

Upcoming

JMM
San Diego, CA
January 10-13, 2018

Gulf States Alliance Conference
Tulane University
February 23-25, 2018

NCSU BFF Program
North Carolina State Univ.
March 14-16, 2018

Save the Date!

Announcing...

The 2018 Field of Dreams Conference will be held **Friday, November 2 -Sunday, November 4, 2018**. The conference will again be hosted by for another year by, Washington University in St. Louis and will be held in St. Louis, MO.

Additional conference details will be available in the next few months.

Thoughts from the Executive Director...



David Goldberg
Executive Director
of the National
Math Alliance

We have made it to the end of another calendar year. There has been a lot of activity this year at all levels of our Alliance. Our regional alliances are continuing to strengthen and grow. The Pacific Alliance and the CSU Alliance for PUMP continue to be leaders and set a great model for the rest of our regions. The Gulf States Math Alliance held its first conference in February, in Arlington, TX, and have announced their [second conference](#) for February, 2018 in New Orleans, LA. The New York City Math Sciences Alliance had their launch conference in May 2017, and they are continuing to organize themselves. They are planning their first conference with students for the fall of 2018. We have seen more groups start discussions of regional alliances, and we are so excited to see regions taking these initiatives which expand our mentor base, and help us provide more comprehensive mentoring to our students. Our mentoring community continues to grow, and we are now up over 725 mentors at about 270 campuses!! We have plans for how to improve our mentoring structures and how to help our newer mentors identify students who are appropriate for the Alliance. Of course, we had the great success of the Field of Dreams, which we discussed in last couple of newsletters. I will call your attention to the [AMS blog post](#) by Adriana Salerno regarding the conference. We were grateful to be recognized by the AMS as the winner of the Programs that Make a Difference Award for 2017. We'll be formally recognized for this award at the AMS banquet at the Joint Mathematics Meetings (JMM) in San Diego in January. We are looking forward to [our special session](#) at the JMM as well. If you are going to be at the JMM, please help us make this a big success by attending!! This session will feature talks by 13 Alliance Scholars, and was originally suggested by our former Associate Director, Edray Goins. I want to thank Edray, again, for getting this started and for the organization he provided before stepping away for our leadership team. I should mention, Edray was also the architect of this year's Field of Dreams agenda, and most, if not all, of the innovations came from him, including the Hidden Figures events. We are so grateful to have Edray's continuing contributions to our community. I have a revised list of items of interest to Alliance Mentors and Scholars later in this newsletter, and hope those attending the JMM will support these events, including those Edray has organized for NAM, as much as possible as well.

As we all finish our semesters, and look to the holidays and new year, let me just say what a great gift it has been to be involved in the Alliance at all, let alone be in the leadership. I am sure the next year will bring even more milestones for us as well as new challenges. We look forward to hearing about the successful applications of our F-GAP scholars and hope all the mentors and Scholars will keep us up to date on their progress. We have been working hard to develop some more comprehensive activities, and I hope we'll be able to announce some of those before too long. I hope you all have a safe and happy holiday season, and get to spend time with those you love.

Thanks again, for a great year, and keep up the great work!



SANTA FE INSTITUTE 2018 COMPLEX SYSTEMS SUMMER SCHOOL (CSSS)

WHAT IS IT? The Complex Systems Summer School offers an intensive four-week introduction to complex behavior in mathematical, physical, living, and social systems. The school is for graduate students, postdoctoral fellows, and professionals seeking to transcend traditional disciplinary boundaries and ask big questions about real-world complex systems.

WHO IS ELIGIBLE? Applications are accepted from graduate students, postdoctoral fellows, faculty and professionals in any discipline. Proficiency in English and some background in science or mathematics are required. Participants are expected to attend the entire session. Applicants are welcome from all countries. Women and members of underrepresented groups are especially encouraged to apply.

WHERE CAN I FIND OUT MORE AND APPLY?

Visit santafe.edu/CSSS



SANTA FE INSTITUTE

Searching for Order in the Complexity of Evolving Worlds

www.santafe.edu



SANTA FE INSTITUTE 2018 RESEARCH EXPERIENCES for UNDERGRADUATES

WHAT IS IT? The SFI Research Experiences for Undergraduates (REU) program is a **10-week summer residential internship** in which students develop innovative research projects in collaboration with an SFI mentor. The program asks students to discard traditional disciplinary boundaries, and combine tools and concepts from the physical, natural, and social sciences. This allows student to ask big questions about real-world complex systems using the rigorous methods practiced and taught at the Santa Fe Institute.

WHO IS ELIGIBLE? Students currently enrolled in an undergraduate bachelor's degree program from any country are eligible to apply. Women, members of underrepresented groups, and students from institutions with limited research opportunities are especially encouraged to apply.

WHERE CAN I FIND OUT MORE AND APPLY?

Visit santafe.edu/REU



SANTA FE INSTITUTE

Searching for Order in the Complexity of Evolving Worlds

www.santafe.edu

USTARS 2018

ust*rs.

underrepresented students in topology and algebra research symposium

The Eighth Annual USTARS
will be held on April 6-8, 2018
at Reed College
in Portland, OR

Faculty Speaker: Jose Perea
from Michigan State University

Check out www.ustars.org
for more information and to
apply to attend and present.

The primary mission of the Underrepresented Students in Topology and Algebra Research Symposium (USTARS) is to showcase the excellent research conducted by underrepresented students studying topology and algebra. Dedicated to furthering the success of underrepresented students, USTARS seeks to broaden the participation in the mathematical sciences by cultivating research and mentoring networks. USTARS is open to all people interested in the topological and algebraic fields.

(Our definition of underrepresented includes the definition provided the National Science Foundation: minorities (African American, Hispanic, and Native American), women, and individuals with physical disabilities.)



Save the Date

April 6-8, 2018

Reed College

ust*rs.

underrepresented students in topology and algebra research symposium

For more information, check out

www.ustars.org

or email us at

info@ustars.org

REED COLLEGE



Summer Program in Biostatistics & Computational Biology at the Harvard T.H. Chan School of Public Health

Summer Program in Biostatistics & Computational Biology at the Harvard T.H. Chan School of Public Health June 11, 2018 - July 20, 2018

Application Timeline: November 1, 2017 – February 1, 2018

Learn more about the [Summer Program](#) and [Eligibility Requirements](#)

The Biostatistics Department offers a comprehensive summer program to prepare and foster qualified underrepresented minority, disabled, and economically disadvantaged students to pursue advanced degrees in Biostatistics, Computational Biology, and Public Health. Students take classes, do leading edge research, participate in professional development workshops, attend special seminars given by internationally renowned faculty, prepare for the GRE, and enjoy social outings to bond with the other participants. This fully funded six-week program has existed for over 20 years.

Watch some of our students and faculty from the 2017 cohort reflect on their experiences [here](#).

Summer Program in Biostatistics & Computational Biology

The Summer Program is an intensive 6-week program, during which qualified participants receive an introduction to biostatistics, epidemiology, computing and research in public health. We designed the program to expose undergraduates to how important quantitative methods are in biological, environmental, and medical research. Housing, travel and a living stipend are provided.

Summer Program Post-Baccalaureate Internship

The 2-3 month internship program is for post-bacs interested in or planning to attend a graduate degree program in biostatistics or computational biology. Travel is provided and interns receive a salary for their participation in the post-baccalaureate program. Interns participate in collaborative research projects, through 1-2 rotations, at academic and clinical centers at Harvard. They also attend seminars at Harvard and Dana Farber Cancer Institute on relevant and interesting topics.

Visiting Faculty Workshop

This workshop is for Faculty who are interested in learning more about the field of biostatistics, in order to better inform their undergraduate advisees. The Visiting Faculty Workshop is a 3-day, expense paid opportunity described [here](#).

2018 SIAM Gene Golub Summer School

Inverse Problems: Systematic Integration of Data with Models under Uncertainty 2018 Gene Golub SIAM Summer School June 17-30, 2018 Breckenridge, Colorado, USA

The summer school aims to introduce graduate students to the mathematical and computational aspects of inverse problems, particularly modern developments that emphasize the quantification of uncertainty in the inverse solution within the framework of Bayesian inference. The target audience is PhD and appropriate MS students in mathematics and related fields such as computer science, statistics, engineering, and science.

For more information, please visit: <http://g2s3.com/>. The deadline for applications is **February 1, 2018**.

JMM 2018 Sessions of Interest

Wednesday January 10, 2018

7:00 a.m.-8:45 a.m.	MAA Minority Chairs Meeting Cardiff/Carlsbad Room, 3rd Floor, South Tower, Marriott Marquis San Diego Marina
8:30 a.m.-10:50 a.m.	AMS Special Session on Research by Postdocs of the Alliance for Diversity in Mathematics, I Room 33C, Upper Level, San Diego Convention Center
9:00 a.m.-9:50 a.m.	MAA-SIAM-AMS Hrabowski-Gates-Tapia-McBay Session: Lecture Room 8, Upper Level, San Diego Convention Center
9:50 a.m.-10:30 a.m.	MAA-SIAM-AMS Hrabowski-Gates-Tapia-McBay Panel Access to Quality Mathematics by All. Room 8, Upper Level, San Diego Convention Center
2:15 p.m.-3:40 p.m.	Association for Women in Mathematics Panel Discussion. Using Mathematics in Activism. Room 1B, Upper Level, San Diego Convention Center
2:15 p.m.-6:00 p.m.	MAA Invited Paper Session on Teaching for Equity and Broader Participation in the Mathematical Sciences Room 3, Upper Level, San Diego Convention Center
4:15 p.m.-5:35 p.m.	MAA-JCW-AWM-NAM Panel. Implicit Bias and Its Effects in Mathematics Room 2, Upper Level, San Diego Convention Center
6:30 p.m.-8:00 p.m.	AMS Education and Diversity Department Panel. Strategies for Diversifying Graduate Mathematics Programs Room 11B, Upper Level, San Diego Convention Center
9:30 p.m.-11:00 p.m.	Association for Women in Mathematics Reception and Awards Presentation Room 7B, Upper Level, San Diego Convention Center

Thursday January 11, 2018

8:00 a.m.-11:50 a.m.	MAA Session on 20th Anniversary-The EDGE (Enhancing Diversity in Graduate Education) Program: Pure and Applied Talks by Women, I Room 14B, Mezzanine Level, San Diego Convention Center
8:30 a.m.-	AMS Special Session on Research by Postdocs of the Alliance for Diversity in Mathematics, II
6:00 p.m.-	NSA's Women in Mathematics Society Networking Session

Friday January 12, 2018

8:00 a.m.- 10:50 a.m.	AMS Special Session on If You Build It They Will Come: Presentations by Scholars in the National Alliance for Doctoral Studies in the Mathematical Sciences, I Room 33C, Upper Level, San Diego Convention Center
1:00 p.m.- 5:20 p.m.	AMS Special Session on If You Build It They Will Come: Presentations by Scholars in the National Alliance for Doctoral Studies in the Mathematical Sciences, II Room 33C, Upper Level, San Diego Convention Center
6:00 p.m.- 7:15 p.m.	AWM Workshop: Poster Presentations by Women Graduate Students and Reception Lobby outside Room 6AB, Upper Level, San Diego Convention Center
6:00 p.m.- 8:40 p.m.	NAM Reception and Banquet Marina Ballroom FG, 3rd Floor, South Tower, Marriott Marquis San Diego Marina
7:45 p.m.- 8:35 p.m.	NAM Cox-Talbot Address Erica Walker Hidden in Plain Sight: Mathematics Teaching and Learning Through a Storytelling Lens. Marina Ballroom FG, 3rd Floor, South Tower, Marriott Marquis San Diego Marina

Saturday January 13, 2018

8:00 a.m.- 11:55 a.m.	MAA Session on Attracting, Involving, and Retaining Women and Underrepresented Groups in Mathematics -- Righting the Balance Room 5A, Upper Level, San Diego Convention Center
9:00 a.m.- 9:50 a.m.	NAM Panel Discussion Advising Our Students on the Transition to the 1st (or 0th) Year of Graduate School Room 1B, Upper Level, San Diego Convention Center
10:00 a.m.- 10:50 a.m.	NAM Business Meeting Room 1B, Upper Level, San Diego Convention Center
1:00 p.m.- 1:50 p.m.	NAM Clayton-Woodard Lecture Ronald Mickens Nonstandard Finite Difference Schemes: Impact, Importance, and Dynamical Consistency Room 1B, Upper Level, San Diego Convention Center

Invited addresses by Alliance Mentors

Wednesday, January 10, 2018

9:00 a.m.- 9:50 a.m.	MAA-SIAM-AMS Hrabowski-Gates-Tapia-McBay Lecture Talithia Williams <i>Mathematics for the Masses</i> Room 8, Upper Level, San Diego Convention Center
2:15 p.m.- 3:05 p.m.	MAA Invited Address Alissa Crans <i>Quintessential quandle queries.</i> Room 6AB, Upper Level, San Diego Convention Center

Thursday January 11, 2018

2:15 p.m.- 3:05 p.m.	AMS Invited Address Federico Ardila <i>Algebraic structures on polytopes.</i> Room 6AB, Upper Level, San Diego Convention Center
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Friday January 12, 2018

2:00 p.m.- 2:50 p.m.	ASL Invited Address Emily Riehl <i>A synthetic theory of ∞-categories in homotopy type theory.</i> Room 7B, Upper Level, San Diego Convention Center
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National Science Foundation Mathematical Sciences Internship Program

Apply today at <https://www.zintellect.com/Posting/Details/3602>
Applications close **February 1, 2018**

FEATURES

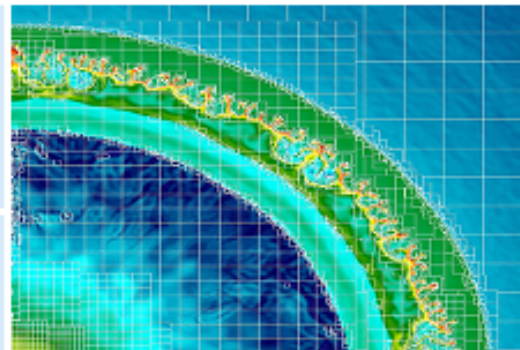
- 10 Week Internship
- Stipend and Travel Allowances (for eligible expenses)
- Gain Experience in Mathematical Sciences
- Participate at National Laboratories

AREAS OF DISCIPLINE

- Algebra and Number Theory
- Applied Mathematics
- Computational Mathematics
- Geometric Analysis
- Statistics/Probability
- Analysis
- Combinations
- Foundations
- Mathematical Biology
- Topology

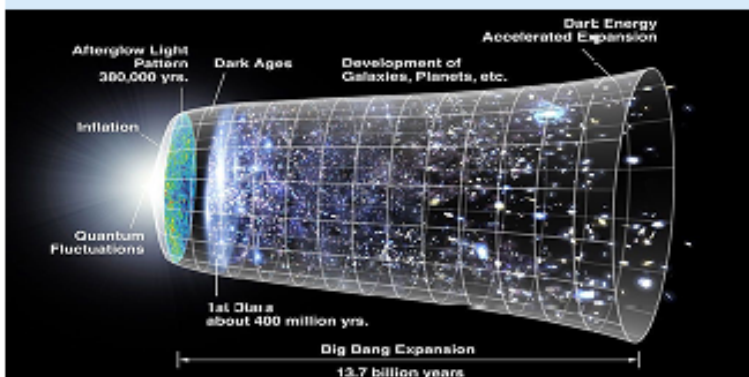
ELIGIBILITY

- Be enrolled as a full-time graduate student at an accredited U.S. college or university during the 2017-2018 academic year, be pursuing a doctoral degree in mathematics, statistics or applied mathematics.
- Have a cumulative graduate GPA of 3.30 or higher on a 4.00 scale, including fall 2017 grades



LOCATIONS

Argonne National Laboratory
Lawrence Berkeley National Laboratory
Lawrence Livermore National Laboratory
Los Alamos National Laboratory
National Renewable Energy Laboratory
Nevada National Security Site
Oak Ridge National Laboratories
Pacific Northwest National Laboratory
Sandia National Laboratories
Scripps Institution of Oceanography



For detailed information on eligibility and application requirements visit:

<https://orise.orau.gov/nsf-msgi/default.html>

For questions about the program, e-mail:

NSF-MSGI@orise.orau.gov

Mathematical Sciences Research Institute Spring Workshops, 2018



Mathematical Sciences Research Institute

Mathematical Sciences Research Institute Spring Workshops, 2018 Berkeley, CA

The Mathematical Sciences Research Institute (MSRI) will hold the following workshops during the Spring of 2018. Established researchers, postdoctoral fellows and graduate students are invited to apply for funding. It is the policy of MSRI to actively seek to achieve diversity in its workshops. Thus, a strong effort is made to remove barriers that hinder equal opportunity, particularly for those groups that have been historically underrepresented in the mathematical sciences.

January 18, 2018 - January 19, 2018

Connections for Women: Enumerative Geometry Beyond Numbers

<http://www.msri.org/workshops/814>

January 22, 2018 - January 26, 2018

Introductory Workshop: Enumerative Geometry Beyond Numbers

<http://www.msri.org/workshops/815>

February 01, 2018 - February 02, 2018

Connections for Women: Group Representation Theory and Applications

<http://www.msri.org/workshops/817>

February 05, 2018 - February 09, 2018

Introductory Workshop: Group Representation Theory and Applications

<http://www.msri.org/workshops/818>

February 21, 2018 - February 23, 2018

Critical Issues in Mathematics Education 2018: Access to mathematics by opening doors for students currently excluded from mathematics

<http://www.msri.org/workshops/877>

March 12, 2018 - March 16, 2018

Hot Topics: The Homological Conjectures: Resolved!

<http://www.msri.org/workshops/842>

March 19, 2018 - March 23, 2018

Structures in Enumerative Geometry

<http://www.msri.org/workshops/816>

April 09, 2018 - April 13, 2018

Representations of Finite and Algebraic Groups

<http://www.msri.org/workshops/820>

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



Workshop for Undergraduate Students **February 26-27, 2018** [APPLY HERE](#)

Application Deadline is January 3, 2018

Location: This workshop will take place at [SAMSI](#) in Research Triangle Park, NC.

Description: As part of its Education and Outreach Program for 2017-2018, the Statistical and Applied Mathematical Sciences Institute (SAMSI) will host a two-day undergraduate workshop on topics of current interest in statistics and applied mathematics. In addition to an overview of current and planned SAMSI Research Programs, the program topic [on Quasi-Monte Carlo and High-Dimensional Sampling Methods for Applied Mathematics \(QMC\)](#) will be covered in some depth.

**** Planning for this workshop is ongoing and more information will be provided as it is made available.**

While students from universities not in the U.S. are welcome to apply, please be aware that priority is given to students who are enrolled at U.S. institutions. If your application is accepted for the workshop, SAMSI will reimburse predetermined travel expenses. SAMSI will also provide shared lodging and meals/breaks during the days of the workshop.

Questions: email ugworkshop@samsi.info

University of Pittsburgh Department of Mathematics Lecturer Position Announcement

The Department of Mathematics at University of Pittsburgh invites applications for a non-tenure stream Lecturer to begin in the Fall Term 2018, pending budgetary approval. The initial appointment is for 2 years and the position is renewable for subsequent 3-year terms.

A Ph.D. in Mathematical Sciences or a closely related discipline is required. We seek excellence in teaching and an interest in innovative instruction. Send a vita, three letters of recommendation, and a teaching portfolio including a statement of teaching philosophy, sample course syllabi and assignments, and evaluations of teaching by students or supervisors, electronically through <http://www.mathjobs.org>.

Review of completed files will begin on **January 22, 2018** and continue until the positions are filled.

The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer and values equality of opportunity, human dignity and diversity. EEO/AA/M/F/Vets/Disabled.

U.S. Naval Academy Assistant Professor of Math, Stat, or Operations Research Position Announcement

Assistant Professor of Mathematics, Statistics, or Operations Research (U.S. Naval Academy)

The Mathematics Department at the United States Naval Academy in Annapolis, MD invites applications for one or more tenure-track Assistant Professor (or higher rank) appointments in each of the following three areas: (1) in pure or applied Mathematics, (2) in Statistics, and (3) in Operations Research.

The appointments will begin July 31, 2018. The successful applicant must be strongly committed both to teaching at the undergraduate level and to producing high-quality peer-reviewed research. A qualified candidate must be a U.S. citizen and have a Ph.D. in an appropriate field by July 2018. Candidates with a commitment and demonstrated ability to attract and retain students from underrepresented groups (including women) are particularly encouraged to apply.

Candidates are directed to our official job posting at <https://www.usna.edu/HRO/jobinfo/MathAsstProf-Fall2018.php> for details about the jobs and requirements (including a background investigation).

Florida Atlantic University Math Department Position Announcement

The Department of Mathematical Sciences invites applications for a Tenure-track position at the Assistant Professor level in the area of algebra, starting in August 2018. [Algebra](#) (Position description) [Apply Here](#)

The Department of Mathematical Sciences invites applications for a Tenure-track position at the Assistant Professor level in the area of topological data analysis, starting in August 2018. [Topological Data Analysis](#) (Position description) [Apply Here](#)

The Department of Mathematical Sciences invites applications for five full-time, renewable instructor positions to start in August 2018. [Instructor of Mathematics](#) (Position description) [Apply Here](#)

For more information visit the Florida Atlantic University Department of Mathematical Sciences webpage: <http://www.math.fau.edu/>

Florida Atlantic University is an equal opportunity/affirmative action Institution, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law. Individuals with disabilities, requiring accommodation, please call (561) 297-3057 - TTY 711.

FAU is committed to the principles of engaged teaching, research and service. All persons aspiring to achieve excellence in the practice of these principles are encouraged to apply.



Assistant Professor of Computational Mathematics University of Central Florida

The Department of Mathematics at the University of Central Florida (UCF) invites applications for two tenure-track positions at the Assistant Professor level anticipated to begin in August 2018. The first position (number 37381) is in the field of computational mathematics with emphasis in areas of high dimensional data analysis, theoretical machine learning, nonlinear optimization, probabilistic numerical methods, and related areas. (This position is part of the Provost's strategic hires and is closely related to another position in deep learning for the Center for Research in Computer Vision, see <http://crev.ucf.edu>.) The second position (37381) is in the more broadly defined field of computational mathematics; however, exceptional candidates with interests across other areas of math are also encouraged to apply.

With over 66,000 students, UCF is one of the largest universities in the nation, offering more than 200 degree programs at its main campus in Orlando. UCF is an economic engine, attracting and supporting industries vital to the region's future while providing students with real-world experiences that help them succeed after graduation. Mathematics faculty at UCF have many opportunities for interdisciplinary collaboration, including collaborations with the Center for Research in Computer Vision and the College of Optics & Photonics, which are world leaders in research. For more information, visit <http://www.ucf.edu/faculty/>.

Responsibilities: Successful candidates will be expected to teach both under graduate and graduate level courses, conduct a vigorous research program, pursue external funding, advise and mentor students, and participate in department and university governance.

Qualifications: All applicants must possess a Ph.D. in Mathematics or a closely related field from an accredited institution, at time of application. Some postdoctoral experience is desirable. Successful applicants must demonstrate a strong record of excellence in both teaching and research. Other qualifications include a high potential to attract external funding and effective communication skills in English.

How to Apply: UCF requires all applications and supporting documents to be submitted electronically through the Human Resources website, www.jobswithucf.com. Applicants who apply for position 37381 will also be considered for position 38834. The following documents are required at the time of application: a cover letter, a curriculum vitae, complete list of publications, a list or transcript of each graduate level math course taken and grade earned, a teaching philosophy statement, a research statement, and three letters of recommendation addressing your qualifications for the position. Additionally, it is desirable that applicants supply some evidence of effective teaching. For questions regarding this search, please contact Constance Schober, search committee chair, at Constance.Schober@ucf.edu.

Commitment to Diversity: As an equal opportunity/affirmative action employer, UCF encourages all qualified applicants to apply, including women, veterans, individuals with disabilities, and members of traditionally underrepresented populations. As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request.



Assistant or Associate Professor -Cyber Security and Privacy University of Central Florida

The University of Central Florida (UCF) has established a focus area in cyber security and privacy, as one of several interdisciplinary clusters established to strengthen its academic offerings and research mission. In support of this effort, we are recruiting faculty in the broad area of cyber security and privacy. We plan to hire one tenure-track assistant or associate professor for the UCF cyber security and privacy cluster. This position has a start date of August 8, 2018.

This will be an interdisciplinary position that will be expected to strengthen both the cluster and a chosen tenure home department, as well as a possible combination of joint appointments. A strong advantage of this position is the ability of the candidate to choose a combination of units from the cluster for their appointment. (See <http://www.ucf.edu/faculty/cluster/cyber-security-and-privacy/> for a complete list of all the units involved.) Both individual and interdisciplinary infrastructure and startup support will be provided with this new position. The ideal junior candidates will have a strong background in cyber security and privacy, and be on an upward leadership trajectory in these areas. They will have research impact, as reflected in high-quality publications and the ability to build a well-funded research program. All relevant technical areas will be considered. We are looking for a team player who can help bring together current campus efforts in cyber security or privacy. In particular, we are looking for someone who will work at the intersection of several areas, such as: (a) hardware and IoT security, (b) explaining and predicting human behavior, creating policies, studying ethics, and ensuring privacy, (c) cryptography and theory of security or privacy, or (d) tools, methods, training, and evaluation of human behavior.

The Department of Mathematics at UCF welcomes candidates from the mathematics community to join this interdisciplinary research cluster. In particular, we encourage mathematicians having research interests in cryptography and security, with particular interest in cryptography in practice, cryptanalysis, data analysis in cybersecurity, privacy, lattices, computational number theory, and coding theory, to apply. Our department values interdisciplinary and collaborative endeavors. Recent examples of interdisciplinary opportunities at UCF involving Mathematics include interdepartmental joint appointments (between Mathematics and Institute of Simulation and Training) and UCF faculty cluster and strategic hiring (e.g., Big Data and more recently in Deep Learning). Our faculty have active research collaborations within the College of Sciences and with the College of Optics and Photonics, the College of Engineering and Computer Science, the Center for Research in Computer Vision, the College of Education and Human Performance, and the Nanoscience and Technology Center. Minimum qualifications include a Ph.D., terminal degree, or foreign degree equivalent from an accredited institution in an area appropriate to the cluster, and a record of high impact research related to cyber security and privacy, demonstrated by a strong scholarly and/or funding record. A history of working with teams, especially teams that span multiple disciplines, is a strongly preferred qualification. The position will carry a rank commensurate with the candidate's prior experience and record.

UCF is one of the nation's largest universities with a diverse student body of more than 64,000 students and has grown substantially in size, quality, diversity, and reputation in its first 50 years. Today, the university offers more than 200 degree programs at its main campus in Orlando. UCF is an economic engine, attracting and supporting industries vital to the region's future while providing students with real-world experiences that help them succeed after graduation. UCF's Orlando location also puts it at the center of the Florida High Tech Corridor. The corridor has an excellent industrial base that includes software, defense, space, simulation and training, and a world-renowned entertainment industry. Adjacent to UCF is a thriving research park that conducts over \$2 billion in funded research, hosting more than 100 high-technology companies and UCF's Institute for Simulation and Training. The Central Florida area is designated by the State of Florida as the Center of Excellence in Modeling and Simulation. UCF also has an accredited medical school, which was established in 2006. UCF is a neighbor to large corporations, such as Disney, Harris Corporation, Lockheed Martin, Siemens, and many others, all of which have a strong interest in cyber security and privacy. Great weather, easy access to the seashore, one of the largest convention centers in the nation, and one of the world's best airports are just a few features that make Orlando an ideal location. We encourage you to learn more about UCF at <http://www.ucf.edu/faculty>.

Candidates must apply [online](#) and attach the following materials: a cover letter, curriculum vitae, teaching statement, research statement, and contact information for three professional references. In the cover letter candidates must address their background in cyber security and privacy, and identify the department or departments for their potential tenure home and the joint appointments they would desire. When applying, have all documents ready so they can be attached at that time, as the system does not allow resubmittal to update applications.

As an equal opportunity/affirmative action employer, UCF encourages all qualified applicants to apply, including women, veterans, individuals with disabilities, and members of traditionally underrepresented populations. UCF's Equal Opportunity Statement can be viewed at: <http://eeo.ucf.edu/documents/PresidentsStatement.pdf>. As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request.

For more information about these positions please contact the Cluster's Search Committee Chair, Gary T. Leavens, at Leavens@ucf.edu.

Arizona State University Tenure-Track Asst./Assoc. Professor in Statistics Position Announcement

The School of Mathematical and Natural Sciences at Arizona State University seeks applications for a full-time, tenure-eligible Assistant or Associate Professor in Statistics with any focus area.

The School of Mathematical and Natural Sciences, New College of Interdisciplinary Arts and Sciences (<https://newcollege.asu.edu/mathematical-natural-sciences-degree-programs>) at Arizona State University, is an interdisciplinary mathematical and natural sciences unit that encompasses statistics, mathematics, biology, chemistry, computing, forensics, and physics; it prides itself in interdisciplinary collaborations among these research areas.

Successful candidates are expected to establish a vigorous, externally-funded program of research; to deliver quality undergraduate and graduate instruction in statistics; and to contribute service to the university and the profession. Faculty can participate in university-wide graduate programs. The School is committed to recruiting and retaining students and faculty from groups that have historically been underrepresented in the sciences.

Required Qualifications:

Ph.D. in Statistics or a related field, by time of appointment; evidence of an on-going research program in Statistics and a record of publication and commitment to securing external grant funding consistent with candidate's experience; commitment and ability to work with a diverse student population.

Desired Qualifications:

Evidence of successful college/university teaching and course development experience; interest in establishing interdisciplinary research programs; practice guiding undergraduates in research and student mentorship; established collaborations with industry partners.

Instructions to Apply:

Email application to mns@asu.edu. Application deadline is November 20, 2017, and every Friday thereafter until the search is closed. Complete applications must include 1) letter of application, 2) a statement describing teaching philosophy and experience, 3) statement describing current and future research plans, 4) statement describing commitment to diversity, 5) unofficial transcripts, and 6) curriculum vitae with your contact information, including telephone number and e-mail address, and 7) contact information (name, address, email, telephone number) for three professional references. Requested material should be in one PDF document. Only electronic applications are accepted for this position. Please reference **Job# 12131** when applying for the position.

ASU conducts pre-employment screening for all positions which includes a criminal background check, verification of work history, academic credentials, licenses, and certifications. Arizona State University is a new model for American higher education, an unprecedented combination of academic excellence, entrepreneurial energy and broad access. This New American University is a single, unified institution comprising four differentiated campuses positively impacting the economic, social, cultural and environmental health of the communities it serves. Its research is inspired by real world application blurring the boundaries that traditionally separate academic disciplines. ASU serves more than 80,000 students in metropolitan Phoenix, Arizona, the nation's fifth largest city. ASU champions intellectual and cultural diversity, and welcomes students from all fifty states and more than one hundred nations across the globe.

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. ASU's full non-discrimination statement (ACD 401) and Title IX policy are located at <https://www.asu.edu/aad/manuals/acd/acd401.html> and <https://www.asu.edu/titleIX>.

Sonoma State University Tenure– Track Position Announcement in Mathematics and Statistics

Assistant Professor (tenure-track), Statistics or Mathematics, Sonoma State University

The Department of Mathematics and Statistics within the School of Science and Technology at Sonoma State University (SSU) is seeking a highly motivated teacher/scholar in statistics or statistics education. Exceptional candidates in other areas of mathematics and statistics may also be considered, for example those with experience in areas such as data analytics or biostatistics. The available tenure-track position is at the rank of assistant professor and requires a Ph.D. in statistics or a Ph.D. in mathematics with a Masters degree in statistics or its equivalent, or a Ph.D. in statistics education with a Masters degree in statistics or its equivalent, or a closely related field. The successful candidate should have a demonstrated record of excellence and innovation in undergraduate teaching and be actively engaged in scholarly work.

The selected candidate will be expected to teach a variety of undergraduate statistics and/or mathematics courses as appropriate for their expertise. Examples could include statistics major courses, such as statistical programming and consulting, general education courses, calculus sequence courses, and mathematics major courses. The selected individual should be committed to teaching a diverse group of undergraduates, including groups historically underrepresented, and groups who may have experienced discrimination. This individual should demonstrate sensitivity, knowledge, and understanding of the diverse academic, socioeconomic, gender, cultural, disability, and ethnic backgrounds of the students we serve.

The total teaching assignment each semester is approximately 12 credit hours, with a reduced semester teaching load of approximately 9 credit hours a semester for the first two years. However, if successful in obtaining external funds, the successful candidate may teach fewer units. Faculty members in the Department of Mathematics and Statistics are also expected to participate in developing the Department's curricula and to maintain a program of scholarship. In addition to teaching and scholarship, faculty are expected to engage in academic advising, to assist the department with program assessment, administrative and/or committee work, and to serve on campus-wide committees. Sonoma State is committed to the Teacher/Scholar model and places an emphasis on faculty support of undergraduate research. The selected individual will be committed to teaching a diverse group of undergraduates and supervising undergraduate research projects.

Applications received by **November 27, 2017** will be given full consideration. The position will remain open until filled. Electronic submission is required; see <https://www.sonoma.edu/aa/fa/prospective/tenure-track.html> for the full position announcement.

Sonoma State University offers an exceptional educational experience that fosters intellectual, cognitive, social, and personal growth. As the only member of the Council of Public Liberal Arts Colleges in California, we are uniquely positioned to foster ethical exploration, civic engagement, social responsibility, and global awareness combined with a solid foundation in an academic discipline. We have a strong commitment to graduating students who have the ability to think critically and communicate effectively in an ever-changing world. Members of the University community are expected to work effectively with faculty, staff, and students from diverse ethnic, cultural, and socioeconomic backgrounds. SSU is especially interested in candidates who make contributions to equity and inclusion in the pursuit of excellence in teaching, scholarship, and service.

Sonoma State University's beautiful 274-acre campus is located in Sonoma County wine country, an hour north of San Francisco. The campus offers the ideal setting for teaching and learning and access to a community of rich cultural, environmental, and recreational opportunities. Founded in 1960, Sonoma State University is one of the 23 campuses of the California State University System. As members of the largest public higher educational system in the nation, we provide accessible, high quality education to more than 9000 students. Sonoma State University is proud to be a Hispanic Serving Institution committed to achieving the goals of equal opportunity and endeavors to employ faculty and staff reflecting the ethnic and cultural diversity of the region and state.



Amherst College Mathematics Tenure-Track Position Announcement

The Department of Mathematics and Statistics invites applications for a full-time tenure-track or tenured appointment in mathematics beginning July 2018. Within the last decade, Amherst College has transformed its student body in terms of socioeconomic status, ethnicity, and nationality. We seek applicants who can teach and encourage students of diverse backgrounds, including first-generation college students, international students, and students with varying mathematical preparation. Responsibilities include teaching two courses per semester and supervising undergraduate theses.

Applicants must hold a Ph.D. in mathematics or a related field, have a strong commitment to research, and be passionate about teaching undergraduates at all levels. A senior appointment would be with tenure, contingent upon a tenure review. Applicants should submit a cover letter, curriculum vitae, research statement, teaching statement, and at least three letters of recommendation (including at least one that specifically addresses teaching), to MathJobs.Org. Applications will be accepted until the position is filled, and applications received by **December 1, 2017**, will be guaranteed consideration.

Questions can be addressed to mathstats@amherst.edu. Amherst College is co-educational liberal arts college with 1,800 students and 200 faculty. Resources for faculty include a Teaching and Learning Collaborative, a Center for Community Engagement, and a Faculty Research Award Program.

Medgar Evers College, CUNY Tenure-Track Mathematics Department Position Announcement

The Mathematics Department at Medgar Evers College, CUNY invites applications for a tenure track position in Mathematics (Statistics) at the rank of Assistant Professor. We seek a dynamic candidate with a strong background in both mathematics and statistics interested in contributing to the development of a nationally relevant program in mathematics focused on diversity and equity. A primary responsibility for this position will include contributing to the development of a new undergraduate program in statistics along with innovative courses that can be offered across the academic units at the college. The responsibilities of the position will also include maintaining an active research agenda, teaching courses in mathematics and statistics, advising undergraduate students, directing undergraduate research projects, and other duties as assigned by the Department.

Named for the famed civil rights activist Medgar Wiley Evers, Medgar Evers College is a senior college of the City University of New York. The College is located in the vibrant Crown Heights section of Central Brooklyn. The College and the Mathematics Department are committed to building and sustaining a culturally diverse faculty, staff, and student body. MEC is an institution in which excellence in teaching and research is highly valued.

Qualifications:

Candidates should have an earned doctorate in Mathematics, Statistics, or a related field and a strong commitment to inclusive excellence and demonstrated experience working with diverse populations. The candidate should have a promising record of scholarship, teaching and community engagement. The preferred candidate will have, in addition, an established or emerging interest in college access and preparation in mathematics, innovative instructional technologies, development and support of community partnerships, faculty professional development, and matters related to the retention and persistence in mathematics for students of color and students living in poverty. I.e., the successful candidate should have a strong interest in connecting mathematics education across P-20 settings and in working with community stakeholders.

[CLICK TO APPLY](#)

CLOSING DATE: Open until filled

Connecticut College Tenure-Track Assistant Professor in Statistics Position Announcement

The Department of Mathematics and Statistics at Connecticut College invites applications for a tenure-track position in Statistics to begin in the Fall of 2018 at the rank of Assistant Professor. Applicants must have a Ph.D. in statistics or a closely related field, or must have completed the requirements for such a degree by August 30, 2018. Candidates are expected to possess a strong commitment to excellence in undergraduate teaching, and the potential to carry on a successful research program in the setting of a small liberal arts college.

The Mathematics and Statistics Department currently consists of seven permanent faculty members, including one statistician, all of whom are committed to providing a vibrant environment for students of mathematics and statistics at all levels, furthering their own research areas, and providing service to the College. The department currently offers a statistics concentration in the mathematics major and an interdisciplinary minor in applied statistics.

The successful candidate will have the opportunity to shape the statistics curriculum both within the department and through participation in the college's new multidisciplinary general education program, [Connections](#). Candidates who are interested in collaborating with faculty and students in other disciplines on applied research projects and supervising undergraduate students engaged in independent research, are encouraged to apply.

Connecticut College is a private, highly selective institution with a demonstrated commitment to outstanding faculty teaching and research. Recognizing that intellectual vitality and diversity are inseparable, the College has embarked on a significantly successful initiative to diversify its faculty, student body and curriculum. The College seeks creative scholars excited about working in a liberal arts setting, with its strong focus on engaged teaching, participation in shared governance, and active involvement in an institution-wide advancement of diversity.

Tenure-track faculty members teach a 3-2 load. In addition to providing ongoing strong support for teaching and research, the College offers the following resources for pre-tenured faculty: a 2-2 teaching load in the first year, a supplementary research fund in the first three years and a semester's sabbatical at full salary after a successful third-year review. (For additional information on faculty resources, see <http://www.conncoll.edu/employment/faculty-resources/>) AA/EEO.

Review of applications will begin on **December 4, 2017** and will continue until the position is filled. To apply, please submit a letter of application; curriculum vitae; copies of graduate transcripts; three letters of recommendation; and teaching and research statements. At least one of the letters of recommendation must directly address teaching. Applications must be submitted through mathjobs.org.

More information about this position, the department, and the college may be found at www.conncoll.edu/departments/mathematics/.

Birmingham-Southern College

Tenure-Track Assistant Professor in Mathematics

Position Announcement

Birmingham-Southern College (BSC) invites applications for a tenure-track Assistant Professor in Mathematics beginning fall 2018. The area of specialty is open, though preference will be given to candidates in applied or interdisciplinary fields, including those who are able to contribute to our new Creative and Applied Computing program. The department especially invites candidates who can contribute to the college-wide goal of diversifying our faculty.

Applicants should hold a Ph.D. in mathematics or a closely related field by August 2018. In your cover letter, please address your interest in teaching at a liberal arts college and how your experiences with teaching, scholarship, and/or service might contribute to a college community whose core values include a commitment to diversity and inclusion. Providing an outstanding undergraduate education is the primary mission of the College, and applicants must demonstrate a commitment to excellence in undergraduate teaching. The typical teaching load is 3-1-3. The successful candidate will also be expected to maintain continued scholarly activity that engages undergraduate students. All faculty members are expected to participate fully in the life of the department and College through activities such as academic advising and committee service.

Submit letter of application, curriculum vitae, statement of teaching philosophy, statement of research interests, copy of graduate transcripts, and three letters of recommendation (two of which should address teaching) through MathJobs.org. Questions may be addressed to Dr. Bernadette Mullins at bmullins@bsc.edu. Candidates from backgrounds typically underrepresented in higher education are strongly encouraged to apply. Screening of applications will begin December 1, 2017. Preliminary interviews will be held at the Joint Mathematics Meetings, and candidates are asked to indicate their availability for such an interview.

Birmingham-Southern College is a selective residential liberal arts college enrolling approximately 1300 undergraduate students. BSC is included in Pope's *Colleges that Change Lives* and is a sheltering institution for Phi Beta Kappa. The College's curriculum is based on close faculty-student interaction in teaching, advising, and research. For more on the College's faculty, students, educational mission, and national reputation, visit www.bsc.edu.

Birmingham-Southern College is located just minutes from downtown Birmingham, which is the largest city in Alabama and a leading hub for banking and medical research in the Southeast. Birmingham is also a vibrant center for entertainment, commerce, and recreational activities. There are six higher education institutions within a short commute. The city also hosts a symphony, zoo, botanical garden, the largest art museum in the Southeast, the Birmingham Civil Rights Institute, and annual art, music, and film festivals as well as numerous opportunities for outdoor adventure activities. In 2015 Birmingham was ranked as the #1 "next hot food city" by Zagat's.

BSC is an equal opportunity employer and is especially interested in qualified candidates who can contribute through their teaching, research, and/or service to the diversity and excellence of the academic community. BSC is also committed to expanding the diversity of the faculty, staff and the student body and in creating a welcoming and inclusive environment for all. Individuals from diverse populations are encouraged to apply. BSC complies with the Alabama Child Protection Act and E-Verify. EOE



Tulane University Tenure-Track n Statistics Position Announcement

Tulane University Tenure-Track or Tenured Position in Statistics

The Department of Mathematics at Tulane University invites applications for a tenure-track or tenured position in Mathematical Statistics, to begin in the Fall 2018 semester. We seek candidates who have established a strong record of independent research, and have demonstrated a commitment to excellence in teaching. Candidates with a Ph.D. in Statistics, Mathematics, or Applied Mathematics are welcome to apply. While all applicants with appropriate credentials will be considered, preference will be shown to those with a strong methodological component to their research and to those who complement the strengths of existing groups at Tulane.

Applications should be submitted electronically at <http://www.mathjobs.org> and must include a standard AMS cover sheet, curriculum vita, four or more letters of reference (at least one of which directly addresses teaching), and separate statements on teaching philosophy and research program.

Applications received by **December 1, 2017**, will receive full consideration.

The Mathematics Department at Tulane has 21 tenured or tenure-track faculty members whose interests span a broad range of fields in both pure and applied mathematics as well as statistics. Please visit us at <http://www2.tulane.edu/sse/math/>.

This position is subject to final budgetary approval. For more information, please contact Morris Kalka, kalka@math.tulane.edu.

Tulane University is an equal employment opportunity/affirmative action/persons with disabilities/veterans employer committed to excellence through diversity. Tulane will not discriminate against individuals with disabilities or veterans. All eligible candidates are encouraged to apply.