Upcoming Events

Thoughts from the Director...

David Goldberg
Executive Director of the Math Alliance

This month has been marked by several important events for our Math Alliance. The Gulf Sates Math Alliance (GSMA) held their fourth annual conference February 14-16, at Southern University in Baton Rouge, LA. There were at least 215 participants, and we hope the GSMA will provide a report on these activities for a future newsletter. Thanks to the organizing committee and particularly Jianzhong Su, Tuncay Akotsun and Albertha Lawson for all the hard work, and also all of Albertha's family and friends who helped out throughout the conference.

Also, just a quick reminder to nominate your students for F-GAP!! The e-mail request for nominations has been out a while and students are being matched now. We'll be bringing as many as we can (and their mentors) to our Summer Workshop at the Institute for Mathematics and its Applications.

February is Black History Month, and we want to call attention to the Mathematically Gifted and Black website, honoring a different mathematician every day of the month. Many of the honorees are Alliance Mentors - Asamoah Nkwanta, Aissa Wade, Omayra Ortega, Loni Tabb, Donald Martin, Maria Tackett, Bobby Wilson, Emma Benn, Miranda Teboh-Ewungkem, and Syvillia Averett – and two honorees are Alliance Scholars who have earned doctorates, namely, Zerotti Woods and Syvillia Averett. I hope everyone gets a chance to read all the biographies featured on the website. Also, both the AMS Notices and Amstatnews have issues devoting significant portions to Black History Month. A special thanks to Alliance Mentor Robin Wilson for doing a great job as the editor of the Notices section on Black History Month.

Also, we have to note the passing of Katherine Johnson, one of the central characters in Margot Lee Shetterly's book Hidden Figures, at age 101. The book and the subsequent movie helped many of us better understand the contributions of African American women to the triumphs of the space program, and it is great that Katherine Johnson received some significant recognition in her lifetime. We also have to remember how many minority scientists were not given the proper attribution, and must continue to take time to educate ourselves in this regard.

The day I am drafted this note, February 25, 2020, marks the 50th anniversary of a Black Student Union protest at University of Mississippi, which resulted in over 80 students being jailed, eight of whom were expelled from the university. Among those expelled was one of our founding Alliance Mentors, and Executive Council Member Donald Cole. There are two recent articles, one in the Chronicle of Higher Education and one in the New Yorker describing this history and the events commemorating the anniversary. Both articles feature Dr. Cole prominently, and it reminds us how lucky we have been to have a true hero like Donald Cole in the leadership of our Math Alliance.

Finally, February marked the final month of the terms of our current Executive Council, and four members - Donald Cole, Philip Kutzko, Helena Noronha, and William Vélez, - are stepping down. I want to personally thank them for all their time, efforts, and contributions, which are too numerous to even start to name in this column. We are including brief biographies elsewhere in this newsletter, but even these will not do justice to describing the debt we owe these remarkable individuals. I am very happy that all have agreed to continue to advise us and the new Council for the next few years as we change our leadership structure. Leslie McClure will remain on the Council and assumed the Chair of the Executive Council as of March 1, and we have five great new Council members as well - Terrence Blackman, Pamela Harris, Jacqueline Hughes Oliver, Kyndra Middleton, and Roberto Soto. This group has already started to bring new ideas and energy to our leadership and we look forward to having them take more and more responsibility for the operation of the Math Alliance. This gives me great hope for the future! We are also including brief biographies of all the Council Members elsewhere in this issue. We should note both Kyndra and Roberto were Alliance Scholars and I think we should take great pride in seeing this succession in leadership coming from amongst our Alliance doctorates. As always, I cannot express how lucky I feel to be a small part of what the Math Alliance is achieving, and I appreciate all that our Alliance Mentors do to make our community a great success!

Math Alliance Affiliated REU List

The annotated list of summer research programs that has been complied by William Y. Velez has been updated for summer 2020.

If you are looking for an REU for this summer, please check out our REU webpage: https://mathalliance.org/math-alliance-partners/affiliates/

Now Accepting 2020-21 F-GAP Nominations!

The Facilitated Graduate Applications Process (F-GAP) is an Alliance program that provides undergraduate Juniors and Master's students with the advice and assistance needed to begin the application process as they apply to graduate programs.

F-GAP will help students choose departments that are most appropriate to their goals and aspirations. The Alliance Community will work with the student as they prepare their applications to graduate programs and will assist in tracking the progress of their applications through the admissions process. The Alliance Community will assist in maximizing the chances that Alliance Scholars will be admitted, with support, to a department or program where they will thrive. We will pair each eligible student with one of our Doctoral Alliance Mentors who will work with the students local mentor to create a mentoring team that will aid in the application process.

If you have a student who will be will be applying to graduate programs for Fall 2021 please submit student nominations here: https://mathalliance.org/2020-fgap-nomination-form/. As part of this submission, you will be asked to check a box stating that you have read the document, "Selecting students for the F-GAP program: FAQs.")

Retiring Executive Council Members

Dr. Donald Cole, University of Mississippi

Donald Cole has been a champion for access and equity at the University of Mississippi and nationally for over 50 years. Hailing from Jackson, MS, he entered the University of Mississippi in 1968 as a freshman engineering major. Engaging quickly in the work that he would carry on for his whole student and faculty career, he was a member of the Black Student Union who presented the university with a list of 27 demands to eliminate racist policies and institutions on campus. In 1970, Cole was expelled for his role in a Black Student Union protest of an Up With People concert, and spent two nights in jail. Donald continued his studies at Tougaloo College, competing a bachelor's degree there. He went on to complete MS degrees at SUNY Buffalo and U. Michigan, and returned to the University of Mississippi to earn his Ph.D. in 1985 under the direction of William Victor Smith. Donald spent some time in the aerospace industry, before joining the faculty at Florida A&M University. He returned, once again, to Ole Miss as Assistant Dean of the Graduate School and Associate Professor of Mathematics in 1993. He retired in January as an Assistant Provost and Professor of Mathematics. To give you a sense of his energy, dedication and impact, when he retired the Provost's office had to replace him with a new division of four individuals. An article in University of Mississippi News says "…he likely has done more than anyone at the university to help underrepresented students achieve academically through leading such initiatives as the Louis Stokes Mississippi Alliance for Minority Participation's IMAGE, or Increasing Minority Access to Graduate Education, and summer Bridge STEM programs and the McNair program, which recruits 29 low-income, first-generation and underrepresented students each year and prepares them for doctoral studies."

Donald has served on the Math Alliance Board, and now the Executive Council since 2007, and has been a source of support and inspiration for much of the work we do.

Dr. Philip Kutzko, University of Iowa

Phil Kutzko was born and raised in New York City and is a product of the New York City public schools. He attended the City College of New York and received his M.S. and Ph.D. degrees at the University of Wisconsin. He joined the University of Iowa mathematics faculty in 1974. Kutzko's research is in the area of pure mathematics known as *the representation theory of p-adic groups*, an area with applications to the theory of numbers. He is the author, with Colin Bushnell, of a monograph in *the Annals of Mathematics Studies* (Princeton) and has lectured widely on his work, and is considered a pioneering researcher in the Langlands program, considered one of the most important developments of the late 20th century. He is a Fellow of the AAAS, a Fellow of the American Mathematical Society and was a University of Iowa Collegiate Fellow at the University of Iowa until his retirement in December, 2017. Phil was one of a small group of faculty members in Iowa's Department of Mathematics who sought to make a difference in their program's success in recruiting and graduating minority students. This is the very beginning of the Math Alliance, and University of Iowa Mathematics has produced 40 underrepresented minority doctorates since 2000. Through this success, the practices at U. Iowa were broadened to a project involving Iowa State Univ. and the Univ. of Northern Iowa and four HBCUs. He was the Director of the Iowa Regents Universities NSF-AGEP project and the Senior Advisor to the Alfred E. Sloan Foundation/University of Iowa Center for Excellent Mentoring. It was largely his vision, hard work and dedication which led to the creation of the Math Alliance, and he has continued tirelessly for the last two decades to create the community we now all belong to and value so much. It was his commitment to community building, and his willingness to seek advice and counsel from the broad range of constituencies that has led to the structure which makes us unique in STEM. He has served as Director of the Math Alliance since its inception. Much of what we have achieved in the Math Alliance we owe to Phil's persistence. Kutzko was honored for his work in this area with the 2008 Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring. This award was presented to him by President Obama in a White House ceremony in January, 2010.

Dr. Helena Noronha, California State University Northridge

Helena Noronha is originally from Brazil. She earned her Ph.D. degree from the State University of Campinas (UNICAMP), Brazil in 1983. She came to the U.S. in 1986 and subsequently was a Visiting Researcher at UCSB, UCSD, and UCLA before joining the California State University, Northridge (CSUN) faculty in 1990. She was promoted to Full Professor in 1997. She is the author of the book "Euclidean and non-Euclidean Geometries", published in 2002. She served as Program Director for Topology and Geometric Analysis program at the NSF from 2000 through 2002 and from 2009 through 2011. During her tenure at NSF she also worked with Workforce programs such as VIGRE, MCTP, and MSPRF. At CSUN, Helena created the Preparing Undergraduates for the Ph.D. through Mentoring (PUMP) program and the CSU Alliance for PUMP. This program has been instrumental in sending several hundred students to graduate doctoral programs and was recognized with the 2016 by the American Mathematical Society Exemplary Program Award. Helena was also the founder of the Pacific Math Alliance, which developed independently of our national Math Alliance. When the two organizations became affiliated, the leadership of the Math Alliance saw the power and potential in this regional structure. So, it is Helena we have to thank for the concept of a regional Alliance, and we strongly believe a lot of our future success will be determined by our ability to create enough regional alliances to cover the country. She is the Director of Research Experiences in Community Colleges, an NSF funded project designed to bring community college students quality research experiences in the mathematical sciences, with the aim of encouraging such students to pursue graduate degrees in our disciplines. She has helped guide us in all aspects of our activities, and brings an important perspective to our discussions from her experiences at NSF, with PUMP, and with regional alliances.

Dr. William Vélez, University of Arizona
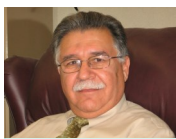
Bill Vélez was born in Tucson, and began at the University of Arizona as a chemical engineering major. After receiving a C in Calculus, he decided to enroll in precalculus. He eventually switched to a math major with a physics minor. He received three degrees (BA 1968, MS 1972, and PhD, 1975) from University of Arizona, and was on active duty in the U.S. Navy from 1968-1969. He took a position at Sandia Laboratories in Albuquerque, New Mexico, working on problems dealing with the command and control of atomic weapon systems. He is the holder of four patents. He returned to the University of Arizona in 1977, and was promoted to Full Professor in 1989. According to MathSci Net he is the author of 34 refereed papers, and he is also the author of many important articles on the profession and education. He served as an NSF Program Officer for Algebra and Number Theory from 1992-93. For the 14 years leading up to his retirement, he directed the University of Arizona Math Center, and focused on increasing the number of mathematics majors at the university. Under his leadership this number grew from 250 at the beginning to over 650 when he stepped down. Bill has written several articles about his technique, which is mostly to encourage students to take just one more math class. The University of Arizona has created the W.Y. Vélez Emerging Mathematicians Endowment, to further this work and to support the activities of undergraduate math majors. He has been a great source of ideas, innovation and enthusiasm. As just one example, we owe the idea for starting F-GAP to Bill. He is a founding member and past president of SACNAS, an inaugural Fellow of the American Mathematical Society, an inaugural Fellow of the Association for Women in Mathematics, and a Fellow of the American Association for the Advancement of Science. He is the recipient of many honors and awards, including the University of Arizona Alumni Association Centennial Achievement Award, the Mathematical Association of America Certificate of Meritorious Service, the Association for Women in Mathematics Gweneth Humphreys Award for Mentorship of Undergraduate Women in Mathematics, and the 1997 Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring, presented by President Clinton. To paraphrase a colleague's recent statement, I hope to be 10% of the human being Bill Vélez is.

Continuing Executive Council Member Leslie McClure, Drexel University, Chair of the Executive Council as of March 2020

Leslie McClure received a BS in Mathematics (with a minor in Biology) in 1995, an MS in Preventive Medicine and Environmental Health (Specialty: Biostatistics) in 1998 from University of Iowa, and a PhD in Biostatistics from the University of Michigan in 2004. She has diverse research interests, ranging from statistical methodology to environmental epidemiology. Methodologically, Dr. McClure is interested in the design and analysis of randomized clinical trials with multiple outcomes, and methodology for re-estimating sample size in on-going randomized trials. She is the principle investigator for the Coordinating Center for the CDC-sponsored Diabetes LEAD (Location, Environmental Attributes, and Disparities) Network, with a primary goal of furthering our understanding of the role of community-level factors and geographic differences in diabetes incidence and prevalence across the US and across demographic groups. Dr. McClure also leads the Data Coordinating Center for the AJ Drexel Autism Institute's Connecting the Dots Study. She is a Senior Statistician on the Reasons for Geographic And Racial Differences (REGARDS) study, for which she served as PI of a NASA-funded ancillary study investigating the role of satellite derived measures of fine particulate matter in the development of cognitive decline and stroke.

In addition, Dr. McClure loves to teach and to work with students, and has been recognized by the University of Alabama at Birmingham for her outstanding teaching and mentoring skills. She is a Fellow of the American Heart Association (Epidemiology Council) and a Fellow of the American Statistical Association.

New Executive Council Members

We are very pleased to welcome five new members to the Math Alliance Executive Council. The Executive Council oversees all Math Alliance activities and sets all policies. We give brief biographies of our new Council members below.

Terrence Blackman

Terrence Blackman is an Associate Professor of Mathematics at Medgar Evers College, City University of New York (CUNY). He has a BSc from Brooklyn College, and his MPhil and PhD (2011) from CUNY. His research interests are in Number Theory and the Langlands Program. He was the Dr. Martin Luther King Jr. Visiting Assistant Professor in the Department of Mathematics, MIT for the 2012–2013 academic year. He served as Dean of the School of Science, Health, and Technology at Medgar Evers from 2017-19.

Pamela Harris

Pamela Harris is an Assistant Professor of Mathematics at Williams College. She earned a B.S. from Marquette, her MS and Phd (2012) from University of Wisconsin, Milwaukee. Her research interest is representation theory of Lie algebras. She was a Postdoctoral Fellow at the U.S. Military Academy, and has received several awards, including the MAA Henry L. Alder Award for Distinguished Teaching by a Beginning College or University Mathematics Faculty Member (2019), and the Council on Undergraduate Research Math/CS Division Early Career Faculty Mentor Award (2019). She was a Plenary Speaker at the 2019 SACNAS National Diversity in STEM conference.

Jaqueline Hughes-Oliver

Jacqueline Hughes-Oliver is a Professor of Statistics at North Carolina State University. She received her B.A. from University of Cincinnati, and her PhD (1991) from North Carolina State. Her research interests are Prediction and Classification, Data Mining, Variable Selection and Dimension Reduction, Design of Experiments, Group Testing, Spatial Modeling, Cheminformatics and Drug Discovery, Ontology-Guided Analysis, Point Source Modeling, Transportation Modeling. She spent a year as a Visiting Assistant Professor at University of Wisconsin, before being appointed to the faculty of North Carolina State in 1992. She was named to the North Carolina State University Academy of Outstanding Teachers in 1996, is the recipient of the University Diversity Award to a Faculty Member (2010), the Outstanding Service Award for Extension, Engagement, and Economic Development (2010), and the Blackwell-Tapia Prize (2014). She is one of the 17 original Math Alliance Mentors (2007), and is a Fellow of the American Statistical Association.

Kyndra Middleton

Kyndra Middleton is an Associate Professor of Human Development & Psychoeducational Studies at Howard University. She received her B.S. from Florida A&M University, and her PhD (2007) from the University of Iowa in Educational Testing and Measurement. She was one of the very first Math Alliance Scholars! Her primary research interests are in the areas of mathematics achievement, comparative studies of issues faced in rural and urban education, increasing the number of underrepresented minorities in STEM fields, and test score validity. She was a Sylvia Taylor Johnson Postdoctoral Fellow at Educational Testing Services, and has been on the faculty at Howard since 2009.

Roberto Soto

Roberto Soto is an Assistant Professor of Mathematics and Mathematics Education at California State University, Fullerton. He received his B.S. and MS in Education from UCLA, and taught high school for eight years. He earned an M.A. in Math from California State University, San Bernardino, and his PhD (2015) from the University of Iowa. His research interests are in finite dimensional algebras, and was an Alliance Scholar.

Donald Cole Featured in Chronicle of Higher Ed Article

The February edition of the [Chronicle of Higher Education](#) published an article that featured the Math Alliances' own Professor Donald Cole.

See the full article here: https://www.chronicle.com/article/50-Years-Ago-the-College/248100?cid=wsinglestory_hp_1a.

Lathisms 2020: Call for Nominations

Please consider nominating a Latinx mathematician to be featured in this year's Lathisms calendar! Fill out the nomination form [here](#).

Lathisms (Latinxs and Hispanics in the Mathematical Sciences, [www.lathisms.org](#)) aims to provide an accessible platform that features outstanding research, teaching, mentoring, and service contributions of Latinxs and Hispanics to the Mathematical Sciences.

Honorees must satisfy the following criteria:
1. Identify as Latinxs and/or Hispanic
2. Demonstrate evidence of a strong commitment to the advancement of Latinx and/or Hispanics in the Mathematical Sciences
3. Have demonstrated outstanding contributions to the Mathematical Sciences in at least one of the following areas: research, teaching, mentoring, and/or service

The [nomination form](#) requests information related to the above three criteria.
NOTE: Biographies and contributions of past Lathisms honorees can be found at [www.lathisms.org](#).
Nominations are due by **March 15th, 2020**.

2020 PKAL STEM Leadership Institute

Institute I: July 8–13, 2020   Institute II: July 15–20, 2020   The Claggett Center, Adamstown, Maryland
Deadline: March 16, 2020

About the Institute
Enlightened institutions of higher education recognize the value of cultivating leadership capacity among STEM faculty and administrators. The PKAL STEM Leadership Institute empowers individuals to fully understand and implement the theory and practice of navigating the politics of change, addressing inter- and intrapersonal conflicts, and restructuring the institutional systems that limit our capacity for global competitiveness in science, technology, engineering, and mathematics.

This Institute—uniquely designed for early- and midcareer STEM faculty, principal investigators, and administrators—awakens and sensitizes its participants to the systems, structures, and influences of power and privilege within higher education, equipping them with the tools and skills needed to bring about social change in STEM. Nearly 60% of the Institute's curriculum is grounded in the major tenets of experiential learning, including the state-of-the-art diversity simulation, My Tenure Trek™ (MTT), which guides participants through real-world experiences that are representative of cultures, norms, and traditions that are distinctly different from their own.

Who Should Apply?
- Early- to midcareer STEM faculty with an interest in leading undergraduate STEM reform on their campuses, and nationally
- Principal investigators who lead undergraduate STEM reform initiatives
- Administrators (with STEM disciplinary expertise) of academic STEM units

Individuals from community colleges, minority-serving institutions, and/or historically underrepresented groups are strongly encouraged to apply.

For more information about the PKAL STEM Leadership Institute, visit https://www.aacu.org/summerinstitutes/sli/2020 or contact pkalstemleadership@aacu.org.

Things to note in the AMS Notices

A word from Robin Wilson

James L. Solomon and the End of Segregation at the University of South Carolina

Reflections of a Mathematics Teacher Educator: Considerations for Mathematicians Who Teach Teachers, by Christina Eunbanks-Turner (Alliance Mentor)

Mathematics: The Key to Empowering Tomorrow's Workforce

Fostering Diversity in Top-Rated Pure Mathematics Graduate Programs

Institute for the Quantitative Study of Inclusion, Diversity, and Equity (QSIDE)

Report on 2017–2018 Academic Recruitment, Hiring, and Attrition

How do AMS Graduate Student Chapters support the mathematical community and beyond?

Analysis in Metric Spaces, Mario Bonk, Luca Capogna (Alliance Menotr), Piotr Hajłasz, Nageswari Shanmugalingam, and Jeremy Tyson

In Mathematics People: Alliance Mentor Sara Maloni, win 2019 NSF CAREER Awards

Items of interest in AMSTATNEWS

The February edition of AMSTAT News celebrates Black History Month and recognizes 16 important figures in statistics.

African-American Statisticians Serve as Models for Helping Others features an article on David Blackwell, written by Jaqueline Hughes-Oliver, an Alliance Mentor and member of the Math Alliance Executive Council. This issue also features articles about Alliance Mentors Jaqueline Hughes-Oliver and Kimberly Weems.

RAMMP 2020 Summer Research Program

The Recruitment and Mentoring in Mathematics Program (RAMMP) will engage 10 area scholars in summer research activities in mathematics, hopefully culminating in publishable research. Undergraduate scholars will work in groups on research problems guided by faculty members. A stipend of $4,000 (taxable) will be paid to participants in the program.

In addition to the research activities, there will be a weekly colloquium and learning seminars offered.

Location and dates- The RAMMP summer program for 2020 will be held June 1-July 23. We will meet daily Monday through Thursday each week at the City College of New York.

Mentors- This year's mentors will be:
- **Zajj Daugherty** (City College of New York)
- **Jay Jorgenson** (City College of New York)
- **Cesar Valverde** (Medgar Evers College)

Eligibility- The program is open to all undergraduate students in the NYC area who have completed mathematics courses requiring the writing of rigorous proofs. An introduction to proof course (e.g., Bridge to Advanced Mathematics, Discrete Mathematics) is sufficient. Participants may not take classes or hold other jobs for the duration of the program and are expected to attend all scheduled activities.

Application Requirements- The application requires:
- **Application Form:** Please complete this application form.
- **A personal statement:** Please write a 1-2 page personal statement addressing:
  ◊ Your background in mathematics including what mathematics you have enjoyed most, and what has led you to apply to this
     program.
  ◊ Your experiences and views on diversity (pertaining to mathematics or to other areas of shared experience).
  ◊ Your thoughts on your future plans after graduating from college. (It is okay not to know precisely what you plan to do, but you should have some ideas of what you think you might want to do.)
- **Transcript:** Email a copy of your transcript along with your personal statement (described above) to nycmathalliance@gmail.com. An unofficial transcript is fine.
- **Recommendation letter:** Please have at least one mathematics instructor send a letter nycmathalliance@gmail.com recommending you for the program.

For full consideration submit your complete application by March 20th. Later applications will be considered if space is available.

Research Topics: Research topics will be selected from the areas of interest of the mentors. This year's mentors are interested in projects in the subjects of:
- Combinatorial Representation Theory
- Number Theory

More details on the proposed projects are available here.

Experience: Scholars will work in groups of 2-3 students on research problems in the above areas. The groups will meet daily with their mentor to discuss the project. In addition there will be:
- A weekly colloquium featuring interesting mathematics at the level of the scholars in the program.
- A workshop teaching LaTeX (a language for mathematical typesetting).
- A workshop on mathematical programming.

Contact
Please contact us by email at nycmathalliance@gmail.com if you have questions about this program or if you have any issues with applying.

The Department of Mathematics and Statistics

THE DEPARTMENT OF MATHEMATICS AND STATISTICS INVITES APPLICATION FOR:

STATISTICS REU

MAY 23 – JULY 31, 2020

Program Focus:

Complex Data Analysis using Statistical and Machine Learning Tools

Project Topics:

High Dimensional Data Analysis; Statistical Genetics; Subdata Selection; Data Confidentiality through Randomized Response Models; Machine Learning; Nonparametric Methods

Mentors:

- Dr. Sat Gupta
  http://www.uncg.edu/~sngupta/
- Dr. Xiaoli Gao
  http://www.uncg.edu/~x_gao2/
- Dr. John Stufken
  mathstats.uncg.edu/people/directory/stufken/
- Dr. Somya Mohanty
  http://www.somyamohanty.com/
- Dr. Scott Richter
  http://www.uncg.edu/~siricht2/
- Dr. Jianping Sun
  mathstats.uncg.edu/people/directory/sun

Support:

- Stipend- $6000; Travel to and from Greensboro and to conferences- $1000; Subsistence and housing- $1700

Housing: apartments on campus • 2-4 students • divided by gender • private rooms

Eligibility:

- Must be a US Citizen or Permanent Resident (Green card)
- Must have completed at least 30 College credits by the end of Spring 2020 with a minimum GPA of 3.0, preferably both math/stats and overall GPA.
- Ideally should have had some experience with probability, statistics, calculus and programming such as R or Python. We will also offer our own programming workshops.

UNC GREENSBORO
Department of Mathematics & Statistics

Application Deadline: Review of applications will begin February 28, 2020, and will continue until all slots are filled.
http://mathstats.uncg.edu/StatisticsREU2020/
Email Contact: sngupta@uncg.edu

NSF
DMS-1950549

IOWA STATE UNIVERSITY
Department of Mathematics

POSTBACCALAUREATE CERTIFICATE IN MATHEMATICS

1 year program that offers students who have received a Bachelor's degree preparation for a PhD program in Mathematics

Studies in both pure and applied mathematics

Program consists of 4 graduate courses, serving as teaching assistants in undergraduate courses, mentoring, attending conferences, and aid in applying to graduate programs

Funding for Tuition and approximately a $2,000 monthly stipend

contact //
Michael Young (515) 294-8169 myoung@iastate.edu
Bernard Lidicky (515) 294-8136 lidicky@iastate.edu

www.mathpostbac.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 for new or recent PhDs in the mathematical sciences. The program is designed to connect new faculty with expert 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 become award-winning teachers, innovators on their campuses, active members of the MAA, and leaders in the profession.

MAA Project NExT welcomes applications from new and recent PhDs in postdoctoral, tenure-track, and visiting positions. We particularly encourage applicants from underrepresented groups, including women and minorities. Applications for the 2020 cohort of MAA Project NExT Fellows are due on April 15, 2020 and can be found at projectnext.maa.org.

Project NExTers (Silver '19) at MAA MathFest in Cincinnati.

Application deadline: April 15, 2020
projectnext.maa.org • projectnext@maa.org

Join us for the 2020 Fostering Diversity in Biostatistics Workshop

The Eastern North American Region (ENAR) of the International Biometric Society will be hosting the 2020 Fostering Diversity in Biostatistics Workshop. The workshop will focus on connecting underrepresented minority students interested in biostatistics with professional (bio)statisticians in academia, government and industry.

Sunday, March 22, 2020
10:30am-6:30pm
JW Marriott Nashville
201 8th Ave S,
Nashville, TN 37203

Keynote Speaker:
Dr. Adrian Coles
Senior Research Scientist
Eli Lilly and Company

The workshop will feature:

- Hands-on computing activities for high school and undergraduate students.

- Roundtable discussions for students focusing on preparing for a graduate degree in biostatistics and transitioning to the career market.

- Roundtable discussions for professionals focusing on supporting, recruiting, and retaining students.

- Panel discussions between students and professionals focusing on career opportunities and mentoring.

- An interactive networking fair among undergraduates and graduate students and representatives from schools offering MS and PhD degrees in Biostatistics.

Registration will open September 2019: https://www.enar.org/meetings/FosteringDiversity/
Lunch will be provided for all registered participants. Travel compensation is available. Registration is required for consideration.

2019 Workshop Attendees

To learn more, please contact the workshop co-chairs:

Felicia Simpson, PhD
Assistant Professor
Department of Mathematics
Winston-Salem State University
Phone: (336) 750-2489
Email: griffinfr@wssu.edu

Loni Phillip Tabb, PhD
Associate Professor
Department of Epidemiology and Biostatistics
Drexel University
Phone: (267) 359-6217
Email: lpp22@drexel.edu

ENAR

SCHOOL OF PUBLIC HEALTH
BIG DATA SUMMER INSTITUTE
UNIVERSITY OF MICHIGAN

Transforming Analytical Learning in the Era of Big Data
An Undergraduate Summer Institute in Biostatistics SIBS at The University of Michigan

June 15-July 24, 2020

This full-time 6-week summer institute will introduce undergraduate students to emerging challenges at the intersection of Big Data, Statistics, and Human Health.

Application opens December 1, 2019

Lectures will be led by a diverse group of stellar biostatistics, statistics, electrical engineering, and computer science faculty at the University of Michigan. Faculty from biomedicine and public health will present their perspective of big data. Working in teams, students will participate in mentored big data research projects.

For more information, please contact Tara Smith or visit the BDSI website.

34th Automorphic Forms Workshop

May 11-15, 2020
Moab Arts and Recreation Center
Moab, Utah

REGISTRATION NOW OPEN AT:
http://automorphic formsworkshop.org/

DEADLINES:

March 15th For Speakers

May 1st All other Participants

To Contact the Organizers, Email:

organizers@ automorphicforms workshop.org

JOURNAL OF NUMBER THEORY

NATIONAL SECURITY AGENCY · UNITED STATES OF AMERICA

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BYU MATH

List of Faculty Position Announcements

University/Institution	Type of Position(s)	Link for Applications
California Baptist University	Tenure-track Assistant Professor in Statistics	Calbaptist.edu
Central Washington University	Tenure-track Assistant Professor of Mathematics	CWU.edu
Lamar University	Two Tenure-track Asst./Assoc. Professors of Mathematics	Lamar.edu
Loyola Marymount University	Tenure-track Assistant Professor of Mathematics	Loyola Marymount Univ.
Marion University in Indianapolis	Tenure-track Assistant Professor of Mathematics	hr@marian.edu
Rider University	Tenure-track Assistant Professor of Mathematics	Rider Univ.
Texas Christian University	Instructor of Mathematics	MathJobs.org
University of Missouri-Kansas City	Tenure-Track Assistant Professor of Statistics	UMKC.edu
University of Rhode Island	Multicultural Postdoc Faculty Fellow in Statistics/Statistical Data Science	URI.edu
University of St. Thomas	Tenure-track Assistant Professor in Mathematics	St. Thomas
Xavier University of Louisiana	Two Tenure-track Positions in Mathematics	MathJobs.org