Math Alliance News

Upcoming

PUMP wins 2017 Example of Excelencia Award

Prof. Helena Nornoha, CSUN, and her summer program PUMP won the 2017 Example of Excelencia Award. http://www.edexcelencia.org/examples-of-excelencia/2017. Additional PUMP program information.

"Excelencia is a not-for profit organization founded in 2004 in Washington, D.C. Excelencia in Education has become a trusted information source on the status of Latino educational achievement, a major resource for influencing policy at the institutional, state and national levels, and a widely recognized advocate for expanding evidence-based practices to accelerate Latino student success in higher education. Excelencia is also building a network of results-oriented educators and policymakers to address the U.S. economy's need for a highly educated workforce and for civic leadership."

Thoughts from the Executive Director...

David Goldberg
Executive Director of the National Math Alliance

As I sit to write this month's notes it is the day before Thanksgiving. This is my favorite holiday, and I am looking forward to sharing tomorrow with friends and family. It is a time for us to reflect on thing we are grateful for, and areas we would like to improve. I also think, having just completed the Field of Dreams Conference, this is a good moment for us to reflect on our Alliance, and identify our strengths and ways we can build on those, as well as our weaknesses and look for ways to address them if we can. F-GAP, and the Field of Dreams are the core of what we are doing. We are pleased to have over 100 students in F-GAP this year, and to see almost all of them come to this year's conference. We expect to set a new high water mark for F-GAP students being admitted to graduate programs in the fall of 2018. The conference continues to be a great success each year and the feedback has been largely positive on this year's conference. (Those who haven't done so, please fill out our survey about the conference!!) Within F-GAP and the Field for Dreams there is still a lot of room for improvement and we appreciate all the comments from participants pointing to things which could be better. One shortcoming this year was to not foresee the value which could be gained by video-recording the major events at the conference for the website. We especially regret not recording the Hidden Figures events – the speech by Christine Darden and the panel featuring Dr. Darden, Wendy Okolo of NASA Ames, and Powtawche Valerino of the Jet Propulsion Lab. We are going to try to address this by having some additional video content related to these sessions available on the web. Look for an e-mail alerting you to this soon. There are other areas we hope to address soon, as well, so stay tuned. Among our weaknesses have been knowing how to scale up what we do without sacrificing quality, and how to be sure we institutionalize what we have established so far. Our Center for the National math Sciences Alliance is addressing the second point, and I expect to be writing in next year's November newsletter about our successful implementation of the plan to institutionalize ourselves. The first point is an important one for us to address as a community, and look for us to have some material on this soon. All in all, I am very thankful to see the strength of our Alliance and to have the sense of community it is bringing to our profession.

Looking forward, our next event is a special session at the Joint Mathematics Meetings (JMM) entitled *"If You Build It They Will Come: Presentations by Scholars in the National Alliance for Doctoral Studies in the Mathematical Sciences"*. There will be two sessions, both on Friday January 12, 8:00 AM-10:50 AM and 1:00 PM-5:20 PM in Room 33C, Upper Level, San Diego Convention Center. We'll have 13 research talks by Alliance Scholars who have completed (or are just completing) their doctorates. Let's have a great turnout as the larger mathematical science community gets to hear what our Alliance Scholars are accomplishing!! We're also including a list of other JMM sessions which might be interesting to Alliance folks later in this newsletter. We hope to see many of you at the meetings, especially at our special session.

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

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
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
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.-11:50 a.m.	AMS Special Session on Research by Postdocs of the Alliance for Diversity in Mathematics, II Room 33C, Upper Level, San Diego Convention Center
6:00 p.m.-8:00 p.m.	NSA's Women in Mathematics Society Networking Session Rancho Santa Fe Rm 2&3, Lobby Level, N Tower, Marriott Marquis San Diego Marina

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

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 Claytor-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

2:15 p.m.- 3:05 p.m.	MAA Invited Address Alissa Crans *Quintessential quandle queries.* 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 *Algebraic structures on polytopes.* Room 6AB, Upper Level, San Diego Convention Center

Friday January 12, 2018

2:00 p.m.- 2:50 p.m.	ASL Invited Address Emily Riehl *A synthetic theory of $\infty\infty$-categories in homotopy type theory.* Room 7B, Upper Level, San Diego Convention Center

Mathematical Sciences Research Institute
Spring Workshops, 2018

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.

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
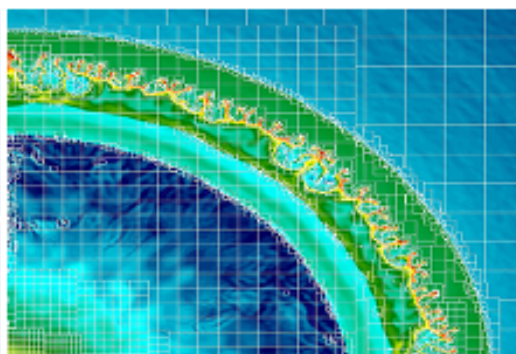
LOCATIONS

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
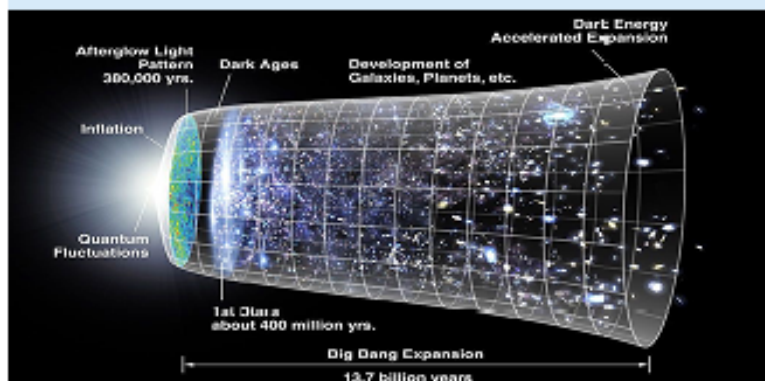
For detailed information on eligibility and application requirements visit:
https://orise.orau.gov/nsf-msgi/default.html

For questions about the program, e-mail:
NSF-MSGI@orise.orau.gov

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).

Purdue University Math Tenure-Track Position Announcement

The Mathematics Department at Purdue University invites applications for up to two possible appointments in mathematics to begin August 2018. These appointments will be at the level of assistant professor. Appointments will be made based on demonstrated research and teaching qualifications. Ph.D. (or its equivalent) in mathematics or a closely related field is required. Preference will be given to outstanding applicants in the areas of Analysis and Geometry (including stochastic analysis/probability, harmonic analysis, partial differential equations, complex analysis, and symplectic/differential geometry), Algebra (including commutative algebra, algebraic topology, algebraic geometry, automorphic forms and number theory), and Computational and Applied Mathematics (including applied, numerical, and computational analysis, the modeling of physical/biological systems, and inverse problems).

Duties: Conduct research in mathematics. Teach undergraduate and/or graduate mathematics courses to a diverse student body and supervise graduate students. Senior faculty will also mentor junior faculty and participate in the governance of the department, the College of Science, and the University by serving on faculty committees.

Applications should be submitted online through www.mathjobs.org/jobs/jobs/10778 and should include (1) the AMS cover sheet for academic employment, (2) a curriculum vitae, (3) a research statement, and (4) four letters of recommendation, one of which discusses the candidate's teaching qualifications. Reference letter writers should be asked to submit their letters online through www.mathjobs.org. Direct all inquiries to kstroud@math.purdue.edu. Applications are considered on a continuing basis but candidates are urged to apply by November 1, 2017. For more information about our department, see www.math.purdue.edu/. A background check will be required for employment in this position.

Purdue University's Department of Mathematics is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans 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://crcv.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 undergraduate 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 at 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 in-structional 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 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.