race, color, religion, gender, gender identity, national origin, sexual orientation, age, disability, or veteran status.

Knowing its importance to the success of our work, Thrive Scholars is committed to diversity and inclusion, and we aspire to build a diverse staff team and community. We strongly encourage people of all backgrounds to apply. We appreciate your time and will review and respond to all applications received.

Applicants must be authorized to work in the United States.

We are seeking a Math Professor to teach one Calculus-series section (sections range from pre-calc to multivariable calculus) of approximately 20-25 students, at the University of Chicago from June 29 to August 9. The section is focused on helping our Scholars further develop the math skills they will need to excel in calculus-based courses at a selective college. The course will meet between 12-15 hours per week, and will include a combination of professor-led instruction and opportunities for students to engage in hands-on and collaborative work.

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**Housing:** Room and board will be provided, and covered by Thrive Scholars, for non-local faculty and assistant instructors.

**The Ideal Candidate:**
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