Math Alliance News

Upcoming

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.

Summer 2018 REU List

The annotated REU page on our website has been updated for this summer. We would like to thank Prof. Bill Vélez for helping us with this again this year.
https://mathalliance.org/math-alliance-partners/affiliates/

Thoughts from the Executive Director...

David Goldberg
Executive Director
of the National
Math Alliance

The new year is here, and we are happy to provide you with an update on the activities of the Alliance. There was a strong Alliance presence at this year's Joint Mathematics Meetings in San Diego. Several featured talks were presented by Alliance mentors, and many in our community delivered shorter talks in special sessions.   We held our own special session, "If You Build It They Will Come: Presentations by Scholars in the National Alliance for Doctoral Studies in the Mathematical Sciences", on Friday, January 12, and we were treated to 10 wonderful talks by recent, or finishing, Ph.D.s who have been Alliance Scholars. It was great to see and hear the accomplishments of these speakers and to see how far they have come!! The session was such a success we hope to make it an annual event. We are just starting to work on setting up the F-GAP program for 2018-19, so mentors, look for our email asking for nominations. We hope to have an all-time record number of F-GAP participants, again!! For those F-GAP Scholars currently in the program, please let us know the outcome of your applications, and where you choose to enroll in Graduate School. Keeping track of this data is extremely important in demonstrating to our sponsors that their money is well spent (and really crucial when we seek new support!!). If you're an F-GAP facilitator or a mentor to an F-GAP student, we appreciate all you are doing to help our students succeed, and hope you'll keep us informed of your student's success. I also want to call your attention to a special section in the February Notices of the AMS devoted to Black History Month. The photo collage features many of our mentors and Scholars, and several from our community have articles there (including one by Phil Kutzko and Me on the history of the Alliance!!). The whole section is great and we hope it helps raise awareness in the wider mathematical professional community. A big shout out to Talithia Williams for serving as the editor for this special section.

I want to mention, again, the Second Annual Gulf States Math Alliance Conference February 23-24 at Tulane University in New Orleans, LA. Bill Vélez, a member of the Executive Council of the Alliance, and the keynote speaker at the 2016 Field of Dreams Conference, will be the keynote speaker in New Orleans. Finally, we are already working on the next Field of Dreams Conference (**November 2-4 in St. Louis, MO—save the date!!).** We think this will be our biggest and best ever Field of Dreams, and we look forward to seeing you there. We hope to have more features from last year's conference on our website soon, so look for those as well. We think 2018 holds a lot of promise for our community and we are looking forward to sharing it with you.

Regional Meeting of the National Math Alliance for Doctoral Studies in Math Sciences

2018 Gulf States Math Alliance Conference

Friday, Feb. 23 - Sunday, Feb. 25, 2018

Tulane University Campus
New Orleans, Louisiana

KEYNOTE SPEAKER

Dr. Bill Vélez

Professor of Mathematics and Distinguished Professor at the University of Arizona Fellow of AAAS, AMS

Gulf States Math Alliance Universities

University of Texas at Arlington
University of Louisiana at Lafayette
University of Mississippi
Texas Southern University
Dillard University
Sam Houston State University
Xavier University of Louisiana
Jackson State University
University of the Incarnate Word
University of Texas at El Paso
University of Texas at San Antonio
Southern University at New Orleans
Southern University & A&M College
University of Houston
University of Texas - Rio Grande Valley
Lamar University
Tulane University

GS Math website by Mark Tomforde:
https://www.math.uh.edu/gsmath/

PROGRAM

Keynote lecture, panel discussions, graduate school fair, information sessions on bridge program, summer program/REU opportunities

TOPICS

Mentoring students in the mathematical sciences, Graduate school; Increasing participation from underrepresented groups and underserved groups; Fostering networking among faculty and students

Travel Support

Available to select teams consisting of students and a faculty mentor. Contact Dr. Martines, martines@uiwtx.edu

ORGANIZING COMMITTEE

Jianzhong Su (co-chair), University of Texas at Arlington
Michelle Lacey (co-chair), Tulane University
Tuncay Aktosun, University of Texas at Arlington
Joe Omojola, Southern University at New Orleans
Theresa Martines, University of the Incarnate Word
Gerard Buskes, University of Mississippi
Phil Kutzko, University of Iowa and National Math Alliance

CONTACT INFORMATION

Dr. J. Su & Dr. T. Aktosun, Aktosun@uta.edu
UTA NSF BRIDGE-TO-MATH-DOCTORATE PROGRAM
https://fermat.uta.edu/bridge/

NSF

UT ARLINGTON

Tulane University

Bridge to Enter Advanced Mathematics (BEAM)

Open Summer Positions at Bridge to Enter Advanced Mathematics (BEAM)

Counselor/Teaching Assistant (for current undergrads)
This summer, change the lives of talented middle school students from underserved backgrounds.
Bridge to Enter Advanced Mathematics (BEAM), a project of the Art of Problem Solving Initiative, Inc., is seeking undergraduate students or recent graduates to be counselors and teaching assistants for a summer program that gives everyone a chance to excel in mathematics. During summer 2018, we will run residential programs at Bard College and Union College in the Hudson Valley, and day programs in New York City and Los Angeles. At both programs, you'll create a vibrant social experience for kids who are discovering for the first time that there are other people who like doing mathematics; you'll also be a TA for classes on topics such as number theory, combinatorics, problem solving, and computer science. At our residential program, counselors will also live with the students in the campus dorms. Be a role model and guide for students who are just beginning to set their educational path!

Counselors must be strong mathematically, be reliable, and take initiative. They should be charismatic and able to help the kids have fun. All counselors must be at least 18 years old by July 8, 2018 (if applying for LA positions, June 18, 2018).

Residential Program:
Compensation: $2,600 for four weeks, plus room, board, and a transportation stipend.
Locations: Bard College, Union College
Dates: July 5 to August 1, 2018

Non-residential Program:
Compensation: $3,600 for six weeks, breakfast/lunch on weekdays, an unlimited MetroCard at the NYC program
Location: New York City, Los Angeles
LA Dates: June 11 to July 24, 2018
NYC Dates: July 2 to August 14, 2018

Deadline: rolling, but please apply by February 12, 2018 for full consideration.
For more information and to apply: https://www.beammath.org/counselor-info/

Bridge to Enter Advanced Mathematics: Summer Faculty Positions (for teachers, professors, and professionals able to work during the summer)
This summer, change the lives of talented middle school students from underserved backgrounds: teach them what mathematics really is. Bridge to Enter Advanced Mathematics (BEAM), a project of the Art of Problem Solving Initiative, Inc., is seeking instructors for a program that gives everyone a chance to excel in mathematics. Faculty design and teach their own courses to bright, underserved middle school students. During summer 2018, we will run residential programs at Bard College and Union College in the Hudson Valley, and day programs in New York City and Los Angeles.

Residential Program (BEAM 7):
Compensation: $5,000 for four weeks (or $3,300 for junior faculty such as graduate students or early-career teachers), plus room, board, and a transportation stipend.
Location: Bard College and Union College, both located about 2 hours out of NYC. Our students, all from high-poverty New York City public schools, will be discovering a new environment in these idyllic settings.
Dates: July 5 to August 1, 2018
Courses at BEAM 7 can be:
Pure math such as number theory, combinatorics, graph theory, or logic; **Applied math** such as circuit design, programming, astrophysics, or genetics; or **Problem solving**, either Math Team Strategies or Solving Big Problems.

Non-residential Program:
Compensation: $2,400-$5,600 for six weeks depending on course load (part-time positions available).
Location: New York City or Los Angeles
LA Dates: June 13 to July 24, 2018
NYC Dates: July 3 to August 14, 2018

BEAM 6 teachers receive outlines to help plan courses in **Logical Reasoning**, **Math Team Strategies**, **Math Fundamentals**, or **Applied Math**, and we are flexible for many different courses that meet our learning goals.

For both:
Ideal candidates include college or university professors (as well as graduate students) with strong teaching backgrounds, and middle or high school teachers with strong mathematics backgrounds. We've found that the community of teachers that we create, bringing together instructors from across many different academic areas, is one of the program's strengths and provides a great experience for all participants.
Good candidates will work well on a close-knit team and will be able to bring unique curriculum perspectives to the program. Experience with other extracurricular outreach programs (such as math summer programs or math circles, MATHCOUNTS, programming workshops, or similar) are also a plus. We will provide mentorship, textbooks, and other resources as needed.
This is a unique opportunity to influence the lives of young students. Our students have tremendous potential and a strong ability for abstract reasoning, but because of their schools and backgrounds they often have not had the same training as more affluent peers. They are devoted, doing many hours of math each day (and loving it). We hope that you will join us (and them)!

For more information and the application, contact us at info@beammath.org or visit our website at www.beammath.org.

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   NSF

Application Deadline: April 15, 2018
projectnext.maa.org
projectnext@maa.org

MAA Project NExT
NEW EXPERIENCES IN TEACHING

Launch the NExT stage of your career!

MAA Project NExT (New Experiences in Teaching) is a year-long professional development program of the *Mathematical Association of America* (MAA) for new or recent Ph.D.s in the mathematical sciences. The program is designed to connect new faculty with master teachers and leaders in the mathematics community and address the three main aspects of an academic career: teaching, research, and service.

Recent program sessions have included:
- getting your research and grant-writing off to a good start,
- innovative teaching and assessment methods and why they work,
- finding your niche in the profession,
- attracting and retaining underrepresented students,
- balancing teaching, research, and service demands,
- starting an undergraduate research program, and
- preparing for tenure

MAA Project NExT Fellows join an active community of faculty who have gone on to become award-winning teachers, innovators on their campuses, active members of the MAA, and leaders in the profession.

MAA Project NExT welcomes and encourages applications from new and recent Ph.D.s in postdoctoral, tenure-track, and visiting positions. We particularly encourage applicants from under-represented groups (including women and minorities). Applications for the 2018 cohort of MAA Project NExT Fellows are due on April 15, 2018 and can be found at projectnext.maa.org

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

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

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.**

OSU Oregon State UNIVERSITY

Research Experience for Undergraduates

Eco-Informatics Summer Institute

Summer 2018

WHO: Undergraduate students from all over the US who are citizens or permanent residents of the U.S. or its possessions

WHAT: Summer institute experience, stipend, and housing provided.

WHEN: June 18th – August 23rd, 2018

APPLICATION DEADLINE: February 02, 2018.

WHERE: HJ Andrews Experimental Forest on the McKenzie River and at OSU in Corvallis, OR.

WEBSITE: http://agsci.oregonstate.edu/eisi

Contemporary careers demand the ability to integrate technology, theory, and practical knowledge. Develop skills in collaboration and gain hands-on experience in the beautiful old-growth forests and stream ecosystems of the mountains of Oregon.

Work in teams to explore challenging natural resource management problems, extensive databases and complex ecosystem models, and new technologies for measuring ecosystems.

Interact with other talented students to conduct work in mathematics, statistics, computer science, ecology, engineering, and related fields to explore problems in natural resources management.

Come discover Oregon and be part of the emerging science of Ecoinformatics!

"EISI provides an excellent opportunity to add to the legacy of the HJ Andrews Experimental Forest with innovative ecoinformatics research. Living and working at the Andrews provides a spring board right into the heart of the Oregon Cascades." - 2008 Participant

Questions? Contact ecoinformatics@oregonstate.edu

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
- Analysis
- Applied Mathematics
- Combinations
- Computational Mathematics
- Foundations
- Geometric Analysis
- Mathematical Biology
- Statistics/Probability
- 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
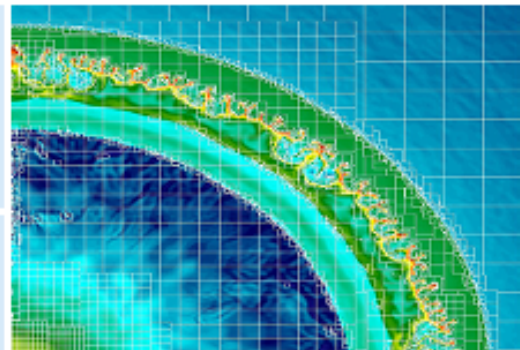
LOCATIONS

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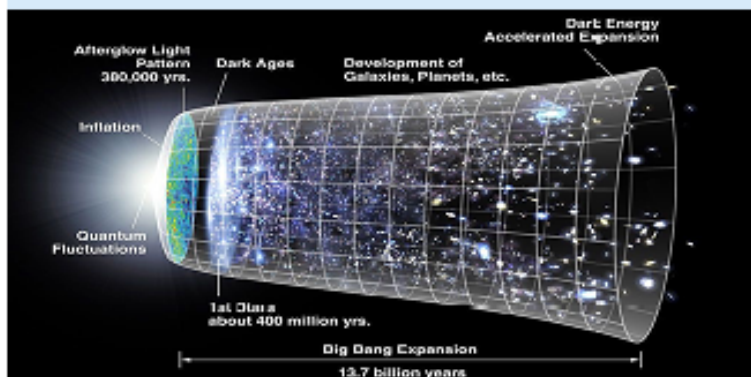
For detailed information on eligibility and application requirements visit:
https://orise.orau.gov/nsf-msgi/default.html

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

Mathematical Sciences Research Institute
Spring Workshops, 2018

Mathematical Sciences Research Institute 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.

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.

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 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.

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.

The University of Texas Arlington
Tenure-Track in Data Science
Position Announcement

The University of Texas Arlington
College of Science
Posting Number: F00071P

The College of Science at the University of Texas at Arlington (https://www.uta.edu/cos/) invites applications for a tenure-track faculty position in Data Science (broadly defined). Candidates may be considered for appointment at the level of Assistant Professor, or at higher rank depending on qualifications. This position is a step towards establishing a new interdisciplinary Data Science degree program that will involve faculty from multiple science departments. Candidates could: (1) have a Ph.D. in statistics, mathematics or computer science and work within a scientific domain on data-intensive problems; (2) have a Ph.D. in a scientific discipline and engage in data-driven research; or (3) have a Ph.D. in a relevant field and experience in applying data-intensive analysis in industrial or other non-academic settings. The ideal candidate will have the capability to formulate research in area(s) of natural or behavioral science, and an interest in collaborating with disciplinary scientists in areas of research where the College is strong, such as comparative genomics and proteomics, neuroscience, medical imaging, geospatial modeling, mathematical statistics, and machine learning in computational physics. Successful candidates will have a doctoral degree in a relevant field and will be expected to develop a nationally recognized, extramurally funded research program, as well as teach data science courses at the undergraduate and graduate (Master's and Ph.D.) levels. We are deeply committed to increasing diversity and especially encourage applications from women and minority scholars.

The College and University have numerous resources including the Shimadzu Institute for Research Technologies (a major partnership between UT Arlington and Shimadzu Scientific Instruments) that offers extensive resources for advanced imaging, proteomics and analytical chemistry. The High Energy Physics group hosts the Southwest Tier 2 computing facility for the ATLAS experiments at the Large Hadron Collider. The Science Engineering Innovation Research Building now under construction will house the newly established North Texas Genome Center with state-of-the-art bioinformatics facilities, and additional high-performance computing is available from the Texas Advanced Computing Center (TACC) – one of the leading advanced computing centers in the U.S. Excellent opportunities exist at UT Arlington and in the Dallas-Fort Worth Metroplex for collaborations with researchers in a range of science and engineering fields.

The University of Texas at Arlington is a Carnegie Research-1 "highest research activity" institution. With a total global enrollment of 58,664 in AY 2016-17, UTA is rapidly becoming largest institution in The University of Texas System. Guided by its Strategic Plan Bold Solutions | Global Impact, UTA fosters interdisciplinary research and teaching to enable the sustainable megacity of the future within four broad themes: health and the human condition, sustainable urban communities, global environmental impact, and data-driven discovery. UTA was cited by U.S. News & World Report as having the second lowest average student debt among U.S. universities in 2017. U.S. News & World Report also ranks UTA fifth in the nation for undergraduate diversity. The University is a Hispanic-Serving Institution and is ranked as the top four-year college in Texas for veterans on *Military Times'* 2017 Best for Vets list.

Arlington is a city of nearly 400,000 and is conveniently located in the center of the Dallas-Fort Worth Metroplex. Within a 25-mile radius of the center of Arlington is a workforce of over two million people. Companies with headquarters or major offices in the area include Alcon, AT&T, IBM, Lockheed-Martin, Sabre, and Toyota. The Dallas-Fort Worth region provides a high quality of life with an affordable cost of living. The city of Arlington has 82 public parks, including River Legacy Parks, a 1,300-acre oasis on the Trinity River in the heart of north Arlington. Arlington is the home of the Dallas Cowboys Stadium, the Texas Rangers Ballpark, and Six Flags Over Texas. The Dallas-Fort Worth International Airport is the fourth largest in the US. More information on the city of Arlington can be found at www.experiencearlington.org.

Review of applications will begin immediately and continue until the position is filled. For full consideration, applications should be submitted by January 1st, 2018. Applicants must apply online at https://uta.peopleadmin.com/postings/4433 . A complete application includes: 1) curriculum vitae, 2) summary of current and proposed research (max. three pages), 3) statement of teaching interests, and 4) names and email addresses of four references.