## THE MATH ALLIANCE



## DR. DAVID GOLDBERG

 DirectorWe've made it to October, and that means we are just a month away from the Field of Dreams Conference (just a reminder it is November 3-5 on Atlanta). The registration site is still open for mentors, graduate students, and anyone else who is not an undergraduate or terminal MS student. We are working very hard with our partners at Georgia State University, and other in Atlanta, to make sure everything goes off smoothly. As I mentioned last month, we have some new elements planned for the conference - the guided walking tour of Auburn Avenue to the King Center and some "math improv" from an acting troupe. Should be very cool.

We are certainly at an interesting time for our disciplines, and for graduate programs in particular. This past week I was lucky enough to attend the AMS Mini-Conference on Education which focused on improving graduate programs in the math sciences for student success. The Chair of our Executive Council, Terrence Blackman of Medgar Evers College, CUNY, chaired the meeting.


While there are many challenges facing grad programs across the country, it is great to see folks coming together around these issues. I am also constantly reminded of how fortunate to have great leadership, like Terrence, bringing their best efforts to the table.

A big shout out always has to go to Rebecca Lank. Among the things Rebecca does is put this newsletter together. Every month she somehow squeezes it in with everything else on her plate. At this time of year, with all the conference demands of her, she still gets it done, but I don't know how. I know, when the next one comes out, we will be scrambling with last minute preparations for Atlanta, but it will get done. Hope to see you all there!

## What's Happening Next?

- STATFEST SAS Campus Cary, NC Sept. 23
- SIAM Great Lakes 2023 MSU Oct. 14
- Women in Statistics and Data Science Conference Bellevue, WA Oct. 25-27
- 2023 Field of Dreams Conference Georgia State Univ. Nov. 3- 5
- Joint Mathematics Meetings (JMM 2024) San Francisco, CA Jan. 3-6, 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-animplementation

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

## SIAM Meeting at Michigan State University

The meeting will be held on the campus at Michigan State University on Oct 14, 2023. This is a regional SIAM meeting held annually. The program consists of 3 plenary lectures (Selim Esedoglou, Elizabeth Munch, Takis Souganidis) and 15-20 mini-symposium. There is no registration fee, and partial support for travel and lodging will be offered to junior participants. The workshop is partially supported by SIAM and by the Department of Mathematics at MSU. The organizing committee includes Keith Promislow, Russell Schwab, and Olga Turanova.

The SIAM Great Lakes meeting are popular regional meetings that attract many graduate students from Michigan, Illinois, Indiana, and Ohio. They are excellent venues for graduate students to gain their first opportunity to give an external talk. We are requesting this affiliation status to encourage junior mathematicians from diverse backgrounds to participate. Minisyposium proposals will be accepted until Sept 1 , contributed talks and requests for travel support are accepted until Sept 15. There are no plans for NSF or other grant proposals in support of this meeting.

Department of Mathematics The University of Arizona ${ }^{\circ}$

## ARIZONA WINTER SCHOOL 2024

## Southwest Center for Arithmetic Geometry

 http://swc.math.arizona.eduApplication 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


## SUMMER RESEARCH TEAM PROGRAM

## Homeland Security

for Minority Serving Institutions

## Eligibility

About
The U.S. Department of Homeland Security (DHS) Summer Research Team (SRT) Program for Minority Serving Institutions (MSIs) is now accepting applications from faculty at Minority Serving Institutions (MSI) interested in participating in a summer research team experience

Participant Benefits:

- A competitive stipend
- Housing Allowance
- Limited Travel Reimbursement
- Follow-on-Research Funding up to $\$ 100 \mathrm{k}$https://orise.orau.gov/dhseducation/srt/default.htmldhsedeorau.org

Participant must:

- Be a US Citizen
- Have a Master's or Doctoral Degree
- Have a GPA of 3.00
- Be at an eligible Minority Serving Institution
- Have health insurance coverage

Deadline for Full Research Proposal:
February 9, 2024 11:59PM EST

## Apply

Deadline for Faculty Members to Apply: December 29, 2023 11:59PM EST

https://zintellect.com/Opportunity/ Details/DHS-SRTMSI-2024-FacultyApp

## SUBgroups Registration is Open

Registration is now open for this fall's edition of SUBgroups, an online peer group program for first-year math grad students. We hope that you might spread the word about SUBgroups to new graduate students that the Math Alliance has supported as they start their graduate school journeys.

We place students into groups according to the preference that they state, and this often means we are able to connect students who are minoritized in mathematics with others who share their identities. In the past this has included minoritized gender, racial, and sexuality identities. We hope that this feature of SUBgroups can help to further support your Math Alliance Scholars as they begin graduate careers.

Lots more details and the registration form for the program can be found here: http://gradsubgroups.org

Over the past four years we've had over 600 first-year students participate in SUBgroups from a wide array of programs around the country. Here are just a few quotes from participants about their experiences:
"I felt like I was able to learn a lot about other people's experiences and that helped make me feel that I was not alone."
"It was actually comforting to hear that others were somewhat struggling, like I am, with their first semester, especially with the added difficulties of the pandemic."
"I liked getting the opportunity to discuss starting graduate school with a group of women. Some of them also are the only women in their cohorts, so I am glad for them that they have this as a resource."

If you have any questions about SUBgroups or could use any additional information, please let us know.

Justin Lanier, Katie Waddle, Marissa Loving, Marquia Williams, Nelson Niu, and Yufei Zhang
The SUBgroups team

## 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 lyengar (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 of Michigan), Andrew Snowden (University of Michigan), 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: $\underline{\text { msri.org/workshops }}$
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 JI). 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


#### Abstract

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


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

The following positions are available:

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


## How to Apply

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

## Additional Support

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

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

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 scienti c and technical input.

The Fellow brings his/her/their technical background and external perspective to the decision-making process in Congress. Prospective Fellow 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.
Now in its 19th year, the AMS Congressional Fellowship provides a unique public policy learning experience, and demonstrates the value of sciencegovernment interaction. The program includes an orientation on

Every day on the Hill is new and exciting! Whether I am writing press releases, synthesizing complicated ideas into one-pagers, or meeting infl uential individuals, I learn something new every day. " 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 quali cations 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 towww.ams.org/ams-congressional-fellowship.

Deadline for receipt of applications: February 1,2024


## Partner Institution

## 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.

## Partner Institution

## POSITION AT UNIVERSITY OF WASHINGTON

## Assistant Professor, Mathematics- University of Washington, Department of Mathematics

The Department of Mathematics in the College of Arts and Sciences at the University of Washington (Seattle) invites applications for multiple full-time, tenure-track Assistant Professor positions. These positions have an anticipated start date in Autumn 2024. Faculty in the Department of Mathematics are outstanding researchers and devoted teachers, and they are dedicated to making a meaningful impact on the university and in the larger mathematical community.

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, as described here: https://math.washington.edu/diversity-commitment. We encourage applications from individuals whose backgrounds or interests align with this commitment.

Washington State law requires that this ad list a binding salary range. The base salary range for this position will be $\$ 11,666$ to $\$ 14,445$ per month on a nine-month basis ( $\$ 104,994$ to $\$ 130,005$ annually), commensurate with experience and qualifications, or as mandated by a U.S. Department of Labor prevailing wage determination.

## Qualifications

Applicants are required to have a PhD, or foreign equivalent, in mathematics or a related field, by the start of the appointment.

## Application Instructions

Applications should include a cover letter, the American Mathematical Society's Cover Sheet for Academic Employment, a curriculum vitae, a research statement, a teaching statement, a diversity statement, and at least four letters of recommendation, three addressing research and one addressing teaching. Review of applications will begin on October 15, 2023, and continue until the positions are filled.

## Apply at http://apply.interfolio.com/132404.

Additional letters regarding teaching or research that can be included using the
"Additional Documents" feature on Interfolio.

## 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. The teaching load is 3 courses, 9 credit hours, per year (a 2/1 load). Candidates are expected to provide effective teaching and carry out research in collaboration with members of one of our research groups. See our web page https://math.ua.edu/research-overview/ for more information.

Required Minimum Qualifications: Ph.D. in Mathematics or a closely related field and demonstrate the potential for research excellence in one of our research groups. A successful candidate will be expected to have sufficient experience to teach across the undergraduate curriculum.

Applicants should complete the online application at http://careers.ua.edu/cw/en-us/job/520617. The application should include a cover letter, a curriculum vitae, a research statement, and at least two letters of recommendation. The recommendation letters should be also submitted electronically through MathJobs (www.mathjobs.org). Applications will be reviewed on an ongoing basis and will continue to be accepted until the position is filled.

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 nontraditional 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 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 tgiorgi@ua.edu.

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## 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 fulltime, 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 antidiscrimination 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 Institution

## 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 coleadership 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 (stoffrel@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 (jgian@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 Institution

## POSITION AT MICHIGAN STATE UNIVERSITY

The Department of Mathematics at Michigan State University invites applications for Mathematical Biology/Computational Topology Research Associates with an open starting date from October 1, 2023, to August 16, 2024. Candidates will be evaluated continuously until multiple positions are filled. These are one-year, benefits-eligible positions that are potentially renewable on an annual basis contingent upon satisfactory performance and availability of funding.

Candidates will be mainly evaluated on their potential in research. Candidates are required to have a Ph.D. in Mathematics or an equivalent area, such as computational chemistry/biology/biophysics and computer science. Applications will be considered from any of the focus areas:

1. Al-based drug design and discovery
2. Bioinformatics/protein engineering/single-cell RNA sequence analysis
3. Machine learning/deep learning
4. Computational topology/geometry/graph.

Research Associates will be affiliated with Professor Guowei Wei, who will direct their research activities. The research associates will engage in our active instructional mentoring program if their appointment includes an instructional component.

Applicants must submit their application materials for the Mathematical Biology/Computational Topology Research Associate job posting on Mathjobs.org at https://www.mathjobs.org/jobs/list/22658 to be considered. A complete application includes a vita, a research statement the indicates their experience in any of the four-focus areas, and at least three letters of recommendation, one of which must address their teaching experience.

Minimum Requirements: Candidates are required to have a Ph.D. in Mathematics or an equivalent area before the starting date.

Review of applications will begin on August 1, 2023, and continue until positions are filled. A background check is required for employment.

Michigan State University, is an affirmative action, equal opportunity employer and is committed to achieving excellence through cultural diversity. The university actively encourages applications and/or nominations of women, persons of color, veterans, and persons with disabilities. Job applicants are considered for employment opportunities and employees are treated without regard to their race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or veteran status.

## Member Institution

## POSITION AT THE UNIVERSITY OF MICHIGAN

## Two tenure-track positions in Statistics at the University of Michigan

The Department of Statistics at the University of Michigan, Ann Arbor, invites applications for multiple opportunities beginning August 26, 2024. We are recruiting for two tenure-track positions, one at the Assistant Professor level and one open rank. This is a university year (nine months) appointment. A Ph.D. in statistics or a related field is required. Applicants in all areas of statistics and data science who have demonstrated outstanding research accomplishments (at the senior level) or potential (at the junior level), excellence in teaching, and commitment to diversity are encouraged to apply. For applications at the Associate or Full rank, a strong track record of professional leadership and service is also expected.

To apply, submit your curriculum vitae, academic transcript if less than three years post PhD, a statement of current and future research plans, a statement of teaching philosophy and experience, evidence of teaching excellence, a statement demonstrating your commitment to diversity, equity, and inclusion, and arrange for at least three recommendation letters to be uploaded directly to mathjobs. Review of applications will begin on October 1, 2023 and continue until the position is filled. To ensure full consideration, apply for the Associate/Full Professor position at this link by October $\mathbf{1}$, and for the Assistant Professor position at this link by October 20. For more information about the department, visit http://www.Isa.umich.edu/stats/

We also invite applications to additional opportunities through the LSA Collegiate Fellowship (Assistant Professor level) and LSA Senior Collegiate Fellowship (Associate Professor level) program. This program recruits faculty whose research and/or teaching, and/or service contribute to diversity, equity, and inclusion in higher education. The program is open to all persons who meet the eligibility criteria, without regard to race, gender, ethnicity, or other identity characteristics. For Assistant Professors hired through this initiative, the program can provide one or two years of fellowship support prior to starting the tenure-track appointment. The deadline is October 16, 2023.

For more information and to apply, visit https://lsa.umich.edu/ncid/fellowships-awards/Isa-collegiate-postdoctoral-fellowship.html

We strongly encourage women and members of underrepresented groups to apply. The University of Michigan is supportive of the needs of dual career couples and is an equal opportunity/affirmative action employer. All offers are contingent on successful completion of a background screening.

## Member Institution

## POSITION AT CASE WESTERN RESERVE UNIVERSITY

The Department of Mathematics, Applied Mathematics, and Statistics at Case Western Reserve University (CWRU) is searching for at least one tenure-track assistant professor in Statistics to begin in Fall 2024. Preference will be given to candidates whose research is in areas of statistics that complement and enhance the existing expertise in the department and who can meaningfully interact with the current group of statisticians, probabilists, and applied mathematicians in the department. This hiring is part of an effort to continue building a statistics group that collaborates with faculty in other fields, including, for example, data science, biology, physics, astronomy, biostatistics, as well as researchers in the Schools of Engineering, Management, and Medicine.

All candidates must hold a PhD in Statistics or a related field by the time of the appointment, have demonstrated teaching/mentoring experience, and have a publication record appropriate to rank. Candidates should submit a letter of application, curriculum vitae, a statement of current and future research plans, a statement of teaching philosophy and experience, and the candidate should arrange for three letters of recommendation to be submitted directly by the writers, at least one of which should address teaching. In addition, applicants are asked to submit a statement explaining how they value diversity, equity, and inclusion within their research and discipline(s) and how their own scholarly work might contribute to structural justice inside and outside institutions of higher learning. This statement should also suggest how the candidate's work, while as a member of Case Western Reserve University, will contribute to diversity, equity, and inclusion and how moving forward they intend to foster a culture of diversity, pluralism, and individual difference.

All application materials should be submitted electronically via Interfolio at apply.interfolio.com/129064. Applications will be reviewed upon arrival. All applications received prior to October 1st, 2023, will receive full consideration.

General correspondence about this position should be sent to Jenny Brynjarsdottir, Search Committee Chair, at jenny.brynjarsdottir@case.edu.

Case Western Reserve University is located in the University Circle cultural district of Cleveland, Ohio, home of the nationally top-ranked Cleveland Clinic, internationally famous Cleveland Orchestra, the Cleveland Museum of Art, the Cleveland Institute of Music, and the Cleveland Institute of Art. Within a five-mile radius from CWRU are the nation's second largest theater district, several professional sports teams, a wide range of musical, artistic, and culinary venues, recreational opportunities, and numerous diverse communities in which to live.

Case Western Reserve University strives to maintain a diverse and inclusive work environment. All applicants are protected under Federal law from discrimination based on race, color, religion, sex, national origin, disability, age and genetics.

Case Western Reserve University provides reasonable accommodations to applicants with disabilities. Applicants requiring a reasonable accommodation for any part of the application and hiring process should contact the Office of Equity at 216.368.3066 or equity@case.edu to request a reasonable accommodation. Determinations as to granting reasonable accommodations for any applicant will be made on a case-by-case basis.

# 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: pqcct23@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 VIRGINIA TECH

The Department of Mathematics at Virginia Tech is conducting a tenure-track search in post-quantum cryptography and coding theory.

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. The full description is posted at https://www.mathjobs.org/jobs/list/22896.

We are seeking candidates with strong backgrounds 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.

Please ensure that all application materials and letters are submitted by September 29th, the deadline for full consideration for this position.

## POSITION AT UNIVERSITY OF TENNESSEE, KNOXVILLE

## Two University of Tennessee, Knoxville Faculty Positions Announced

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 UNIVERSITY OF TENNESSEE, KNOXVILLE

## Two University of Tennessee, Knoxville Faculty Positions Announced

The Science Informed Artificial Intelligence (ScAl) cluster at The University of Tennessee, Knoxville, seeks exceptional candidates to fill two positions at the Associate or Full Professor level, primarily in the Mathematics Department, starting August 1, 2024. There will also be a unique opportunity for a joint appointment at the Chemistry, Industrial Systems Engineering, Mechanical Aerospace and Biomedical Engineering, or Physics departments.

## 1. Associate/Full Professor in Geometric Deep Learning http://apply.interfolio.com/132232

2. Associate/Full Professor Physics Informed Machine Learning http://apply.interfolio.com/132283

## POSITION AT CALIFORNIA STATE UNIVERSITY, FRESNO

Fresno State invites applications for a full-time, tenure-track position in the Department of Mathematics beginning in Fall 2024 at the Assistant Professor rank. A Ph.D. in Mathematics Education, or a closely related field, with a strong background in mathematics, is required (ABD candidates will be considered). The successful candidate will: (1) teach, supervise and advise undergraduate (B.S.), graduate (M.S.), and credential students; (2) conduct research/scholarly activities (that lead to grants, presentations, and publications); and, (3) engage in service to the University and the community. Depending on departmental needs and the candidate's expertise, his/her teaching responsibilities will include mathematics and credential courses for (mainly) pre-service K-12 teachers in the Bachelor of Science in Mathematics and the Liberal Studies programs. Instruction and project advising of students in the Master of Science in Mathematics program is also expected. The typical instructional workload is 12 weighted teaching units per semester. In the first two years, new tenure track faculty receive a reduced teaching load to allow new faculty start-up time for teaching, research, and other professional development efforts. Specific assignments are dependent on departmental needs and the background of the individual.

## Qualifications:

Required Education (from an accredited institution or foreign equivalent.):

- An earned doctorate (Ph.D.) in Mathematics Education and
- Master's degree in Mathematics or equivalent coursework.
- Applicants nearing completion of the doctorate (ABD) may be considered; however, for appointment, the doctorate must be completed by August 1, 2024


## Required Experience:

- Potential for successful teaching at Fresno State, as required by the position description. This can be demonstrated by, for example: (1) previous experience teaching mathematics courses at the PreK-12, undergraduate, or graduate levels, and/or (2) by discussing curriculum/teaching plans that would fit our institution and the position. Candidates should use their teaching statement to demonstrate that they have this required qualification.
- Evidence of ability to conduct successful research related to mathematics education. This can be demonstrated by, for example, (1) previous publications record, and/or (2) having a research plan for the next few years. Candidates should use their research statement to demonstrate that they have this required qualification.
- Ability to work effectively with faculty, staff, and students from diverse ethnic, cultural, and socioeconomic backgrounds. Please tell us, at least, (1) how you think you would fit in a diverse environment, like Fresno State's, and (2) what plans (and/or previous experience) you have in engaging students from typically underrepresented groups. Candidates should use their diversity statement to demonstrate that they have this required qualification.

Application Procedures: To ensure full consideration, applicants should submit all application materials by
October 1, 2023; review of applications will begin on October 2, 2023 and may continue until the position is filled. This position automatically closes on March 31, 2023. Note: All positions at Fresno State are subject to funding availability. Apply online at: CSU Fresno

Attach the following:

- Letter of interest or cover letter specifically addressing required experience and preferred qualifications
- Current curriculum vitae that includes at least three professional/academic references with their contact information
- Teaching statement/philosophy
- Research statement
- Statement addressing your commitment to working with faculty, staff, and students from diverse ethnic, cultural, and socioeconomic backgrounds (that is, a diversity statement).
- Unofficial transcripts for Ph.D. and Master's or graduate coursework.

Candidates invited for an on-campus visit must submit by mail/e-mail within the designated deadline. The Search Chair will send information and requests for these items:

- Three current letters of recommendation (dated within 12 months)
- Official transcripts

Committee Information and Search process: Search Chair: Dr. Rajee Amarasinghe, Department of Mathematics, College of Science and Mathematics, Email: ramarasi@mail.fresnostate.edu

Commensurate with qualifications and experience. Anticipated hiring range is \$6,167-\$6,334 per month for Assistant Professor ( 12 monthly payments per academic year). As a member of the 23 -campus CSU System, we offer an extremely competitive benefits package.

California State University, Fresno is an Affirmative Action/Equal Opportunity Employer. We consider qualified applicants for employment without regard to race, religion, color, national origin, ancestry, age, sex, gender, gender identity, gender expression, sexual orientation, genetic information, medical condition, disability, marital status, or protected veteran status.

## POSITION AT CLAREMONT MCKENNA COLLEGE

Claremont McKenna College hires and promotes individuals on the basis of their qualifications, consistent with applicable state and federal laws, without regard to race, color, religion, sex, sexual orientation, gender identity, gender expression, pregnancy, breastfeeding or related medical condition, national origin, ancestry, citizenship, age, marital status, physical disability, mental disability, medical condition, genetic characteristic or information, military and veteran status, or any other characteristic protected by state or federal law. Inquiries may be directed to the Director for Human Resources, 528 N. Mills Avenue, Claremont, California 91711-4015, (909) 6218490.

All applicants must complete and submit an online application to be considered for an open position.
Employment is contingent upon new employee providing documents verifying U.S. citizenship or, for aliens, documents verifying legal permission to work in the United States, applicant's acceptability for positions requiring use of a college vehicle is contingent upon a driving record acceptable to the College's automobile liability insurance. Promotion from within is encouraged whenever qualified employees of Claremont McKenna College are available. Interested employees of the College are urged to contact the Director of Human Resources if qualified for any open position. Please do not contact departments directly.

## Description:

The Department of Mathematical Sciences at Claremont McKenna College (CMC) invites applications for a tenure-track position, at the early assistant professor level, in Data Science. The position will begin on July 1 , 2024. The successful candidate is expected to hold a Ph.D. by the time of the appointment.

The successful applicant will teach courses in computer and data science offered by the Department of Mathematical Sciences. The teaching load is two courses per semester. The candidate must have demonstrated ability to maintain an active, high quality research program and the highest standards of excellence in teaching.

Given the College's commitment to cultivating an inclusive educational environment, we seek candidates who can demonstrate a commitment to teaching, mentoring, and inspiring students representing a broad range of socioeconomic backgrounds, political opinions, genders, races, ethnicities, nationalities, sexual orientations, and religions.

The anticipated salary range for this position is $\$ 95,000$ - $\$ 120,000$ per year.

## Procedures and Timetable:

Applications should include a cover letter; curriculum vitae; research statement; teaching statement; diversity statement; evidence of teaching effectiveness; a list of publications, and at least three letters of recommendation. Application must be submitted electronically at MathJob.Org or AcademicJobsOnline.Org. Complete applications, including three or more letters of recommendation, will be reviewed beginning November 1, 2023. Review of complete applications will continue until the position is filled.

Claremont McKenna College is a highly selective undergraduate institution ranked among the top liberal arts colleges nationally. It is part of The Claremont Colleges, which also includes Pomona College, Scripps College, Harvey Mudd College, Pitzer College, Claremont Graduate University, and Keck Graduate Institute. The Claremont Colleges consortium constitutes an academic community of more than 9,000 students. Claremont is located 35 miles east of downtown Los Angeles.

The Claremont Center for the Mathematical Sciences (CCMS) at Claremont aims to promote excellence in research and teaching in mathematical sciences by combining the resources of the individual members of the Claremont Colleges consortium for the benefit of the extended mathematical community. It features a full spectrum of research seminars and colloquia.

Claremont McKenna College is an equal opportunity employer. In a continuing effort to enrich its academic environment and provide equal educational and employment opportunities, the College actively encourages applications from members of historically under-represented groups in higher education.

With the job ad, please submit the following information to indicate which of the fields below are required/optional on the HR application site and, if applicable, how many fields you would like for each.

To apply: https://apptrkr.com/4551928

## POSITION AT CALIFORNIA STATE UNIVERSITY, RIVERSIDE

University of California, Riverside Department of Mathematics
The Department of Mathematics at the University of California, Riverside invites applications for an Assistant Professor of Teaching. The appointment will begin on July 1, 2024. The position parallels the tenured faculty series, with a focus on teaching, professional and/or scholarly achievement and activity, and service.

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

A Ph.D. in Mathematics, demonstrated excellence in teaching, and professional and/or scholarly achievement and activity, and service beyond the dissertation is required. Preferred qualifications include contributions to promote diversity. People from underrepresented groups are particularly encouraged to apply.

Duties will include, teaching 6 quarter courses per year, curricular development, and other enrichment programs for our service mathematics courses and the mathematics majors. Professional and/or scholarly activities may be related to mathematics itself or to mathematical pedagogy. Certain administrative work (e.g., coordination of undergraduate research, large introductory courses, and/or mentoring and advising of students particularly from underrepresented and underserved populations) and community outreach work are also relevant. Advancement through the faculty ranks at the University of California is through a series of structured, merit- based evaluations, occurring every 2-3 years, each of which includes substantial peer input.

To apply: go to https://apptrkr.com/4551203 and submit

- Cover Letter
- Curriculum Vitae
- Statement of Teaching and copies of teaching evaluations and /or other evidence of excellence in teaching.
- Statement of Professional and/or Scholarly Achievement and Activity (See APM 210-3: https://ucop.edu/academic-personnel-programs/_files/apm/apm-210.pdf)
- Statement of Past and/or Planned Future Contributions to Advancing Diversity and Inclusive Excellence
- Letters of Reference - Applicants should provide 4 letters on teaching and professional and/or scholarly achievement and activity.

Evaluation of applications will begin on November 1, 2023 and will continue until the position is filled. For full consideration, applicants should submit their complete applications before the above date.

For more information about the position, please contact Dr. Estela Gavosto,
Estela.Gavosto@ucr.edu. For inquiries regarding the application process, please contact Ashley Lawson, ashley.lawson@ucr.edu.

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

As a University employee, you will be required to comply with all applicable University policies and/or collective bargaining agreements, as may be amended from time to time. Federal, state, or local government directives may impose additional requirements.

## POSITION AT CALIFORNIA STATE UNIVERSITY, RIVERSIDE

University of California, Riverside Department of Mathematics
The Department of Mathematics at the University of California, Riverside invites applications for an Assistant Professor position in Applied and Computational Mathematics, beginning on July 1, 2024. The desired specialties include the modeling of fluids, optimization, machine learning, multi-scale mathematical modeling, computational scientific problem solving, and computational methods for nonlinear partial differential equations.

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

A Ph.D. in Mathematics or Applied Mathematics and demonstrated excellence in research and teaching are required. The successful candidate will have made major contributions beyond the doctoral dissertation.

Preferred qualifications include contributions to promote diversity.
People from underrepresented groups are particularly encouraged to apply.
To apply: go to https://apptrkr.com/4551301 and submit

- Cover Letter
- Curriculum Vitae, including a list of publications
- Statement of Research
- Statement of Teaching, and (optionally) copies of teaching evaluations.
- Statement of Past and/or Planned Future Contributions to Advancing Diversity and

Inclusive Excellence

- Letters of Reference - Applicants should provide 3 letters on research and one additional letter of recommendation on teaching.
Evaluation of applications will begin on November 1, 2023 and will continue until the position is filled. For full consideration, applicants should submit their complete applications before the above date.

For more information about the position, please contact Dr. Mark Alber, Department of Mathematics: malber@ucr.edu. For inquiries regarding the application process, please contact Ashley Lawson, ashley.lawson@ucr.edu.

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

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

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

As a University employee, you will be required to comply with all applicable University policies and/or collective bargaining agreements, as may be amended from time to time. Federal, state, or local government directives may impose additional requirements.

Salary Range: \$74,600-\$97,200

# POSITION AT CALIFORNIA STATE UNIVERSITY, RIVERSIDE 

University of California, Riverside Department of Mathematics
The Department of Mathematics at the University of California, Riverside invites applications for an Assistant Professor position in Topology. Truly exceptional applicants from other areas of pure mathematics are also encouraged to apply. The appointment will begin on July 1, 2024. This academic-year position is intended for the level of tenure-track Assistant Professor.

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

A Ph.D. in Mathematics and demonstrated excellence in research and teaching is required. The successful candidate will have made major research contributions beyond the doctoral dissertation.

Preferred qualifications include contributions to promote diversity.
People from underrepresented groups are particularly encouraged to apply.

## To apply: go to https://apptrkr.com/4551317 and submit

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

Evaluation of applications will begin on November 1,2023 and will continue until the position is filled. For full consideration, applicants should submit their complete applications before the above date.

For more information about the position, please contact Dr. Peter Samuelson, psamuels@ucr.edu. For inquiries regarding the application process, please contact Ashley Lawson, ashley.lawson@ucr.edu.

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

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

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

As a University employee, you will be required to comply with all applicable University policies and/or collective bargaining agreements, as may be amended from time to time. Federal, state, or local government directives may impose additional requirements.

## POSITION AT SMITH COLLEGE

The Department of Mathematical Sciences at Smith College invites applications for an open-rank tenure-track or tenured position, to begin July 1, 2024. Dedicated teacherscholars in mathematics or related fields 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 position has a teaching load of two courses per semester, with repeat preparations being common. Successful candidates will have an active research agenda and should be prepared to engage a diverse group of students in their program of research. Candidates must have a track record of supporting students and a dedication to equity and inclusion.

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 students. Further details may be found at
https://www.smith.edu/academics/mathematical-sciences.
The Department of Mathematics, Statistics, and Computer Science (MSCS) at Macalester College invites applications for a tenure-track Assistant Professor in Mathematics to begin Fall 2024. Candidates must have or be completing a Ph.D. in Mathematics, Applied Mathematics, or a closely related field. They must have a strong commitment to and vision for excellence in teaching, mentorship, and research in an undergraduate liberal arts environment. We are especially interested in candidates who can contribute to our applied mathematics curriculum, in introductory as well as advanced courses.

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. Smith College offers opportunities to foster faculty success at every career stage, such as those listed here. 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 applications at http://apply.interfolio.com/131727. 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, one of which should concentrate on teaching activities. Applications that are completed by November 1, 2023 will be guaranteed full consideration.

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 MACALESTER COLLEGE

The Department of Mathematics, Statistics, and Computer Science (MSCS) at Macalester College invites applications for a tenure-track Assistant Professor in Mathematics to begin Fall 2024. Candidates must have or be completing a Ph.D. in Mathematics, Applied Mathematics, or a closely related field. They must have a strong commitment to and vision for excellence in teaching, mentorship, and research in an undergraduate liberal arts environment. We are especially interested in candidates who can contribute to our applied mathematics curriculum, in introductory as well as advanced courses.

Macalester's joint department offers an attractive platform for mathematical scientists. Our unified structure facilitates cross-disciplinary cooperation. We are proud of our inclusive and active teaching, our focus on applications and computation throughout the curriculum (including in our innovative calculus sequence), our close relationships with other partner disciplines, and our vibrant record of conducting research with undergraduates.

As an Equal Opportunity employer supportive of affirmative efforts to achieve diversity among its faculty, Macalester College strongly encourages applications from women and members of historically marginalized groups.

See https://www.macalester.edu/mscs/math-positions-2023-2024/ for application details. Full consideration will be given to complete applications received by
October 6, 2023.

## POSITION AT UNIVERSITY OF KENTUCKY

The Department of Mathematics in the College of Arts Sciences at the University of Kentucky in Lexington, KY seeks to fill two tenure track positions beginning Fall 2024, one in Topology and one in Applied Mathematics. The successful candidate is expected to pursue a vigorous research program and to deliver high quality teaching to both graduate and undergraduate students. A Ph.D. in Mathematics or related filed is required.

As an equal Opportunity Employer, we strongly encourage veterans, individuals with disabilities, women, and all minorities to consider our employment opportunities.

Please see our job ads for more information: https://www.mathjobs.org/jobs/list/23164 and https://www.mathjobs.org/jobs/list/23163

# POSITION AT UNIVERSITY OF CALIFORNIA, SANTA CRUZ 

## Mathematics: Algebra - Assistant Professor (initial review Nov. 14, 2023)

## Position overview

Position title: Assistant Professor in the area of Algebra
Salary range: The proposed academic-year (9-month) salary range for this position is \$98,300$\$ 110,600$. A salary within this range will be offered to the successful candidate, commensurate with qualifications and experience. The appointee will be able to receive additional compensation during summer months using research funds, subject to campus policies. A 9-month salary higher than $\$ 110,600$ can only be offered subject to exceptional approval by the Campus Provost / Executive Vice-Chancellor, and only in cases where a candidate has a competing offer in hand for a (9-month) salary that exceeds $\$ 110,600$. A generous start-up package will be provided; we encourage negotiations on the start-up package during the offer process.

Percent time: Full-time, 100\%
Anticipated start: July 1, 2024, with the academic year beginning in September 2024. Degree requirements must be met by June 30, 2024 for employment effective July 1, 2024.

## Application Window

Open date: September 15, 2023
Next review date: Tuesday, Nov 14, 2023 at 11:59pm (Pacific Time)
Apply by this date to ensure full consideration by the committee.
Final date: Sunday, Jun 30, 2024 at 11:59pm (Pacific Time)
Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.

## Position Description

The https://www.math.ucsc.edu/index.html at the University of California, Santa Cruz (UCSC) invites applications for an Assistant Professor in the area of Algebra. This field spans a broad spectrum of topics, including areas such as number theory, algebraic geometry, representation theory, group and Lie theory, and category and homotopy theory. The successful candidate will be expected to contribute to the undergraduate and graduate degree programs through teaching and mentorship. Responsibilities will also include contributing to research, providing service to the department and university, and working with students, faculty, and staff from broad social and cultural backgrounds. We value colleagues who will collaborate within our department as well as build connections with scholars across campus.

UC Santa Cruz is distinguished by our high-impact scientific research, and we are committed to diversity, social justice, the environment, and educational opportunity. UCSC is a Hispanic-Serving Institution https://hsi.ucsc.edu/ and an Asian American and Native American Pacific IslanderServing Institution https://www2.ed.gov/programs/aanapi/index.html with a high proportion of first-in-family undergraduate students. We welcome candidates who understand the barriers facing women and minoritized individuals who are underrepresented in higher education (as evidenced by life experiences and educational background), and who have experience in promoting equity and diversity with respect to teaching, mentoring, research, life experiences, or service consistent with our goal of building an equitable and diverse scholarly environment.

UCSC is committed to addressing the holistic needs of faculty. We also welcome applications from those who have had non-traditional career paths, who have taken time off for personal reasons, or who have achieved excellence in careers outside academia.

## POSITION AT UNIVERSITY OF CALIFORNIA, SANTA CRUZ

Position continued from previous page-
The chosen candidate will be expected to sign a statement representing that they are not the subject of any ongoing investigation or disciplinary proceeding at their current academic institution or place of employment, nor have they in the past ten years been formally disciplined at any academic institution/place of employment. In the event the candidate cannot make this representation, they will be expected to disclose in writing to the hiring Dean the circumstances surrounding any formal discipline that they have received, as well as any current or ongoing investigation or disciplinary process of which they are the subject. (Note that discipline includes a negotiated settlement agreement to resolve a matter related to substantiated misconduct.)
Mathematics Department: https://www.math.ucsc.edu/index.html

## Qualifications

Basic qualifications (required at time of application)

- A PhD or equivalent foreign degree in mathematics or a closely related field. It is expected that the degree requirements will be completed by June 30, 2024.
- Demonstrated record of research, teaching, and service.
- Evidence of contributions to diversity, equity, and inclusion, through research, teaching, and service.


## Application Requirements

## Document requirements

- Cover Letter - Letter of application that briefly summarizes your qualifications and interest in the position.
- Curriculum Vitae - Your most recently updated C.V., which should include published papers, submitted manuscripts, posted preprints, proposals submitted and awarded, classes taught, students supervised/mentored, invited talks, awards, and other relevant signs of preparation and recognition.
- Statement of Contributions to Diversity, Equity, and Inclusion - Statement addressing your understanding of the barriers facing historically underrepresented groups in the United States and your past and/or future contributions to diversity, equity, and inclusion through teaching and professional or public service commensurate with training and experience. Candidates are urged to review guidelines on diversity statements (see https://apo.ucsc.edu/diversity.html) before preparing their application.
- Statement of Research - Statement that describes your most important achievements, your goals and vision for research, and the experience and qualifications that make you well-suited to achieve them.
- Statement of Teaching - Statement that describes your formal teaching contributions (this can include classroom experience and other relevant supervision/mentorship/instruction), future teaching and mentoring goals, and a description of your teaching approach and practices.
- AMS Cover Sheet


## Reference requirements

- 4-7 letters of reference required


# POSITION AT UNIVERSITY OF CALIFORNIA, SANTA CRUZ 

Position continued from previous page-

Applications must include confidential letters of recommendation.* Four are required and a maximum of seven will be accepted. At least one letter must address teaching experience and ability. Please note that your references, or dossier service, will submit their confidential letters directly to the UC Recruit System.
*All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC's confidentiality statement at http://apo.ucsc.edu/confstm.htm.
Apply link: https://apptrkr.com/4619015
Help contact: kabaldwi@ucsc.edu

## Campus Information

The University of California is 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, age, or protected veteran status. UC Santa Cruz is committed to excellence through diversity and strives to establish a climate that welcomes, celebrates, and promotes respect for the contributions of all students and employees. Inquiries regarding the University's equal employment opportunity policies may be directed to the Office for Diversity, Equity, and Inclusion at the University of California, Santa Cruz, CA 95064 or by phone at (831) 459-2686.

Under Federal law, the University of California may employ only individuals who are legally able to work in the United States as established by providing documents as specified in the Immigration Reform and Control Act of 1986. Certain UCSC positions funded by federal contracts or subcontracts require the selected candidate to pass an E-Verify check (see https://www.uscis.gov/everify). The university sponsors employment-based visas for nonresidents who are offered academic appointments at UC Santa Cruz (see https://apo.ucsc.edu/policy/capm/102.530.html).

UCSC is a smoke \& tobacco-free campus.
If you need accommodation due to a disability, please contact Disability Management Services at roberts@ucsc.edu (831) 459-4602.

UCSC is committed to addressing the spousal and partner employment needs of our candidates and employees. As part of this commitment, our institution is a member of the Northern California Higher Education Recruitment Consortium (NorCal HERC). Visit the NorCal HERC website at https://www.hercjobs.org/regions/higher-ed-careers-northern-california/ to search for open positions within a commutable distance of our institution.

The University of California offers a competitive benefits package and a number of programs to support employee work/life balance. For information about employee benefits please visit https://ucnet.universityofcalifornia.edu/compensation-and-benefits/index.html

As a University employee, you will be required to comply with all applicable University policies and/or collective bargaining agreements, as may be amended from time to time. Federal, state, or local government directives may impose additional requirements.

VISIT UC Santa Cruz: https://www.ucsc.edu
Job location: Santa Cruz, California
To apply, visit https://apptrkr.com/4619015
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