

OCTOBER- 2023

THE MATH ALLIANCE



DR. DAVID GOLDBERG
Director

Ready or not we are at that time. The Field of Dreams Conference will take place this week (Friday Nov 3- Sunday Nov 5) and I like to think we are (mostly) ready. There is still a lot of work to do, and a few changes afoot, but I know that in the end everything will come together, and we will have a great conference.

We just announced that, due to our original speaker having to cancel, the Math Sciences Lecture will be given by Dr. Shanise Walker, of Clark Atlanta University. We really appreciate Dr. Walker stepping into this role on such short notice. One significant note is that, I believe, Dr. Walker will be the first plenary speaker at a Field of Dreams Conference who attended the conference before receiving their doctorate! She attended as a doctoral student, and I am sure it will not be too long before a Math Alliance Scholar who attended the conference as an undergraduate (or terminal MS student) will be a plenary speaker. This is exactly what we hope to have happening, and I think our whole community should be proud.

We are looking forward to what looks like a great turnout in Atlanta, and we will see many of you there.

We can't let October go without calling attention to the [Lathisms calendar](#) for Hispanic Heritage month. Our friends at Lathisms did a wonderful job selecting the honorees, and I enjoy reading the profiles of these math science researchers. Again this year the calendar features many from our community – Mentors and Scholars – and we hope you have a chance to check out all of the honorees.

Also it has recently been announced that the Department of Mathematics at University of Minnesota, one of our Graduate Program Groups, is the winner of the [AMS Programs that Make a Difference Award](#). Congratulations to our Partners at UMN on this well-deserved recognition.

Finally, it was great to be at SACNAS and the Modern Math Workshop in Portland, OR last week, and I met several Mentors and Scholars there. It was great to see these students engaged in professional development, and research activities. I want to thank SACNAS, but especially our friends at the Institute for Mathematical and Statistical Innovation (IMSI) for supporting the attendance at these meetings by so many in our community. It is wonderful to see the impact of our Mentors on the paths the students are taking, and I know just a small slice of what we'll see in Atlanta.

2023

FIELD OF DREAMS CONFERENCE

November 3-5, 2023 ATLANTA, GA

HOSTED BY: GEORGIA STATE UNIVERSITY

Mathematical
Sciences Lecture



Shanise G. Walker-
Assistant Professor
Clark Atlanta University

Keynote Speaker



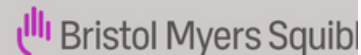
Johnny L. Houston, PhD-
Professor Emeritus
Elizabeth City St.
University- NAM

Kathryn Chaloner
Memorial Lecture in the Statistical
Sciences and their Applications



Jacqueline Hughes-Oliver-
Professor at North Carolina
State University

sponsored By:



CONFERENCE HOTEL: THE COURTLAND GRAND

REGISTER FOR THE CONFERENCE

What's Happening Next?

- **2023 Field of Dreams Conference** Georgia State Univ. Nov. 3- 5
- **Joint Mathematics Meetings (JMM 2024)** San Francisco, CA
Jan. 3-6, 2024
- **MAA MathFest 2023** Indianapolis, IN Aug. 7-10 2024

Prof. William Vélez's Mentoring Efforts

MAA posted an article about Prof. William Vélez's efforts to increase the number of minority students majoring in mathematics.

Here is a link to the article:

<https://www.mathvalues.org/masterblog/inreach-is-the-new-outreach-an-implementation>

Prof. Vélez is a Professor Emeritus at The University of Arizona and he serves as the Senior Advisor and Associate Director for Undergraduate Programs for the Math Alliance.



Department of Mathematics
The University of Arizona®

ARIZONA WINTER SCHOOL 2024




Southwest Center
for Arithmetic Geometry

<http://swc.math.arizona.edu>

Application deadline:
November 15, 2023

ABELIAN VARIETIES



Valentijn Karemaker - *Moduli spaces
of abelian varieties in characteristic p*

Ben Moonen - *Algebraic cycles
on abelian varieties*

Rachel Pries - *The Torelli locus and Newton
polygons*

Joe Silverman - *Canonical heights
on abelian varieties*

Barry Mazur, Clay Lecturer

TUCSON, MARCH 2-6, 2024



Funded by the National Science Foundation
and organized in partnership
with the Clay Mathematics Institute

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

Spring 2024 Scientific Workshops at SLMath

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

* denotes lead organizer(s).

Commutative Algebra

[Connections Workshop](#): January 18-19, 2024

Organizers: Christine Berkesch (University of Minnesota, Twin Cities), Louiza Fouli (New Mexico State University), Maria Evelina Rossi (Università di Genova), Alexandra Seceleanu* (University of Nebraska)

[Introductory Workshop](#): January 22-26, 2024

Organizers: Srikanth Iyengar (University of Utah), Claudia Miller (Syracuse University), Claudia Polini (University of Notre Dame), Anurag Singh* (University of Utah)

[Recent Developments in Commutative Algebra](#): April 15-19, 2024

Organizers: Daniel Erman (University of Wisconsin-Madison), Linquan Ma (Purdue University), Karl Schwede* (University of Utah), Karen Smith (University), Andrew Snowden (University), Irena Swanson (Purdue University)

Noncommutative Algebraic Geometry

[Connections Workshop](#): February 1-2, 2024

Organizers: Rina Anno (Kansas State University), Elizabeth Gasparim (Universidad Católica del Norte), Alice Rizzardo* (University of Liverpool)

[Introductory Workshop](#): February 5-9, 2024

Organizers: Nicolas Addington* (University of Oregon), David Favero, Wendy Lowen (Universiteit Antwerp), Alice Rizzardo (University of Liverpool)

[Recent Developments in Noncommutative Algebraic Geometry](#): April 8-12, 2024

Organizers: Arend Bayer (University of Edinburgh), Graham Leuschke (Syracuse University), Alexander Polishchuk (University of Oregon), Susan Sierra (University of Edinburgh), Spela Spenko (Université Libre de Bruxelles), Gregory Stevenson (Aarhus University)

Other Workshops

[Hot Topics: Artin Groups and Arrangements - Topology, Geometry, and Combinatorics](#): March 11-15, 2024

Organizers: Christin Bibby (Louisiana State University), Ruth Charney (Brandeis University), Giovanni Paolini (California Institute of Technology), Mario Salvetti (Università di Pisa)

[Advances in Lie Theory, Representation Theory and Combinatorics: Inspired by the work of Georgia M. Benkart](#): May 1-3, 2024

Organizers: Hélène Barcelo (MSRI / SLMath), Ellen Kirkman (Wake Forest University), Gail Letzter, Daniel Nakano (University of Georgia), Arun Ram (University of Melbourne)

Register Online: msri.org/workshops

Funding Support: Established researchers, postdoctoral fellows, and graduate students are invited to apply for funding. Funding awards are typically made eight weeks before the workshop; requests received after the funding deadlines are considered only if additional funds become available. Groups underrepresented in research-intensive contexts including women, gender-expansive individuals, minorities, and mathematicians not located at research centers are welcomed and encouraged to apply.

Resources for Workshop Attendees: SLMath is pleased to be able to offer a private room for nursing parents. Childcare grants are available for researchers with children under the age of 18 (limited to US Citizens and Permanent Residents, and foreign visitors with a visa status that allows for compensation, such as a J1). See website for full details.

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

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

Call for Membership: MSRI / SLMath 2024-25 Research Programs

The Simons Laufer Mathematical Sciences Institute (SLMath, formerly known as MSRI) in Berkeley, California, invites applications for membership in the Institute's 2024-25 research programs beginning August 1, 2023. Detailed information can be found at msri.org/application and msri.org/programs.

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

The following positions are available:

- Research Professorships are intended for senior researchers who will be making key contributions to a program, including the mentoring of postdoctoral fellows, and who will be in residence for three or more months.
- Research Memberships are intended for researchers who will be making contributions to a program and who will be in residence for one or more months.
- Postdoctoral Fellowships are intended for recent PhDs.

How to Apply

SLMath uses [MathJobs.org](https://mathjobs.org) to process applications. Interested candidates must apply online. To receive full consideration, applications must be complete, including all letters of support, by **October 1, 2023** (Research Professors) and **November 15, 2023** (Research Members and Postdoctoral Fellows).

Additional Support

SLMath strives to include a diverse community of mathematicians in its programs, and the Institute is committed to maintaining family-friendly policies and, when possible, facilitating appropriate arrangements for partners and children of program members. Some ways that this addressed include:

- SLMath employs a Family Services Coordinator who provides help in locating schools and other services for mathematicians coming to Berkeley with their families.
- The Complementary Program has a limited number of memberships that are open to mathematicians who are partners of invited members of a core program.
- Childcare grants are available for researchers with children under the age of 18 (limited to U.S. Citizens and Permanent Residents, and foreign visitors with a visa status that allows for compensation, such as a J1).
- SLMath is pleased to be able to offer a private room for nursing parents.

About SLMath

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



Applications Open for
**AMS CONGRESSIONAL
FELLOWSHIP 2024–
2025**

Apply your mathematics knowledge toward solutions to societal problems.

The American Mathematical Society will sponsor a Congressional Fellow from September 2024 through August 2025.

The Fellow will spend the year working on the staff of either a member of Congress or a congressional committee, working in legislative and policy areas requiring scientific and technical input.

The Fellow brings his/her/their technical background and external perspective to the decision-making process in Congress. Prospective Fellows must be cognizant of and demonstrate sensitivity toward political and social issues and have a strong interest in applying personal knowledge toward solutions to societal problems. Fellow 2022–2023
—Duncan Wright

Now in its 19th year, the AMS Congressional Fellowship provides a unique public policy learning experience, and demonstrates the value of science–government interaction. The program includes an orientation on congressional and executive branch operations, and a year-long seminar series on issues involving science, technology, and public policy.

Applicants must have a PhD or an equivalent doctoral-level degree in the mathematical sciences by the application deadline (February 1, 2024). Applicants must be US citizens. Federal employees are not eligible.

The Fellowship stipend is US\$100,479 for the Fellowship period, with additional allowances for relocation and professional travel, as well as a contribution toward health insurance.

Applicants must submit a statement expressing interest and qualifications for the AMS Congressional Fellowship as well as a current curriculum vitae. Candidates should have three letters of recommendation sent to the AMS by the February 1, 2024 deadline.

For more information and to apply, please go to www.ams.org/ams-congressional-fellowship.

Deadline for receipt of applications: **February 1, 2024**

Every day on the Hill is new and exciting! Whether I am writing press releases, synthesizing complicated ideas into one-pagers, or meeting influential individuals, I learn something new every day. “



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POSITION 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 Mathematical and Statistical Foundations of Big Data with a start date of August 2024. Candidates in all areas of mathematics and statistics related to big data analysis and processing are encouraged to apply.

Essential Qualifications:

- Ph.D. in Mathematics, Statistics, Data Science, or a closely related field;
- Ability to teach core undergraduate and graduate mathematics and/or statistics courses;
- Experience in research and teaching in the field of mathematical and statistical foundations of big data.

Preferred Qualifications:

- Strong desire to work in a cross-disciplinary, collaborative environment;
- An experience in supervising undergraduate and graduate students.

The Department offers BS in Mathematics, MS in Mathematics with no concentration or concentrations in Bioinformatics, Biostatistics, Discrete Mathematics, Scientific Computing, Statistics, Applied Mathematics, as well as Statistics and Allied Fields, and Ph.D. in Mathematics and Statistics with concentrations in Mathematics, Applied Mathematics, Bioinformatics, and Biostatistics. Faculty members in the department have established nationally and internationally recognized research programs in both mathematics and statistics, including applied statistics, biostatistics, data science, dynamical systems, complex networks, machine learning, inverse problems, mathematical biology, optimization, computational mathematics, systems biology, modeling neural, cardiovascular, and multi-organ systems, physical and biomedical image analysis. Additionally, the Department collaborates with other GSU departments in epidemiology, pathogen genetics, immunology, 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 R1 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, as well as generating innovative research.

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, including current and future research agenda, and 4) a teaching statement with evidence of aptitude or ability to teach at the undergraduate and graduate levels. 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, 2023**, 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.



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POSITION AT UNIVERSITY OF WASHINGTON

Postdoctoral Scholar - University of Washington, Department of Mathematics

Applications are invited for one or more non-tenure-track postdoctoral positions. The initial appointment is for a period of twelve months, full-time, with the possibility of renewal for a total period of up to three years, to begin in September 2024. Successful candidates will have strong active research programs and be prepared to teach both undergraduate and graduate courses.

The base salary range for this position is \$5705-\$6167 per month, commensurate with experience and qualifications, or as mandated by a U.S. Department of Labor prevailing wage determination. Postdoctoral scholars are represented by UAW 4121 and are subject to the collective bargaining agreement, unless agreed exclusion criteria apply. For more information, please visit the University of Washington [Labor Relations website](#).

Located in one of the most dynamic and beautiful areas in the United States, the University of Washington is a premier research university, frequently cited as one of the best in the world. The Department of Mathematics is one of the top mathematics departments among public universities in the United States. The university and its surroundings abound with opportunities to do interdisciplinary research, engage in community-focused research, education, and service, and collaborate with private and governmental organizations. The Seattle metropolitan area provides abundant culinary, cultural, recreational, and educational resources and experiences.

The Department of Mathematics at the University of Washington is committed to fostering a diverse and inclusive academic community: visit <https://math.washington.edu/diversity-commitment>. We encourage applications from individuals whose backgrounds or interests align with this commitment.

Qualifications

Applicants are required to have a PhD, or foreign equivalent, by the starting date.

Application Instructions

Applications must include the [American Mathematical Society's Cover Sheet for Academic Employment](#), a curriculum vitae, statements of research, diversity, and teaching interests, and at least three letters of recommendation. Priority will be given to applicants whose complete applications, including recommendations, are received by **December 1, 2023**.

Apply at <http://apply.interfolio.com/131603>.



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POSITION AT ARIZONA STATE UNIVERSITY

The School of Mathematical and Statistical Sciences (SoMSS) at Arizona State University (ASU) invites applications for up to two postdoctoral scholar positions in an area of data science.

The School of Mathematical and Statistical Sciences, part of The College of Liberal Arts and Sciences, invites applications for up to two Presidential Postdoctoral Fellow positions, with an anticipated start in the 2024-2025 academic year. Fellows will conduct research in an area of data science, with expertise in computational mathematics, optimization, or statistics, 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, the computational and statistics faculty at ASU have broad interdisciplinary data science interests in machine learning, artificial intelligence, and interpretation of large-scale data sets.

The postdoctoral scholars selected will join a cohort of 10-15 other postdoctoral scholars at ASU as part of the Presidential Postdoctoral Fellowship Program. The goal of the program is to support the career development of outstanding Ph.D. recipients with great potential for advancing the ASU Charter into a future tenure track appointment at ASU.

Qualifications and Characteristics

Minimum qualifications:

- PhD in mathematics, applied mathematics, statistics or a closely related area by August 10, 2024.
- Demonstrated potential for excellence in research and teaching.

Desired qualifications:

- A documented research record in an area that meshes with the research interests of current SoMSS' faculty members with interdisciplinary interests in data science, machine learning, optimization, artificial intelligence, and interpretation of large-scale data sets.
- Demonstrated potential for establishing interdisciplinary collaborations.
- Evidence of activities consistent with the ASU Charter and Design Aspirations.

This position is located at 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. Applicants must be within five years of receipt of their PhD to be considered for initial appointments. 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 Interfolio: <http://apply.interfolio.com/133762>. Application materials should include:

1. A letter of interest describing how you meet the qualifications noted above.
2. A curriculum vitae.
3. A personal statement addressing the candidate's research program.
4. A statement of teaching experience and philosophy. Contact information for 3 references, including email addresses.

Application deadline is 4:00 pm AZ Time, Tuesday, November 7, 2023. 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. Inquiries can be directed to Tammy Palmer Tammy.Palmer@asu.edu. A background check is required for employment.

ASU is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered 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



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POSITION AT ARIZONA STATE UNIVERSITY

The School of Mathematical and Statistical Sciences (SoMSS) at Arizona State University invites applications for a full-time, benefits-eligible, tenure-eligible position in Applied and Computational Mathematics at the rank of Assistant or Associate Professor. Anticipated start date is August 16, 2024. The Applied and Computational Mathematics program consists approximately of 20 faculty members, and it has close ties with our Theoretical Mathematics and Statistics groups.

The essential duties of the position will be to conduct research on areas of applied mathematics, mathematical biology, computational mathematics, and/or data science, publish in appropriate high-quality journals, disseminate research at conferences and colloquia, provide quality teaching and mentoring in our undergraduate and graduate programs, and participate in appropriate professional service.

Required Qualifications:

- A Ph.D. in mathematics, applied mathematics, or a closely related area by the time of appointment.
- Demonstrated potential for excellence in research and teaching, relative to career level.
- Demonstrated commitment to working with faculty, staff, students and communities to advance the [ASU Charter](#).

Desired Qualifications:

- Documented record of published research in areas of applied mathematics, mathematical biology, computational mathematics, and/or data science.
- Established record or strong potential for grant support, relative to career level.
- Demonstrated experience and/or interest in teaching and mentoring.
- Demonstrated potential for establishing interdisciplinary collaborations.

Women and members of other underrepresented groups 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:

Submit the following to the ASU Interfolio website, <http://apply.interfolio.com/131096>

- 1.A cover letter that briefly explains the candidate's interest in the position and addresses the candidate's commitment to ASU's Charter.
- 2.A curriculum vitae.
- 3.A personal statement addressing the candidate's research program.
- 4.A statement of teaching experience and philosophy.
- 5.At least four letters of recommendation; one of these letters should address the candidate's teaching qualifications.

The application deadline is 4:00 pm Arizona time on **October 26, 2023**; only applications that are complete by the deadline will be considered. If the position is not filled, remaining applications will be considered every two weeks thereafter until the search is closed. 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 be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. <https://www.asu.edu/aad/manuals/acd/acd401.html> and <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.



Partner
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POSITION AT ARIZONA STATE UNIVERSITY

The School of Mathematical and Statistical Sciences (SoMSS) at Arizona State University invites applications for a full-time, benefits-eligible, tenure-eligible position in Theoretical Mathematics at the rank of Assistant or Associate Professor. Anticipated start date is August 16, 2024. The Theoretical Mathematics program consists approximately of 20 faculty members and has close ties with our Applied Mathematics group.

The essential duties of the position will be to conduct research on areas of theoretical mathematics, publish in appropriate high-quality journals, disseminate research at conferences and colloquia, provide quality teaching and mentoring in our undergraduate and graduate programs, and participate in appropriate professional service.

Required Qualifications:

- A Ph.D. in mathematics, applied mathematics, or a closely related area by the time of appointment.
- Demonstrated potential for excellence in research and teaching, relative to career level.
- Demonstrated commitment to working with faculty, staff, students and communities to advance the [ASU Charter](#).

Desired Qualifications:

- Documented record of published research in theoretical mathematics.
- Established record or strong potential for grant support, relative to career level.
- Demonstrated experience and/or interest in teaching and mentoring.
- Demonstrated potential for establishing interdisciplinary collaborations.

Women and members of other underrepresented groups 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:

Submit the following to the ASU Interfolio website, <http://apply.interfolio.com/131067>

- 1.A cover letter that briefly explains the candidate's interest in the position and addresses the candidate's commitment to ASU's Charter.
- 2.A curriculum vitae.
- 3.A personal statement addressing the candidate's research program.
- 4.A statement of teaching experience and philosophy.
- 5.At least four letters of recommendation; one of these letters should address the candidate's teaching qualifications.

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<https://www.asu.edu/aad/manuals/acd/acd401.html> and <https://www.asu.edu/titleIX/>

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POSITION AT ARIZONA STATE UNIVERSITY

The School of Interdisciplinary Forensics at Arizona State University invites applications for a full-time, benefits-eligible, tenure-track Assistant Professor, faculty position in Forensic Science with primary research areas in defense forensics, biometrics, or pattern recognition. This position will begin in August 2024. The successful candidate is expected to establish a vigorous, externally-funded program of research in Forensic Science; to deliver quality undergraduate and graduate instruction in Forensic Science; and to contribute service to the school, college, university, and the profession.

The successful candidate of this search will be joined by several additional faculty members who will be recruited through national searches to expand and deepen program offerings and research endeavors in support of advancing the rigor of the underlying science and expanding the boundaries of interdisciplinary education and research. Faculty in the School of Interdisciplinary Forensics have the opportunity to work in a unit that values innovative research and undergraduate education equally while being housed in an R1 university. This has created the opportunity for our diverse student population to obtain individual faculty mentorship on the West Campus of ASU, which provides a close-knit residential campus setting.

Successful candidates will demonstrate throughout their materials how their teaching, research, and service will contribute to the fulfillment of this charter.

Essential Functions of the Position:

The individual filling this position is expected to:

- Establish a vigorous, externally funded program of research in Forensic Science with an emphasis in defense forensics, biometrics, or pattern recognition;
- Contribute service to the school, college, university, and the profession;
- Teach courses in relevant areas.

Qualifications

Required Qualifications:

- Doctorate or terminal degree in Forensic Science or a related field (e.g., Biology, Chemistry, Computer Science, Data Science, Physics, etc.) at time of hire.

Desired Qualifications:

- Evidence of an on-going research program in defense forensics, biometrics, or pattern recognition;
- Evidence of applying research expertise in defense forensics, biometrics, or pattern recognition;
- A program of research that complements the research focus of faculty in the School of Interdisciplinary Forensics;
- Record of scholarly publication;
- Record of pursuing and/or securing external research grant funding commensurate with the candidate's experience;
- Established collaborations with industry and/or governmental partners;
- Interest in establishing interdisciplinary research programs;
- Evidence of successful college/university teaching and course development experience;
- Evidence of forensic science-related expertise that enables the teaching of graduate and undergraduate courses and labs in the School of Interdisciplinary Forensics;
- Evidence of successful mentoring of graduate and/or undergraduate students in research;
- Demonstrated commitment to working successfully with a diverse student population, including first-generation college students.

Application Instructions

Application Deadline: The initial application deadline is **November 27, 2023, at 11:59 p.m.**, Eastern Standard Time. 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. A background check and official transcripts are required prior to employment. For assistance with your application, or for position-related questions, contact Kristin.Warriner@asu.edu.

Application Procedure: Only electronic submissions via Interfolio will be reviewed. All required materials must be submitted at time of initial application. Incomplete applications will not be considered. Please submit all application materials to apply.interfolio.com/134306.

Applications must contain:

- Cover letter that addresses the required and desired qualifications and how your experience will demonstrate the University Charter
- Curriculum vitae with contact information, including telephone number and e-mail address
- Research Statement
- Evidence of teaching effectiveness – e.g., student evaluations, syllabi, peer observation, annual evaluations, etc.
- Unofficial graduate transcripts
- Information for three professional references (their position, title, e-mail, phone number), one reference must be from your current or most recent employer.

ASU conducts pre-employment screening for all positions which includes a criminal background check, verification of work history, academic credentials, licenses, and certifications. Employment is contingent upon the successful passing of the background check.

Equal Employment Opportunity Statement

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. (See <https://www.asu.edu/aad/manuals/acd/acd401.html> and <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>

mathalliance@purdue.edu | www.mathalliance.org

This ad has been abbreviated to fit the page. You can see the ad in its entirety on our website.

Member
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POSITION AT UNIVERSITY OF DELAWARE

The Department of Mathematical Sciences seeks additional expertise in data science to strengthen and broaden multiple research initiatives in the department and on campus, such as the Data Science Institute (dsi.udel.edu). In addition, we seek to enhance our undergraduate programs in mathematics and data science and our dual-degree MS in data science with PhD in mathematics or applied mathematics.

The department seeks an exceptional candidate for a tenure-track assistant professor position in the mathematics of data science. The successful candidate will have a demonstrated record of significant research achievements in the mathematics of data science; strong potential for obtaining external research funding in the area; relevant knowledge and willingness to engage in meeting department and university teaching and service needs in data science; experiences showing promise of effective teaching at the undergraduate level; interest in advising and teaching at the PhD level; and a commitment to creating an inclusive classroom environment. Applicants must have received a doctoral degree in mathematics, applied mathematics, or a closely related Tenure-track faculty position in Data Science.

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TO APPLY: Review of applications will begin on **November 13, 2023** and will continue until the position is filled. Applicants should submit the following materials through the [MathJobs](#) system: a cover letter, a curriculum vitae, a research statement describing achievements and plans for future work, and a teaching statement. In their teaching statement, candidates are encouraged to describe their efforts to promote an inclusive culture in the classroom. In addition, candidates should request that at least three letters of recommendation be submitted through [MathJobs](#). At least one letter should address the candidate's teaching ability.

Questions, but not application materials, may be e-mailed to Professor Tobin Driscoll at driscoll@udel.edu with "Tenure-track Position" in the subject line.

Compensation packages are highly competitive and commensurate with experience and qualifications. The UD benefits package is one of the best in the nation.

The University of Delaware is an Equal Opportunity Employer and encourages applications from members of underrepresented groups. The University's Notice of Non-Discrimination can be found at <http://www.udel.edu/aboutus/legalnotices.html>.

Member
Institution

POSITION AT UNIVERSITY OF ALABAMA

The Department of Mathematics at the University of Alabama seeks applications for a postdoctoral position. This position is renewable annually for up to two years and includes some teaching duties. Candidates are expected to carry out research in collaboration with members of members of the Applied Mathematics research group. Research of ideal candidates should have applications in material sciences or analysis of partial differential equations. See our web page <https://math.ua.edu/research-overview/> for more information.

Applications are encouraged from excellent candidates with research interests in mathematics. The minimum requirement at the time of the appointment is a Ph.D. or other terminal degree in a field of research in mathematics. Review of applications will begin **September 15, 2023**.

Applicants should complete the online application at <http://careers.ua.edu/cw/en-us/job/520827>. Please submit a cover letter, curriculum vitae, and a research statement with your application.

Please also arrange for three reference letters to be submitted to Dr. Tiziana Giorgi via email at tgjorgi@ua.edu.

The University of Alabama is an Equal Employment/Equal Educational Opportunity Institution and actively seeks diversity among its employees. We especially seek applications from candidates who have followed a non-traditional educational path, who would bring a diversity of background, experience, and viewpoint to the department, and who have demonstrated an ability to teach, mentor, and recruit diverse groups.

Member
Institution

POSITION AT UNIVERSITY OF ALABAMA

The Department of Mathematics at The University of Alabama invites applications for one tenure-track position at the Assistant Professor level to support a newly created program in data science beginning on August 16, 2024. The department is seeking applicants in the areas of optimization and machine learning. Research of ideal candidates should have applications in a field of optimization or data sciences, which may involve but is not limited to numerical optimization and deep learning. Applicants are expected to show solid evidence of research productivity beyond the doctoral dissertation.

The University of Alabama is a student-centered research university. The successful candidate is expected to develop a strong research program and to pursue external funding and should be committed to providing stellar education to undergraduate and graduate students. In addition, the candidate should be committed to supervising undergraduate research and graduate dissertations. Candidates must possess a doctoral degree in mathematics or a very closely related field by August 16, 2024.

Applicants should complete the online application at <http://careers.ua.edu/cw/en-us/job/520642>. The application should include a letter of application, a current curriculum vitae, a research statement, a teaching statement, and three letters of recommendation (one of which concerns teaching). The recommendation letters should be submitted electronically through MathJobs (www.mathjobs.org). Applications will be reviewed on an ongoing basis starting **November 1, 2023**, and will continue to be accepted until the position is filled.

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Member
Institution

POSITION AT BAYLOR UNIVERSITY

The Department of Mathematics, in the College of Arts & Sciences, at Baylor University, invites applications for a full-time lecturer faculty position beginning in August 2024. We seek applicants with strong interest and experience in teaching at the undergraduate level, particularly first-year and second-year mathematics and math education classes. This appointment is a renewable full-time, benefits-eligible, teaching-focused position with a 6-year promotion path to Senior Lecturer for qualified and successful candidates <https://www.baylor.edu/risk/doc.php/339361.pdf>. We seek a collegial faculty member who will contribute positively to the department's culture of innovative teaching and dedicated service to our undergraduate students.

For more details on the position and how to apply visit <http://apply.interfolio.com/126074>

Located in Waco, Texas, Baylor University is the oldest college in Texas. With a population of around 21,000 students, Baylor is one of the top universities in the nation, having just been named an R1 institution by the Carnegie Classification in 2022. Baylor is also on the honor roll of the "Great Colleges to Work For" from The Chronicle of Higher Education, Baylor offers competitive salaries and benefits while giving faculty and staff the chance to live in one of the fastest-growing parts of the state. Our strategic plan, Illuminate, guides the University as we continue to live up to Baylor's mission of educating men and women for worldwide leadership and service by integrating academic excellence and Christian commitment within a caring community.

Baylor University is a private not-for-profit university affiliated with the Baptist General Convention of Texas. As an Affirmative Action/Equal Opportunity employer, Baylor is committed to compliance with all applicable anti-discrimination laws, including those regarding age, race, color, sex, national origin, pregnancy status, military service, genetic information, and disability. As a religious educational institution, Baylor is lawfully permitted to consider an applicant's religion as a selection criterion. Baylor encourages women, minorities, veterans, and individuals with disabilities to apply.

Member
Institution

POSITION AT BAYLOR UNIVERSITY

Baylor University seeks a postdoctoral fellow in Mathematics to start in August 2024. Details for this position can be found at [this link](#). Applications must be completed and received by November 26, 2023.

This position is on a renewable twelve-month contract potentially leading to a maximum appointment of three years. Special consideration will be given to applicants with interests aligned with areas of research in the department that include algebra, analysis, applied/computational mathematics, differential equations, mathematical physics, numerical analysis, representation theory, and topology, with potential interdisciplinary applications.

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Member
Institution

POSITION AT BAYLOR UNIVERSITY

Baylor University seeks to fill a tenure-track Assistant Professor position in the Department of Statistical Science within the College of Arts and Sciences to start in the Fall 2024 semester. Details for this position can be found at <http://apply.interfolio.com/126055>. Applications will be reviewed as they are submitted and will be accepted until the deadline. To ensure full consideration, complete applications must be submitted by **October 23, 2023**.

The successful applicant will join a dynamic faculty in advancing our core mission to provide quality statistics instruction at all levels; to make significant contributions to the discovery and dissemination of statistical knowledge; and to develop, within a Christian environment, ethical scholars, skilled professionals, and educated leaders who are sensitive to the needs of society.

We welcome applicants with academic interests in all areas of statistics but are particularly interested in research in biostatistics and data science.

The position is open to all qualified applicants with an earned doctorate in statistics or related area of study at the time of appointment.

- Successful applicants will have evidence for potential for a highly successful research program in statistical methodology, statistical theory, or data science and will be expected to develop and maintain an externally funded research program with levels of funding similar to those of faculty in peer R1 universities.
- Successful applicants will also demonstrate a commitment to graduate and undergraduate education along with an ability to collaborate with faculty and researchers in applied areas.

Please submit the following materials electronically via Interfolio:

(a) letter of application, (b) statement describing research agenda and funding goals (c) statement of teaching interests, (d) current curriculum vitae (e) copy of the transcript from highest-degree granting institution (unofficial copy acceptable for application; if the Ph.D. is in progress, a copy of the official transcript of completed Ph.D. hours should also be submitted), (f) contact information for three individuals who will provide letters of recommendation. Complete applications must be submitted by 10/23/2023.

Questions concerning the position should be directed to, Rodney Sturdivant, Search Committee Chair, at Rodney_Sturdivant@baylor.edu.

Baylor University is committed to making information and resources that are available via the web accessible for all users. If you are a job seeker and need accessibility assistance or an accommodation in order to apply for one of our open positions, please call 254-710-2000.

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Member
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POSITION AT MICHIGAN STATE UNIVERSITY

The [Department of Mathematics](#) at [Michigan State University](#) invites applications for two RTG Postdoctoral Associate positions with a starting date of Fall 2024. This is a three-year, benefits eligible position, associated with the NSF-funded RTG project "Algebraic and Geometric Topology at Michigan State." Topology at MSU is represented by a vibrant group of faculty and graduate students; a group with rich interaction amongst not only its members but also with the closely connected research groups at MSU in geometry and algebra. RTG Postdoctoral Associates will be integrated into the topology group through pairing with faculty mentors, participation and co-leadership in RTG activities, vertically integrated structured research projects, thoughtful curation of teaching assignments, and engagement in the department's active instructional mentoring program. Candidates will be evaluated on their potential in research, teaching, graduate and undergraduate mentorship, and their fit with the topology research community at MSU. Candidates are required to have a Ph.D. in Mathematics by August 10, 2024. Due to NSF rules, the position is restricted to US citizens, nationals, or permanent residents.

Some features of the RTG postdoctoral position include:

- Mentoring in research, teaching, and other aspects of professional development
- Summer support for two summers
- Funding in the amount of \$6000 per year for travel and supplies
- A teaching expectation of one course per semester
- Participation in RTG activities such as seminars, conference organization, research collaboration with graduate students and faculty, and assisting with mentoring and directed reading programs for undergraduates

Applicants should submit the following items on Mathjobs.org to complete their application:

- Cover Letter
- Curriculum Vitae
- Research Statement
- Teaching Statement
- Four Reference Letters with at least one of which addresses teaching (Letters to be submitted online by the reference writers at Mathjobs.org posting)

Applicants must submit their application materials via [Mathjobs.org](#) at <https://www.mathjobs.org/jobs/list/22660>.

Review of applications will begin on **December 1, 2023**, and will continue until the positions are filled. A background check is required for employment. Appointments will be renewed annually for up to three years, contingent on satisfactory performance.

For questions or further information:

- Teena Gerhardt (teena@math.msu.edu) • Matthew Hedden (mhedden@math.msu.edu)
- Effie Kalfagianni (kalfagia@msu.edu) • Matthew Stoffregen (stoffre1@msu.edu)

Department Website: <https://math.msu.edu/>

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

MSU is an affirmative-action, equal-opportunity employer and is committed to achieving excellence through a diverse workforce and inclusive culture that encourages all people to reach their full potential. The University actively encourages applications and/or nominations of women, persons of color, veterans, and persons with disabilities. MSU is committed to providing a work environment that supports employees' work and personal life, and offers employment assistance to the spouse or partner of candidates for faculty and academic staff positions.

Member
Institution

POSITION AT MICHIGAN STATE UNIVERSITY

The Department of Mathematics (MATH) and the Department of Computational Mathematics, Science, and Engineering (CMSE) at Michigan State University (MSU) invite applications for two open rank tenure system positions in applied and computational mathematics beginning Fall 2024, jointly appointed between MATH and CMSE.

The MATH Department at MSU represents all areas of mathematics and has leading research groups in both pure and applied mathematics. Active research areas in applied and computational mathematics include Numerical Analysis, Mathematics Physics, Scientific Computing, Applied Partial Differential Equations, Optimization, Inverse Problems and Imaging, and the Mathematics of Data, Computation and Inference, with cross cutting research at the interfaces of these important areas. In conjunction with these research activities, the Math Department is home to a vibrant postdoctoral program and a vibrant PhD program. The Math department supports BS degrees in Mathematics, Actuarial Science, and Computational Mathematics, as well as an Advanced Mathematics undergraduate program, with many students continuing to advanced degrees.

The jointly appointed open rank positions are established on strong bonds between the two departments, and preference will be given to applicants with research in applied and computational harmonic analysis, numerical partial differential equations, and optimization, or working at their interfaces. The successful candidates will have demonstrated the ability to carry out cutting edge research, commitments to teaching and mentorship of students, and initiative in building an equitable and diverse scholarly and instructional environment. While we expect the appointment to be at the assistant professor level, an appointment at the level of associate or full professor can also be considered depending on the experience of the candidate. Preference will be given to candidates with at least 2 years of experience beyond the Ph.D.

We request that applications include:

- One-page cover letter that frames the application in the context of the ad of this joint-search and addresses the relation of the candidate's research to the areas of research preference.
- CV, including a list of publications, a history of external funding, contributed and invited talks, teaching and mentoring roles, contributions to the academic community, and efforts in public outreach.
- A two-to-six-page research statement highlighting past research accomplishments and future plans that frame the applicant's ability to conduct independent research. This statement should include experience or plans to advance diversity, equity, and inclusion within the applied and computational mathematics research community.
- A two-to-three-page teaching statement describing the applicant's experience in instruction and research mentoring of graduate and undergraduate students, including experiences or plans to create an inclusive and equitable learning environment for students.
- Four (4) letters of reference. Three of these letters should address the applicant's research while one letter should address the applicant's instructional experience.

All applicants must submit their application materials via the Mathjobs.org job posting at <https://www.mathjobs.org/jobs/list/22817>. A background check is required for employment.

The evaluation process will begin on October 16, 2023, and review of applications will continue until the positions are filled. Questions may be directed to the chair of the search committee, Prof. Jianliang Qian (jqian@msu.edu).

Applicants are encouraged to explore the MSU Department of Mathematics website at <https://math.msu.edu> and Department of CMSE website at <https://cmse.msu.edu>.

MSU is an affirmative-action, equal-opportunity employer and is committed to achieving excellence through a diverse workforce and inclusive culture that encourages all people to reach their full potential. The University actively encourages applications and/or nominations of women, persons of color, veterans, and persons with disabilities. MSU is committed to providing a work environment that supports employees' work and personal life and offers employment assistance to the spouse or partner of candidates for faculty and academic staff positions.

Member
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**POSITION AT
CAL POLY POMONA**

The Department of Mathematics and Statistics at Cal Poly Pomona invites applications for the position of Assistant Professor in Mathematics with expertise in algebra, number theory, or combinatorics, and with appointment effective Fall 2024. We have a strong commitment to inclusive excellence and to educational experiences that leverage the diverse perspectives and experiences needed to succeed and thrive in a diverse society.

Duties and responsibilities: It is anticipated that the person in this position will teach mathematics courses at the undergraduate and graduate level. It is expected that the new faculty member will engage in scholarly research or grant activity and serve on department, college, and university committees. They also will have the opportunity to mentor student research.

Required Qualifications:

- A Ph. D. in Mathematics with expertise in algebra, number theory, combinatorics, or a related area from an accredited university by August 1, 2024.
- A commitment and a record of contributions to student success through applicant's teaching, scholarship, or service. This will be described in the Student Success Statement, which must address at least two of the inclusive excellence criteria listed above.
- University teaching experience, for instance as a lead instructor, teaching assistant, or similar role.

Consideration of completed applications will begin on **Tuesday, 11/14/23** and will continue until the position is filled. For expanded position description and application information, please go to [PageUp](#) and [MathJobs](#).

For general inquiries, please call (909) 869-3496 or email mathstatsearch@cpp.edu.
EOE

Member
Institution

POSITION AT SAN FRANCISCO UNIVERSITY

San Francisco State University, Department of Mathematics offers an exciting opportunity for a tenure-track Assistant Professor position in Mathematics (pure or applied) or Mathematics Education beginning August 7, 2024. We seek a colleague whose research and teaching interests include any field in mathematics, applied mathematics, mathematics education or related field. Every potential applicant who may have doubts about their eligibility is encouraged to apply. We are especially interested in qualified candidates with a demonstrated commitment -- through their research, teaching, and service -- to the diversity and excellence of our academic community.

We are seeking applicants with experience in and/or demonstrated commitment to teaching and working effectively with individuals from diverse backgrounds and members of underrepresented groups. This is part of a cohort hire focused on Black and Latinx/e student success. We are looking for teacher/scholars who have an established commitment to teaching, research and/or service in and with the Black and Latinx/e community. Candidates for this position are expected to satisfy two or more of the eight Black and Latinx/e Student Success Cohort Hire criteria:

1. Training in and knowledge of historical and present-day structural racism, and practice that engages that knowledge (practice may include teaching, research, and/or service).
2. Demonstrated knowledge of challenges and barriers for Black and Latinx/e students, and evidence of strategies employed to help students overcome such barriers.
3. Evidence of employing anti-racist teaching strategies that support the learning and success of Black and Latinx students.
4. Mentors and engages Black and Latinx/e students in research, scholarship, and creative activities.
5. Evidence of research that contributes to equity, opportunities, and inclusion in higher education.
6. Evidence of research that integrates understanding of and/or engages Black and Latinx/e communities' challenges and structural realities.
7. Evidence of engaging in service to Black and Latinx/e populations within the discipline.
8. Evidence of service and contributions to Black and Latinx/e communities.

Deadline to apply: **Sunday, December 10, 2023**

More information about the position here: <https://careers.pageuppeople.com/873/sf/en-us/job/532589/assistant-professor-mathematics-pure-or-applied-or-mathematics-education>

Member
Institution

POSITION AT UNIVERSITY OF CALIFORNIA, IRVINE

The Department of Statistics (www.stat.uci.edu) in the Donald Bren School of Information and Computer Sciences (ICS) at the University of California, Irvine (UCI) invites applications for a tenure-track/tenured faculty position at the assistant, associate, or full rank level with an anticipated start date of July 1, 2024. All positions would be eligible to participate in UCI's faculty housing program. Early career candidates are especially encouraged to apply.

The Department of Statistics has a strong interdisciplinary flavor, focused on developing state-of-the-art methods for solving topical data-driven problems in natural and social sciences, medicine and engineering, and advancing the statistical theory that underlies those methods. We are searching for faculty with strong research potential, a commitment to excellence in teaching and contributions to inclusive excellence, and enthusiasm for helping our collegial department continue to grow. Applicants should hold a Ph.D. degree (or expected by fall 2024) in statistics, biostatistics or a related field. Candidates with research interests in all areas of statistics will be considered.

The U.S. News and World Report 2023 Best Global Universities ranking identifies UCI as one of the top 30 universities for a graduate degree in statistics in the United States. The department is further ranked within the top 20 statistics graduate programs among all public institutions. Our Master of Data Science was recently ranked No. 7 overall on Fortune's list of best master's degree programs in data science and we are host to the first undergraduate degree in data science within the University of California system. The department currently consists of 14 primary faculty, 58 PhD students, 22 MS students, and 111 MDS students. Faculty distinctions in the department include 7 ASA fellows, 3 AAAS fellows, 3 IMS fellows, and 4 Chancellor's professors.

The University of California, Irvine is ranked as a top 10 public university by U.S. News and World Report, has been identified by The New York Times as No. 1 among U.S. universities that do the most for low-income students, and is No. 2 in the west for diversity according to The Wall Street Journal/Times Higher Education. UCI has also done what no other school has done—rank among Sierra's Top 10 most sustainable colleges for 12 years in a row. UCI is located in Orange County, 4 miles from the Pacific Ocean and 45 miles south of Los Angeles. Irvine is one of the safest communities in the U.S. and offers a very pleasant year-round climate, numerous recreational and cultural opportunities, and one of the highest-ranked public-school systems in the nation.

Completed applications containing a cover letter, curriculum vita, inclusive excellence activities statement, teaching and research statements, three letters of recommendation, and sample research publications should be uploaded electronically. To be considered, ALL applicants must upload required documents using the following URL--
<https://recruit.ap.uci.edu/JPF08636>. The review of applications will begin **November 30, 2023** and full consideration will be given to all applications received by this date. Applications will, however, continue to be accepted and reviewed until **December 15, 2023**.

POSITION AT COLLEGE OF THE HOLY CROSS

Tenure-Track Assistant Professor Position in Mathematics

The Department of Mathematics and Computer Science at the College of the Holy Cross invites applications for a full-time tenure-track Assistant Professor in mathematics to begin in August 2024. Candidates will be expected to teach at all levels of the curriculum and contribute to the instruction of our analysis and introduction to proofs courses. In addition, we seek applicants who are interested in working with students on undergraduate research projects. Preference will be given to candidates whose research is in analysis.

This position carries a 3-2 teaching load with a full-salary one-semester research leave prior to tenure review, and generous sabbatical and fellowship leaves for tenured faculty. All full-time appointments offer competitive salaries and include full benefits, including travel support and reimbursement for relocation. Faculty at the College cultivate a richly diverse academic community, pursue innovative teaching, and create high-impact scholarship. To learn more about faculty life at the College and the Worcester area, candidates are encouraged to visit our [Prospective Faculty page](#).

QUALIFICATIONS

Candidates must demonstrate excellence in scholarship and a commitment to effective undergraduate teaching in the context of a liberal arts college. A Ph.D. in mathematics or applied mathematics is required by the beginning of the appointment.

APPLICATION MATERIALS

Please submit a cover letter addressing the position requirements listed above, a current curriculum vitae, a statement on teaching, a statement on research, and three letters of recommendation. Additional materials such as official transcripts may be requested at a later date. In your cover letter and statements on teaching and research, in addition to describing your research and teaching interests, please address how your scholarship, teaching, mentoring, and/or service might support the [College's mission](#) as a Jesuit, undergraduate liberal arts college and its [core commitment to diversity and inclusion](#).

Submission Instructions

The College of the Holy Cross uses Interfolio to collect all faculty job applications. Please submit all application materials only through this platform: to <https://apply.interfolio.com/130325>. Materials submitted through any other means will not be considered.

Review of applications will begin on **November 1, 2023**, and continue until the position is filled. Initial interviews of selected applicants will take place shortly after this date. We will conduct these preliminary interviews by Zoom. Questions about this search may be directed to Professor Steven Levandosky at slevando@holycross.edu.

COLLEGE OF THE HOLY CROSS

College of the Holy Cross is a highly selective Catholic liberal arts college in the Jesuit tradition. It enrolls about 3,100 students and is located in Worcester, Massachusetts, a medium-sized city 45 miles west of Boston. The College seeks faculty members whose scholarship, teaching, advising, and on- and off-campus service demonstrate an enduring commitment to academic excellence and who embrace the educational benefits of a richly diverse community. Holy Cross aspires to meet the needs of dual-career couples, in part through its membership in the [Higher Education Consortium of Central Massachusetts](#) and the [New England Higher Education Recruitment Consortium](#).

EQUAL OPPORTUNITY EMPLOYMENT STATEMENT

The College is an Equal Employment Opportunity Employer and complies with all Federal and Massachusetts laws concerning equal opportunity and affirmative action in the workplace.

POSITION AT VIRGINIA TECH

The Department of Mathematics at Virginia Tech (<http://www.math.vt.edu>) invites applications for a tenure-track faculty position in Post-Quantum Cryptography and Coding Theory with a start date of August 10, 2024, at its Blacksburg, VA, campus. The successful candidate will have a strong background in post-quantum cryptography, algebraic coding theory, or closely related topics. Possible specialties include but are not limited to applied algebra, algebraic geometry, combinatorics, number theory, coding theory, cryptography, or a closely related area.

Appointment as an Assistant Professor of Mathematics is anticipated, but exceptional senior candidates will be considered for Associate Professor of Mathematics or Professor of Mathematics positions. Job requirements include a Ph.D. in mathematics or a related field at the time of appointment and an active research program, or, for a new Ph.D., strong promise for developing an active research program. The successful candidate will be expected to establish a distinguished research program and to provide effective instruction and advising to a diverse population of undergraduate and graduate students. Additional responsibilities include continuing development of professional capabilities and scholarly activities, including travel to attend conferences and meetings, participation in the department, college, university, and professional service. The successful candidate will have the opportunity to engage in interdisciplinary research, curriculum development, or outreach initiatives with other members of the Virginia Tech faculty.

Virginia Tech is committed to supporting the success of its faculty members through policies that include the modification of duties, the extension of tenure clocks, mentoring, proposal-writing guidance, and dual-career accommodations, depending on individual circumstances. Interviewed candidates will meet with a work-life liaison for a confidential conversation about the details of these policies.

An online application is required. To apply, please visit www.jobs.vt.edu, select "Apply Now," and search by posting number 526909. Please include a cover letter, a CV, a research statement, a teaching statement, and a diversity statement as part of the online application. Each applicant should follow the instructions in the online application system to request that at least three references submit letters of recommendation, or letters can be submitted to a google form here: <https://forms.gle/RhTJFnqKxmKfKmaF8>.

Additional information about position requirements and responsibilities can be found at the following URLs: <http://www.hr.vt.edu> or <https://www.math.vt.edu>. The faculty handbook (at <https://faculty.vt.edu/faculty-handbook.html>) gives a complete description of faculty responsibilities. The successful candidate will be required to have a criminal conviction check and documentation of COVID 19 vaccination or receive approval from the university for a vaccination exemption due to a medical condition or sincerely held religious belief. Questions about the search may be addressed to: pgcct23@math.vt.edu.

Applications received by **11:59 pm EST on September 29, 2023**, will receive full consideration.

Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or military status, or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees or applicants, or on any other basis protected by law. If you are an individual with a disability and desire accommodation, please contact Sarah McDearis at sworl9@vt.edu during regular business hours at least ten business days before the event.

POSITION AT SMITH COLLEGE

The Department of Mathematical Sciences at Smith College invites applications for a 2-year postdoctoral position in the research group of Becca Thomases, to begin on July 1, 2024. The successful candidate will have the opportunity to work in some of the group's research areas, which includes analysis and simulations of complex fluids with applications in life sciences and engineering, while also developing their own independent research agenda. The position has a teaching load of one course per semester, with an expectation of involvement in mentoring undergraduate students research.

Dedicated teacher-scholars in all areas of applied mathematics are encouraged to apply. Qualifications include a Ph.D. in Mathematics or in a related field, a strong commitment to teaching, and a high potential for research. The successful candidate will be expected to help advance a new applied mathematics track in the Department of Mathematical Sciences at Smith College.

We are the home of the Center for Women in Mathematics. In addition to courses in theoretical mathematics and applied mathematics, we co-host a Five College certificate in the biomathematical sciences, and with our award-winning post-baccalaureate program, we send a cohort of students to graduate school each year. The department is active in numerous research areas, with dynamic collaborations between faculty, and with students. Further details may be found at <https://www.smith.edu/academics/mathematical-sciences>.

Located in Northampton, MA, Smith College is the largest women's college in the country and is dedicated to excellence in teaching and research across the liberal arts. A faculty of outstanding scholars interact with students in small classes, as advisors, and through student-faculty research projects. The College is a member of the Five College Consortium with Amherst, Hampshire and Mt. Holyoke Colleges, and the University of Massachusetts Amherst. Students cross-enroll and faculty cross-teach across the Five Colleges.

Submit application at <http://apply.interfolio.com/132925> with a cover letter, curriculum vitae, a statement of research, a statement of teaching experience and philosophy, a diversity/inclusion statement and three confidential letters of recommendation, at least one of which should concentrate on teaching activities. Review of applications will begin on **January 8, 2024**.

As set forth in our mission and values, Smith College is committed to promoting a culture of equity and inclusion among students, staff and faculty. The College will not discriminate in employment on the basis of age, race, color, ethnicity, national origin, creed, religion, sex, sexual orientation, gender identity, gender expression, pregnancy, genetic information, age, veteran status, physical or mental disability, or any other classification protected by law. Smith College is an equal opportunity employer and complies with all state and federal laws that prohibit discrimination.

POSITION AT BUCKNELL COLLEGE

The Mathematics Department at Bucknell University invites applications for a tenure-track faculty position in mathematics, to begin August 1, 2024. We expect to hire at the Assistant Professor level. Dedicated teacher-scholars from all areas of mathematics are encouraged to apply. Qualifications for the position include a Ph.D. in Mathematics, a strong commitment to teaching, and a high potential for research. We seek a colleague who will contribute to the department's focus on inclusivity and its liberal arts mission and we welcome candidates who demonstrate excellence in reflective multicultural and inclusive teaching practices and who display a strong commitment to collaboration and interdisciplinarity.

Applications include a cover letter, curriculum vita, graduate transcripts (unofficial copies accepted), a teaching statement, a research statement, and a statement of contributions to diversity, equity, and inclusion. We ask that you address your interest in working at a primarily undergraduate institution in your cover letter and/or teaching statement. Any discussion of undergraduate research should appear in the research statement. Your diversity statement should address your past actions and/or personal experiences related to diversity, equity, and inclusion, especially as it relates to barriers facing traditionally underrepresented groups. This statement should also discuss how these actions and/or experiences will inform your future approach to teaching and service. Please submit these and all other supporting materials electronically at mathjobs.org. Please arrange for three letters of recommendation (at least one of which addresses teaching beyond what may be found in student evaluations) to be uploaded at mathjobs.org. Review of applications will begin no later than **November 20, 2023**, and will continue until the position is filled.

Bucknell is an Equal Opportunity Employer. The university believes that students learn best in a diverse, inclusive community and is therefore committed to academic excellence through diversity in its faculty, staff, and students. We seek candidates who are committed to Bucknell's efforts to create a climate that fosters inclusion, growth, and development for a diverse student body, and we encourage applications from members of groups that have been historically underrepresented in higher education.

Suggestions for preparing applications can be found here:

https://docs.google.com/document/d/1kl7dO53pBD1RxsusGv2CjoDlMSaLfD6EqHFOFMp_m_k/edit?usp=sharing

For further information, contact Abby Flynt at abby.flynt@bucknell.edu or write to Search Committee, Department of Mathematics, Bucknell University, Lewisburg, PA 17837 USA

All applications must be submitted through the following link: <https://www.mathjobs.org/jobs/list/22722>

Work Type: This is a full-time, benefits-eligible, tenure-track faculty exempt position.

Benefits: Eligible full- and part-time employees are compensated beyond base salary through our total rewards package that includes (but is not limited to): - flexible scheduling options determined by role; - medical, prescription drug, vision, dental, life, and long-term disability insurance options - an outstanding 10% employer contribution to your retirement plan (no contribution requirement for non-exempt positions) - generous paid time off, including vacation and sick time, a community service day, and 19 paid holidays (including two full weeks off for Winter Break!) - full-time and part-time members of the faculty and staff are eligible for tuition remission for themselves. Additionally, full-time members of the faculty and staff are eligible for tuition remission for their spouse/spousal equivalent and are eligible for various tuition programs for their children. Credit for full-time benefits eligible employment at other institutions of higher education will be applied to waiting periods. - a comprehensive employee wellness program including program incentives - myriad other benefits, including parental leave, an employee assistance program, fitness center membership, and the power of your Bucknell ID card To learn more about Bucknell's benefits, click <https://www.bucknell.edu/azdirectory/human-resources/employee-benefits> (*Eligibility criteria and waiting periods may apply.)

Diversity, Equity & Inclusion: Bucknell is committed to fostering an environment that embraces diversity, equity and inclusion, and seeks candidates who will contribute to a climate that supports the growth and development of a diverse campus community. We endeavor to enhance our capacity to value and capitalize on the cultural richness that diversity brings. We encourage all individuals to apply and do not discriminate in admissions, employment, educational programs and/or activities on the basis of race, color, national or ethnic origin, age, religion, disability, pregnancy, sex/gender, gender identity and/or expression, sexual orientation, marital or family status, military or veteran status, or genetic information. To apply, visit <https://apptkr.com/4671185> Copyright ©2022 [Jobelephant.com](https://www.jobelephant.com) Inc. All rights reserved.

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This ad has been abbreviated to fit the page. You can see the ad in its entirety on our website.

POSITION AT BUCKNELL COLLEGE

The Mathematics Department at Bucknell University invites applications for a tenure-track faculty position in mathematics, with a specialization in Analysis, to begin August 1, 2024. We expect to hire at the Assistant Professor level. Dedicated teacher-scholars are encouraged to apply. Qualifications for the position include a Ph.D. in Mathematics, a strong commitment to teaching, and a high potential for research. We seek a colleague who will contribute to the department's focus on inclusivity and its liberal arts mission and we welcome candidates who demonstrate excellence in reflective multicultural and inclusive teaching practices and who display a strong commitment to collaboration and interdisciplinarity.

Applications include a cover letter, curriculum vita, graduate transcripts (unofficial copies accepted), a teaching statement, a research statement, and a statement of contributions to diversity, equity, and inclusion. We ask that you address your interest in working at a primarily undergraduate institution in your cover letter and/or teaching statement. Any discussion of undergraduate research should appear in the research statement. Your diversity statement should address your past actions and/or personal experiences related to diversity, equity, and inclusion, especially as it relates to barriers facing traditionally underrepresented groups. This statement should also discuss how these actions and/or experiences will inform your future approach to teaching and service.

Please submit these and all other supporting materials electronically at mathjobs.org. Please arrange for three letters of recommendation (at least one of which addresses teaching beyond what may be found in student evaluations) to be uploaded at mathjobs.org. Review of applications will begin no later than **November 20, 2023**, and will continue until the position is filled.

For further information, contact Abby Flynt at: abby.flynt@bucknell.edu, or address letters to Search Committee, Department of Mathematics, Bucknell University, Lewisburg, PA 17837 USA

Suggestions for preparing applications can be found here:

https://docs.google.com/document/d/1kl7dQ53pBD1RxsusGv2CjoDlMSal.fD6EqHFQFmp_m_k/edit?usp=sharing

All applications must be submitted through the following link: <https://www.mathjobs.org/jobs/list/22723>

Work Type: This position is a full-time, benefits-eligible, tenure-track, faculty exempt position.

Benefits: Eligible full- and part-time employees are compensated beyond base salary through our total rewards package that includes (but is not limited to):

- flexible scheduling options determined by role;
- medical, prescription drug, vision, dental, life, and long-term disability insurance options
- an outstanding 10% employer contribution to your retirement plan (no contribution requirement for non-exempt positions)
- full-time and part-time members of the faculty and staff are eligible for tuition remission for themselves. Additionally, full-time members of the faculty and staff are eligible for tuition remission for their spouse/spousal equivalent and are eligible for various tuition programs for their children. Credit for full-time benefits eligible employment at other institutions of higher education will be applied to waiting periods.
- a comprehensive employee wellness program including program incentives
- myriad other benefits, including parental leave, an employee assistance program, fitness center membership, and the power of your Bucknell ID card

Diversity, Equity & Inclusion: Bucknell is committed to fostering an environment that embraces diversity, equity and inclusion, and seeks candidates who will contribute to a climate that supports the growth and development of a diverse campus community. We endeavor to enhance our capacity to value and capitalize on the cultural richness that diversity brings. We encourage all individuals to apply and do not discriminate in admissions, employment, educational programs and/or activities on the basis of race, color, national or ethnic origin, age, religion, disability, pregnancy, sex/gender, gender identity and/or expression, sexual orientation, marital or family status, military or veteran status, or genetic information. To apply, visit <https://apptrkr.com/4671189>

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POSITION AT UNIVERSITY OF TENNESSEE KNOXVILLE

The Mathematics Department at The University of Tennessee, Knoxville seeks exceptional candidates to fill the following two positions:

1. Full/Associate Professor in Actuarial Science
To apply visit: apply.interfolio.com/129658
2. Assistant Professor in Computational
And Applied Mathematics (CAM)
To Apply visit: apply.interfolio.com/129671

POSITION AT IOWA STATE UNIVERSITY

The Department of Statistics, jointly administered by the College of Agriculture and Life Sciences and the College of Liberal Arts and Sciences at Iowa State University, seeks a tenure-track assistant professor with expertise in statistics and data science. The successful candidate will develop and sustain a high-quality and high-impact research program, successfully compete for external funding, and collaborate with world-class researchers at Iowa State in statistics and other disciplines.

Further, the successful candidate will engage in professional and institutional service, teach graduate and undergraduate statistics courses, and advise graduate students in one of the first and largest statistics graduate programs in the country. For more details and application instructions, please visit the [ISU application site](#).

Applications received by **November 17, 2023**, are guaranteed full consideration.

Iowa State University is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, genetic information, national origin, marital status, disability, or protected veteran status and will not be discriminated against. Inquiries can be directed to the Office of Equal Opportunity, 3410 Beardshear Hall, 515 Morrill Rd, 515-294-7612, email eooffice@iastate.edu.

POSITION AT LOYOLA MARYMOUNT UNIVERSITY

The Mathematics Department of Loyola Marymount University invites applications for a tenure-track position beginning Fall 2024.

Applicants are expected to have completed a Ph.D. or comparable terminal degree in mathematics, mathematics education, statistics, or a related field by August 15, 2024. Faculty responsibilities include teaching, advising, maintaining an active program of scholarship, and engaging in university service. The environment in the Department offers many opportunities for collaborative research, teaching, and service that actively inform and improve equity and social justice.

The Mathematics Department is committed to broadening the participation of students in STEM fields by enacting an anti-racist agenda, fostering equitable and inclusive classroom spaces, and increasing access to faculty-mentored research opportunities. Experience or evidence of interest related to diversity, equity, and inclusion (DEI), including how it pertains to student success and pedagogy, should be present in the candidate's professional activities related to service, scholarly activity, or in teaching and learning.

Additional information about the LMU Mathematics Department is available online at <https://cse.lmu.edu/department/math/>. Reasonable expected salary: \$85,000. LMU provides comprehensive benefit offerings and robust support for faculty. For more information about our programs visit admin.lmu.edu/hr/totalrewards/benefits and academics.lmu.edu/ofd/newfacultyorientation which links to the latest Faculty Resource Guide. Loyola Marymount University, a Carnegie classified R2 institution in the mainstream of American Catholic higher education, seeks outstanding applicants who value its mission and share its commitment to inclusive excellence, the education of the whole person, and the building of a just society. LMU is an equal opportunity employer committed to providing an environment free from discrimination and harassment as defined by federal, state, and local law. We invite all persons in the full diversity of their being, life experience, and beliefs to apply. Please read more about our commitments and our efforts at <https://resources.lmu.edu/dei/>.

A complete application consists of the following:

- A cover letter outlining your qualifications for the position that reflects a commitment to diversity, equity, inclusion, or scholarship of teaching and learning with a focus on equitable and inclusive teaching practices. This should include discussion of past and/or potential plans for diversity and outreach activities.
- A curriculum vitae detailing your educational background, research accomplishments, and work experience, as well as any experience (e.g., academic, professional, community) or evidence of capacity building to promote diversity, equity, and inclusion, or conduct scholarship of teaching and learning with a focus on equitable and inclusive teaching practices that you believe are relevant to this position;
- A statement of your teaching philosophy that addresses past and/or potential contributions that would be related to LMU's Mission or your overall vision for your role as a teacher-scholar;
- A statement of current research and your plans for establishing a thriving research program in your area of expertise at LMU, including how you plan to involve undergraduate and/or graduate students in that program; and
- A statement that addresses past and/or potential contributions to anti-racism, diversity, equity, inclusion, and accessibility which might include research, teaching and/or service that has prepared the candidate to contribute to the engagement and inclusion of diverse audiences in higher education, contributions to diverse perspectives and ways of knowing and learning, and/or research or professional experience with a specific focus on underserved communities or nations.
- Three letters of recommendation, at least one of which addresses the applicant's teaching.

Initial review of applications will begin on November 1, 2023, and conclude on **November 18, 2023**.

Apply online at <https://www.mathjobs.org/jobs/list/23174>. Please address questions to Professor Christina Eubanks-Turner, Hiring Committee Chair, at Christina.Eubanks-Turner@lmu.edu.

POSITION AT BOWDOIN COLLEGE

The Department of Mathematics at Bowdoin College invites applications for two tenure-track appointments at the assistant professor level beginning July 1, 2024. We look forward to welcoming two individuals who share our goal of fostering an inclusive mathematical community through exemplary research, teaching, mentoring, and outreach.

The College complies with applicable provisions of federal and state laws that prohibit unlawful discrimination in employment, admission, or access to its educational or extracurricular programs, activities, or facilities. Review of applications will begin **November 15, 2023**. Visit [Mathjobs.org](https://mathjobs.org) for a full description.

POSITION AT PORTLAND STATE UNIVERSITY

Portland State University is seeking postdoctoral candidates interested in research within a new NSF-funded Research and Training Group (RTG) in Computation- And Data-Enabled Science (CADES). This RTG will produce unique workforce additions possessing deep knowledge in specific areas of computational mathematics and statistics, as well as a broad understanding of current issues in data-driven science. The CADES group effort is divided into three areas: Area I. Numerical techniques for partial differential operators, Area II. Data-intensive statistical learning, Area III. Optimization methods for data science.

In addition to foundational issues in computational mathematics, examples of applied research directions being pursued in the RTG include light propagation through optical devices, forecasting of weather, air quality, and drought, understanding progression of diseases like cancer and dementia, and multifacility location problems for warehouse and wireless services. All projects involve high performance computing and open-source scientific software products. The postdoc will be assigned two faculty mentors from the RTG team (Dacian Daescu, Jay Gopalakrishnan, Bruno Jedynak, Bin Jiang, Mau Nam Nguyen, Jeffrey Ovall, Daniel Taylor Rodriguez, Panayot Vassilevski).

Candidates whose doctoral research experience intersects with at least one of Areas I, II, III, and who are desirous of acquiring skills in the remaining areas, are particularly welcome. We are Oregon's most diverse, innovative, and affordable research university. To further our leadership in advancing diversity, equity and inclusion, we especially welcome candidates who can serve as role models and mentors for our diverse student body.

The position is restricted to US citizens, nationals, or permanent residents, and is for two years (including two summers), extendable for up to an additional nine academic months, subject to performance. The proposed start date is March 18th, 2024. The Hiring Manager is flexible on the start date and other options are June 17th, 2024, or September 16th, 2024. Multiple positions are open. The pay scale is capped at an annual salary rate of \$70,000. The package includes generous benefits and an annual travel budget of \$6000.

This RTG offers growth opportunities in a nurturing atmosphere where faculty are invested in collaborative group building and mentoring. We are housed in a newly renovated LEED-certified modern facility in downtown Portland, well-connected by rail, streetcar, and bus lines. The Portland area, home to numerous software and hardware companies in the high-tech sector, offers a thriving, progressive, urban scene, close to stunning nature.

Evaluation of applications start November 6, 2023.

Contact: Jay Gopalakrishnan (RTG Director) Email: jay.gopalakrishnan@pdx.edu

mathalliance@purdue.edu | www.mathalliance.org

This ad has been abbreviated to fit the page. You can see the ad in its entirety on our website.