

# Newsletter

Volume XLIX

Number 3

Fall 2018

## Contents

From the Editor .....	2
Publishing in the Newsletter .....	3
Goins and Cheng Featured on Science Friday Live .....	4
2018 David Harold Blackwell Lecture Mission: Understanding .....	4
CSUSB Names New Dean for the College of Natural Sciences .....	6
Gangbo and Hynd Run Graduate Summer School at IPAM .....	8
The Clarence Stephens / Abdulalim Shabazz Teaching Award .....	8
West Point Promotes STEM Learning in South Africa .....	10
EDGE Program Awarded Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring ....	11
NAM Calendar .....	24
NAM Board of Directors .....	36
NAM Membership Form .....	37

## ***Dr. Raegan Higgins Gives the 2018 David Harold Blackwell Lecture***



# The National Association of Mathematicians (NAM)

publishes the NAM Newsletter four times per year.

## Editor

Dr. Omayra Ortega (Sonoma State University)  
[editor@nam-math.org](mailto:editor@nam-math.org)  
[www.omayraortega.com/](http://www.omayraortega.com/)

## Editorial Board

Dr. Mohammad K. Azarian (University of Evansville)  
[azarian@evansville.edu](mailto:azarian@evansville.edu)  
<http://faculty.evansville.edu/ma3/>

Dr. Abba Gumel (Arizona State University)  
[agumel@asu.edu](mailto:agumel@asu.edu)  
<https://math.la.asu.edu/~gumel>

**NAM's History and Goals:** The National Association of Mathematicians, Inc. (known as NAM) was founded in 1969. NAM, a nonprofit professional organization, has always had as its main objectives, the promotion of excellence in the mathematical sciences and the promotion and mathematical development of under-represented minority mathematicians and mathematics students. It also aims to address the issue of the serious shortage of minorities in the

workforce of mathematical scientists.

**NAM's National Office:** Dr. Leon Woodson, Executive Secretary, Department of Mathematics, Morgan State University, 1700 E Cold Spring Lane, Baltimore, MD 21251; e-mail: [executive-secretary@nam-math.org](mailto:executive-secretary@nam-math.org).

**Subscription and membership** questions should be directed to Dr. Roselyn E. Williams, Secretary-Treasurer, National Association of Mathematicians, P.O. Box 5766, Tallahassee, Florida 32314-5766; (850) 412-5236; e-mail: [secretary-treasurer@nam-math.org](mailto:secretary-treasurer@nam-math.org).

**NAM's Official Webpage:** <http://www.nam-math.org>

**Newsletter Website:** The NAM website has a list of employment as well as summer opportunities on the Advertisements page. It also features past editions of the Newsletter on the Archives page.

**Letters to the editor and articles** should be addressed to Dr. Omayra Ortega via e-mail to [editor@nam-math.org](mailto:editor@nam-math.org).

## From the Editor



**"If you change the way you look at things, the things you look at change."**

- Wayne Dyer.

As the weather turns cold and the leaves change color, we academics begin a new year. At a time when our political landscape seems to shift from bad to ludicrous, we must try to energize our classrooms with culturally inclusive pedagogy, social-minded research, and community building ideas as a means to affect positive change in our students, workplaces, and communities.

In this fall issue of the NAM newsletter, fill your heart with stories of the devoted work of the NAM community. Such as the work of the EDGE pro-

gram for women, which was recently awarded the prestigious PAESMEM (Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring), the work of Drs. Gangbo and Hynd organizing and running a summer school at IPAM, Dr. Samuel Ivy's commitment to his students in South Africa, the work of NAM Golden Anniversary Campaign Committee member, Sastry Pantula, who was named Dean of the School of Natural Sciences at Cal State San Bernardino this past July, and the nationally syndicated appearance our own NAM President, Edray Goins, on Science Friday Live.

I hope to see many of you at the upcoming NAM Undergraduate MATHFest being held September 28-30, 2018 at Spelman College in Atlanta, GA.

*Sincerely, Dr. Omayra Ortega*



## Publishing in the NAM Newsletter

**Submissions:** The *NAM Newsletter* is a quarterly newsletter. Articles and letters should be submitted electronically to the editor at [editor@nam-math.org](mailto:editor@nam-math.org), or by postal mail to Dr. Omayra Ortega, NAM Newsletter, Sonoma State University, Department of Mathematics and Statistics, 1801 E. Cotati Ave., Rohnert Park CA 94928. You can find more information at the web page

<https://www.nam-math.org/submitting-advertisements-and-articles.html>

---

### Advertising:

*NAM Online Advertisement Policy:* As a part of its Newsletter Advertising, a copy of the advertisement will be placed on the web during the period it appears in the quarterly Newsletter - at the Job Openings website.

*NAM Newsletter Print Advertisement Policy for Non-institutional Members:* Receipt of your announcement will be acknowledged. You will be billed after the advertisement appears. A copy of the advertisement will be placed on the *NAM Newsletter* website during the period it appears in the *NAM Newsletter*. To estimate the page size, use 12 point font on a standard size page.

1. One issue advertising

A. One-fourth page	\$200
B. One-third page	\$300
C. One-half page	\$400

D. Two-thirds page	\$500
E. Three-fourths page	\$600
F. One whole page	\$800

\*advertisements over one page are pro-rated

2. Consecutive, multiple issue advertising

Each consecutive issue thereafter 75% of the first issue charge.

*NAM Newsletter Print Advertisement Policy for Institutional Members:* Receipt of your announcement will be acknowledged. You will be billed after the advertisement appears. Institutional Members of NAM are entitled to one 1/4 page advertisement at 1/2 the regular price during the fiscal year of their membership. Additional advertisements follow the above stated cost structure. A copy of the advertisement will be placed on the *NAM Newsletter* website during the period it appears in the *NAM Newsletter*. To estimate the page size, use 12 pt font in your favorite word processing program on a standard size page.

---

**Deadlines:** The deadlines for submissions and advertisements can be found in the following table.

Edition	Deadline
Spring	February 13
Summer	May 13

Edition	Deadline
Fall	August 13
Winter	November 13

Advertisements should be submitted electronically to the editor at [editor@nam-math.org](mailto:editor@nam-math.org), or by postal mail to Dr. Omayra Ortega, NAM Newsletter, Sonoma State University, Department of Mathematics and Statistics, 1801 E. Cotati Ave., Rohnert Park CA 94928.

---

*We reserve the right to reject any advertising that is not consistent with the stated goals of NAM, or that is in any way deemed inappropriate.*



## Goins and Cheng Featured on Science Friday Live

*by Edray Herber Goins*

Science Friday is a weekly program on National Public Radio (NPR) which features scientists being interviewed by host Ira Flatow. Four times a year, Science Friday hosts a 2-hour live show in a different city throughout the country. On Saturday June 16, 2018, Science Friday Live was hosted in Chicago at the Harris Theater. This show featured a 25-minute segment where Ira Flatow interviewed two mathematicians, Edray Goins (Pomona College) and Eugenia Cheng (the Art Institute of Chicago).

Goins and Cheng spent time discussing how mathematics can be used as a tool for social justice. The professors noted that mathematical thinking can help us also understand what's going on in society. For example, abstract mathematics can be used to examine the power structures between men and women, or white and black people, and to more clearly define the relationships and power differ-

tials at play.

The complete interview, as well as a transcript, can be found online at <https://www.sciencefriday.com>.



Edray Goins and Eugenia Cheng interviewed by Ira Flatow.  
Photo by Kevin Penczak

**Edray Herber Goins** is the President of NAM. He can be reached at [president@nam-math.org](mailto:president@nam-math.org).

□

## 2018 David Harold Blackwell Lecture Mission: Understanding

*by Raegan Higgins, PhD*

When asked to give the NAM David Harold Blackwell Lecture at the 2018 MAA MathFest, I was immediately humbled. To give a named lecture is big deal, and to give one in honor of such a great person is an even bigger deal. Dr. David Blackwell, a mathematician and statistician, made phenomenal contributions to probability theory, statistics, and game theory. He was the first black scholar to be admitted to the National Academy of Sciences. He passed away on July 8, 2010 at the age of 91. Even though he encountered difficulties that African Americans experience in society and in the mathematical community, he prevailed to become one of the greatest African-American mathematicians.



Dr. Higgins





Each year NAM invites a mathematical researcher who exemplifies the spirit of Blackwell in both personal achievement and service to the mathematical community. Blackwell first enrolled at the University of Illinois to earn a degree to become an elementary teacher. In an interview, Blackwell stated “I’m not interested in doing research and I never have been ... I’m interested in understanding, which is quite a different thing.” So, as this year Blackwell lecturer, my goal was to have everyone in the audience understand. If I am to inspire undergraduate math majors to become and to stay mathematicians, it is my responsibility to reach them where they are AND then challenge them. To do that, I presented an hour-long lecture, suitable for an audience of undergraduate students with a strong interest in conducting research in the mathematical sciences as well as understanding of mathematics.



Dr. Higgins & NAM President Goins after the Blackwell Lecture at MAA MathFest

The title of my lecture was Continuous, Discrete, or Somewhere in Between: An Introduction to Time Scales with Applications. A time scale is a nonempty closed subset of the real numbers. Examples include the integers, the natural numbers, the Cantor set, and  $[0, 1] \cup [2, 3]$ , while the rational numbers, the complex numbers, and the open interval between 0 and 1 are not time scales. The theory of time scales was introduced by Stefan Hilger in his PhD thesis in 1988 to unify and continuous and discrete analysis. While many results about differential equations have natural discrete counterparts, others do not carry over as easily and are completely different in nature. The study of dynamic equations on time scales reveals such discrepancies and helps

avoid providing results twice, once for differential equations and once for difference equations. With this, we say unification and extension are the two main features of the time scales calculus.



Dr. Higgins giving the 2018 Blackwell Lecture at MAA MathFest

During the talk, I began with fundamental definitions and showed how they represent the two main features of time scales through examples. As I do in my teaching, definitions are followed by examples (and non-examples). This allowed for a solid foundation before presenting main results.

In addition to presenting fundamental results, e.g. the product rule and the quotient rule, I showed some applications of time scales. Since sets of disjoint closed intervals are time scales, they are suitable for studying population dynamics. For example, the 17-year cicada *magicicada septendecim* which lives as a larva for 17 years and as an adult for perhaps a week fits the time scale  $\mathbb{P}_{a,b} = \bigcup_{k=0}^{\infty} [k(a+b), k(a+b)+a]$   $a, b > 0$ . I also shared how I am using time scales to study epidemic models and meal timing for diabetics. As I watched the audience, in particular, the students, I saw nods, smiles, and raised eyebrows. YES!!! As I answered questions after the talk, I thought “Mission accomplished!! You began where they were and then challenged them.”

**Dr. Raegan Higgins** is an Associate Professor of Mathematics at Texas Tech University. She can be reached at [raegan.higgins@ttu.edu](mailto:raegan.higgins@ttu.edu). □

## CSUSB Names New Dean for the College of Natural Sciences

*by Staff Writer at 'Inside CSUSB'*

Sastry G. Pantula, a veteran educator with more than 25 years of leadership experience in higher education and a nationally and internationally recognized leader in statistical sciences, has been named the dean of Cal State San Bernardino's College of Natural Sciences.



Sastry G. Pantula has been named the dean of Cal State San Bernardino's College of Natural Sciences. (Photo Credit: *Inside CSUSB* Media Relations)

Pantula, who [started] on July 25, [was] a professor in the department of statistics at Oregon State University, where he served as the dean of the College of Science from August 2013 to August 2017.

Prior to that, he served three years as director of the Division of Mathematical Sciences at the National Science Foundation. Pantula spent more than 30 years as a statistics professor at North Carolina State University (NCU), where he began his academic career in 1982. At NCU, he also served as the director of Graduate Programs, the head of the Department of Statistics and the director of the Institute of Statistics.

We are honored to have someone of Dr. Pantula's background, experience and leadership abilities joining the College of Natural Sciences, said CSUSB Provost Shari McMahan. He has an exceptional record of service and a commitment to the success of students and faculty. I'm confident he will be an asset to our outstanding team.

McMahan also thanked Peter Williams, the previous associate dean of the College of Natural Sciences and former chair of the math department, who served as interim dean.

Peter has done a wonderful job in leading the college, McMahan said.

Pantula said he was excited to be joining Cal State San Bernardino.

I am looking forward to leading the college and bringing my three core principles—striving for excellence, enhancing diversity and fostering harmony—to help foster student success and enhance the achievement of faculty, who play a key role in helping students attain their goals, Pantula said. I am also looking forward to working with the university leadership, our alumni and our community to reach our strategic goals.

Among his accomplishments, Pantula has been awarded more than \$10 million in grants (\$7 million alone in graduate training awards) and also has a strong record of publications and supervising doctoral dissertations.

He has an outstanding record of service to the profession. In 2010, he was elected president of the American Statistical Association (ASA). He served six years as treasurer for the National Institute of Statistical Sciences and three years as treasurer for ASA. He is a Fellow of the American Association for the Advancement of Science (AAAS) and ASA, and a member of the Honor Societies, Phi Kappa Phi, Mu Sigma Rho and Sigma Xi. He was inducted into the NCU Academy of Outstanding Teachers.

Pantula earned a Ph.D. in statistics from Iowa State University and his masters and bachelors degrees in statistics from the Indian Statistical Institute in Calcutta, India.

For more information, contact the university's Office of Strategic Communication at (909) 537-5007 and visit the Inside CSUSB website at [inside.csusb.edu](http://inside.csusb.edu).

*Editors Note: Sastry Pantula is a lifetime member of NAM, and is currently a member of NAM's Golden Anniversary Campaign Committee. He has been a very dedicated member of NAM for more than 20 years.*

*Inside CSUSB* is the web-based newsletter of Cal State University San Bernardino. Media inquiries can be sent to Joe Guterrez [joeg@csusb.edu](mailto:joeg@csusb.edu). □



## ***NAM is currently holding elections***

NAM is currently holding elections which will run **until Friday October 19, 2018**. The current election is for the offices of Vice-President, Region A (Southeast/West) Member, Region B (Mid-Atlantic) Member, Minority Institution Representative, and Outside Academia Member. For descriptions of the NAM offices go to <https://www.nam-math.org/elections.html>.

The success of the NAM depends on a strong Board of Directors, and your involvement in this election is essential for NAMs future. The NAM Board of Directors is responsible for the organizing of NAM programming, the oversight of grants, and for making recommendations on the management, policies, and activities of the organization. Your vote in this election and participation in NAMs governance is important, so we hope we will have a large turnout among the NAM membership for this election.

NAM members should have already received an email with the slate of candidates and instructions for voting online through the NAM website. If you have not received this information, please contact Robin Wilson, the Legislation-Nomination Committee chair at [majority-institution-member@nam-math.org](mailto:majority-institution-member@nam-math.org).

To access the online ballot through the NAM website you will need your username and password that is affiliated with your NAM website account. Only current NAM members will be able to participate. To update your membership status, go to <https://www.nam-math.org/authenticate/register/>.

---

Below are the candidates for the offices up for election this Fall. All terms are for three years and begin February 1, 2019.

### **Vice President:**

Naomi Cameron, Lewis and Clark  
Asamoah Nkwanta, Morgan State University

### **Region A Member:**

Sandra Rucker, Clark Atlanta University  
Chinenye Ofodile, Albany State University

### **Region B Member:**

Shea Burns, NC A & T  
Farrah Jackson Ward, Elizabeth City State University

### **Majority Institution Representative:**

Michael Young, Iowa State

### **Outside Academia Representative:**

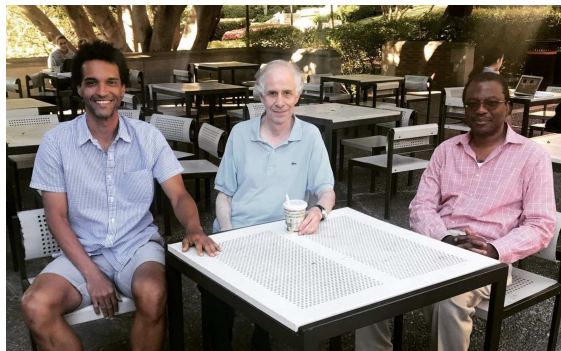
Carla Cotwright-Williams, Social Security Administration





## Gangbo and Hynd Run Graduate Summer School at IPAM

by *Edray Herber Goins*



Ryan Hynd, David Ambrose, and Wilfrid Gangbo

From June 18-29, 2018, the Institute for Pure and Applied Mathematics (IPAM) held a Graduate Summer School entitled “Mean Field Games and Applications”. The workshop was organized by David Ambrose (Drexel University), Wilfrid Gangbo (University of California at Los Angeles), and Ryan Hynd (University of Pennsylvania).

The summer school was a series of lectures that aimed to introduce graduate students and postdocs to this recently accessible and fast growing area. The main goals of the summer school were: (i) To introduce students and postdocs to Mean Field Games through lectures by leading researchers; (ii) To make available a series of broad-interest talks on mean field games; (iii) To provide a collaborative environment that is welcoming to underrepresented minorities and women.

Drs. Gangbo and Hynd are frequent collaborators. Wilfrid Gangbo, one of only two African American mathematics professors in the University of California system, gave the 2017 Claytor-Woodard Lecture in Atlanta, Georgia. Ryan Hynd runs a Master’s Degree program entitled “Bridge to PhD” whose goal is to increase the number of Ph.D.’s awarded in mathematics at the University of Pennsylvania to members of groups that are traditionally underrepresented.



Some participants of the 2018 IPAM Graduate Summer School, “Mean Field Games and Applications.”

**Edray Herber Goins** is the President of NAM. He can be reached at [president@nam-math.org](mailto:president@nam-math.org).

□

## The Clarence Stephens / Abdulalim Shabazz Teaching Award

by *Edray Herber Goins*

The Board of the Directors for the National Association of Mathematicians has created a new award: The Clarence F. Stephens / Abdulalim A. Shabazz Teaching Award. This award will honor the spirit of Clarence Stephens and Abdulalim Shabazz to recognize outstanding mentorship

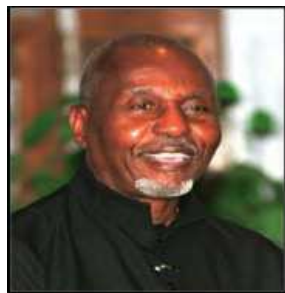
activities. The language of the award was ratified at the NAM Business Meeting on Saturday, January 13, 2018 at the Joint Mathematics Meetings in San Diego, California.

Clarence F. Stephens (1917–2018) came to Morgan State University in 1947 as chair of the Depart-





ment of Mathematics, but prior to his arrival, no student from Morgan had gone on to earn a masters degree in the mathematical sciences. Some of the undergraduates Stephens taught during this time who went on to earn a doctorate degree are Earl Barnes, Vassily Cateforis, Earl Embree, Gloria Ford Gilmer, Arthur Grainger, Charles Moore, Sylvester Reese, Robert Smith, and Scott Williams.



Clarence F. Stephens and Abdulalim A. Shabazz

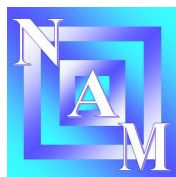
Abdulalim A. Shabazz (1927–2014), born Lonnie Cross, helped establish the reputations of several HBCUs as department chair, and mentored countless students across the country. Shabazz received a mentoring award from the American Association for the Advancement of Science (AAAS) in 1992

as well as a Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring (PAESMEM) award from President Bill Clinton in 2000.

This prize will be awarded annually to a mathematics teacher who has encouraged underrepresented under-graduate students to pursue mathematical careers and/or the study of mathematics at the graduate level, with preference given to faculty from Historically Black Colleges and Universities (HBCUs). The recipient will receive a cash prize and honorary plaque, and will be featured in an article in the NAM Newsletter. The award is open to all in the mathematical profession. Nominees must be living at the time of their nomination.

The first recipient of this prize will receive recognition at the NAM Banquet on Friday, January 18, 2019 at the Joint Mathematics Meetings in Baltimore, Maryland. More information about the nomination process will be made available soon.

**Edray Herber Goins** is the President of NAM. He can be reached at [president@nam-math.org](mailto:president@nam-math.org). □



## Friend of NAM,

The National Association of Mathematicians is working to update the Mathematicians of the African Diaspora (MAD) Pages (<http://www.mathad.com>) originally created and maintained by Scott Williams; we will roll out a version of MAD in February 2019.

We are looking for individuals from the African Diaspora who graduated with a doctorate degree in either mathematics (pure or applied) or statistics between 2007 and 2018. Please send the following information to either Caleb Ashley <[ashley.cj@gmail.com](mailto:ashley.cj@gmail.com)>, Ron Buckmire <[ronbuckmire@gmail.com](mailto:ronbuckmire@gmail.com)>, or Edray Goins <[ehgoins@mac.com](mailto:ehgoins@mac.com)>:

1. the name of the individual,
2. the degree granting institution,
3. the year of completion, and
4. a current e-mail address.

*Edray Goins, NAM President*



## West Point Promotes STEM Learning in South Africa

by Major Al Phillips

MUIZENBERG, South Africa – Representatives of the U.S. Military Academy promoted science, technology, engineering and mathematics learning to 70 gifted students here June 25 in partnership with the African Institute for Mathematical Sciences.

The contingent, including Samuel Ivy, a mathematics professor, and two West Point cadets, Patrick Cowan and Matthew Rivera, spent three days partnering with faculty at AIMS to promote STEM education, facilitating practical modules and fostering further confidence in learning for the African students.



U.S. Military Academy mathematics professor Samuel Ivy lectures students as part of U.S. Africa Command's outreach efforts with the African Institute for Mathematical Sciences in Muizenberg, South Africa, June 25, 2018. (Photo Credit: Yasmin Hankel, AIMS Media Specialist)

The outreach event was made possible through efforts between the U.S. Embassy in Pretoria, U.S. Africa Command, West Point, and the researchers, staff, and graduate students at AIMS South Africa.

Students were selected from Luhlaza High School and Joe Slovo Engineering High School in the Khayelitsha Township, and from the Thope Foundation and the Molomhlaba Organization – two non-government organizations focused on transforming the lives of young girls through education.

“We are very honored to be a part of something special,” Rivera said. “Being a cadet at West Point is an opportunity unimaginable and is something learners such as these, chosen to be here, should also be afforded.”

“Exposure and awareness of the opportunities within STEM and exposure to universities like West Point will establish future dividends for all stakeholders,” Ivy said.

### PILOT PROGRAM

The U.S. Military Academy usually runs the education workshop for underserved communities in the United States, with varying modules on STEM topics depending on the local interests. The AIMS program was the first such workshop held overseas.

“This is a pilot program for an enduring partnership between U.S. academies and the AIMS network both here in South Africa and across the continent,” said Navy Lt. Cmdr. Carl Pearson, the Africom research, development, testing and evaluation liaison. “We’re looking forward to working together on future events that expand the horizons of Africa’s youth,” he said.

The connectivity to the future begins here,” Cowan said.

Ivy and his cadets brought a “programmable circuit” lab to the training. The lab highlights the Arduino platform, an open-source miniature programmable computer with uses including education, home automation and rapid prototyping in research labs.



U.S. Military Academy mathematics professor Dr. Samuel Ivy was joined by two West Point cadets to help facilitate learning and foster confidence in STEM for the African students. (Photo Credit: Yasmin Hankel, AIMS Media Specialist)



Using this platform, the workshop introduced the South African students to technological discovery through several exploratory exercises.

The event was a smashing success, with pairs of students building and programming several different device configurations, said Thomas Pritton, a senior at Cape Town’s Heathfield High School.

“This workshop is very interesting and rewarding because a learner can design and build their own device for computer everyday use,” he said.

### CONTINUOUS DISCOVERY

AIMS, founded in 2003, advocates empowering Africa’s youth to shape its future, solve global challenges and drive economic self-sufficiency. It encourages growth and learning in partnership with six universities, including Cambridge and Oxford in England; Cape Town, Stellenbosch and Western Cape in South Africa; and Paris Sud XI in France.

“We love math and we love what math is about but we must continue to discover,” said Barry Green, AIMS South Africa director. “We want to build a stronger South Africa and continent from a medical perspective to a banking environment, and mathematics is the gateway.”

The STEM learning program with West Point could not have occurred at a more symbolic time, Pearson said. The workshop coincides with South Africa’s National Youth Month, with activities to

inspire the next generation of scientists, technologists, innovators and leaders in the nation.

These academic engagements in South Africa and elsewhere on the continent are part of larger, long term collaboration between broad U.S. research enterprise and African partners.

“We are in this for the long haul, and STEM outreach activities like these today are introducing us to the people we will be working with 10, 20 years from now,” Pearson said.

Agreements at higher government and academic levels, like the research, development, testing and evaluation framework and the New York National Guard State Partnership Program with the South African Defense Force highlight the value that both countries place on such collaborations.

“These sort of partnerships benefit the citizens of both countries, extending far beyond just military capability improvements to yielding the better life that science helps create,” Pearson said.

*This article was originally published on July 11, 2018 on the US Army Website <https://www.army.mil/article/208367>. It has been reprinted here with the permission of the author.*

**Major Al Phillips** is a journalist for the US Army. He can be reached through [editor@nam-math.org](mailto:editor@nam-math.org). □

## EDGE Program Awarded Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring

*by Omayra Ortega*

On June 25, 2018, the White House Office of Science and Technology Policy (OSTP), with the National Science Foundation (NSF), announced that the EDGE Program (Enhancing Diversity through Graduate Education) will receive the Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring (PAESMEM).



EDGE 2018 Participants



To quote from the press release:

[M]ore than 140 individuals and organizations will be honored with presidential awards for their excellence in teaching or mentoring in science, technology, engineering and mathematics (STEM). [...] PAESMEM recognizes the critical roles mentors play outside the traditional classroom in the academic and professional development of the future STEM workforce.

The citation of the award from the web site <http://paesmem.net/node/2532> reads as follows:

In mathematics - as well as other disciplines - there are components of success for graduate students and early career scientists that are not often obvious [...]. The Enhancing Diversity in Graduate Education (EDGE) program seeks to address these pressure points. [...] Participants of the EDGE program comprised 35 percent of Ph.D.s granted to African-American women in the mathematical sciences during the years 2005-2009. Remarkably, in 2009, EDGE participants accounted for over 35 percent of all Ph.D.s granted to African-American women.

The EDGE Program was founded in 1998 by Drs. Sylvia Bozeman (Spelman College) and Rhonda Hughes (Bryn Mawr College). The EDGE Program is designed to strengthen the ability of

women and minority students to successfully complete graduate programs in the mathematical sciences. Each summer a cohort of women receive training in disciplines central to the graduate school experience. Following the EDGE summer program, an ongoing mentoring program and support network is established with the participants respective graduate programs. The EDGE program fosters a supportive community that empowers their students to not only persist, but to thrive in graduate school.

Several members of the EDGE Foundation Board of Directors are intimately involved with NAM: EDGE Co-Founder Sylvia Bozeman (Spelman College) is the co-chair for NAM's Golden Anniversary Campaign; EDGE Co-Director Raegan Higgins (Texas Tech University) will give the 2018 MAA-NAM Blackwell Lecture; EDGE Foundation Secretary and Treasurer Talithia Williams (Harvey Mudd College) gave the 2015 Claytor-Woodard Lecture and will give the 2019 Cox-Talbot Lecture; and EDGE Foundation Vice-President Ulrica Wilson (Morehouse College) is NAM's Vice-President. Additionally many members of NAM have either been students in the EDGE program, and/or worked with the program over the years. Our two organizations are inextricably intertwined and we could not be happier that the EDGE Program received this award.

To learn more about EDGE, or to donate to the EDGE Foundation, visit the web site <https://www.edgeforwomen.org>.

**Omayra Ortega** is the Editor of the NAM Newsletter. She can be reached at [editor@nam-math.org](mailto:editor@nam-math.org). □



Accepting the award for EDGE (L to R): Dr. Raegan Higgins, Dr. Ulrica Wilson, Dr. Rhonda Hughes, Dr. Sylvia Bozeman, and Dr. Ami Radunskaya





## Job Openings

### Santa Clara University

The Department of Mathematics and Computer Science at Santa Clara University, a Jesuit, Catholic University, is offering a tenure-track position at the rank of Assistant Professor in either (a) any area of Applied Mathematics with a strong computational component or (b) theoretical Statistics or any applied area of Statistics (e.g., Biostatistics). Tenure stream faculty are expected to balance a commitment to quality undergraduate teaching with an active, sustainable research and publication program, as well as provide effective service to the Department, College and University. Candidates should be prepared to teach six courses per academic year during three quarters. The position begins September 1, 2019, by which time a Ph.D. is required. The closing date for applications is November 30, 2018. Santa Clara University, located in California's Silicon Valley, is an AA/EEO employer. For more information, see [www.scu.edu/hr/careers/faculty.cfm](http://www.scu.edu/hr/careers/faculty.cfm).

---

### Hamilton College

The Mathematics Department at Hamilton College invites applications for a tenure-track position at the rank of Instructor or Assistant Professor, beginning July 1, 2019. The area of the position is statistics, broadly construed. Candidates with a PhD in statistics are preferred, although candidates with ABD will be considered.

Commitment to excellence in all aspects of undergraduate teaching and mentorship is essential, as is a passion for working with students, both in and beyond the classroom, in a vibrant department that is currently averaging between 40 and 50 majors per year. Prior teaching experience is desirable. The teaching load for this position is four courses during the first year and five courses thereafter. Active scholarship is expected and generously supported. Candidates should indicate how both their research programs and related teaching interests would contribute to the department's curriculum. For more information see: <http://www.hamilton.edu/academics/math/default.html>.

Finally, we are seeking candidates who can demonstrate their experience in teaching and working with diverse student populations. Your application should include a diversity statement which addresses the ways in which you would further the College's goal of building a diverse educational environment.

A complete application will include a cover letter, a current curriculum vitae, research, teaching and diversity statements, and three letters of reference (including at least one that evaluates teaching.) These may be submitted electronically at <http://www.mathjobs.org>. Questions regarding the search may be directed to Sally Cockburn, Search Committee Chair, at [scockbur@hamilton.edu](mailto:scockbur@hamilton.edu). The deadline for applications is October 15, 2018; applications will be reviewed on a rolling basis until the position is filled.

Hamilton ([www.hamilton.edu](http://www.hamilton.edu)) is a residential liberal arts college located in upstate New York. Applicants with dual-career considerations can find other Hamilton and nearby academic job listings at [www.upstatenyherc.org](http://www.upstatenyherc.org), as well as additional information at <https://www.hamilton.edu/dof/faculty-development/resources-for-prospective-or-new-faculty/opportunities-for-spouses-or-partners>. Hamilton College is an affirmative action, equal opportunity employer and is committed to diversity in all areas of the campus community. Hamilton provides domestic partner benefits. Candidates from underrepresented groups in higher education are especially encouraged to apply.



## Williams College

The Williams College Department of Mathematics and Statistics invites applications for two two-year visiting positions in mathematics, to begin fall 2019. Candidates should have earned a Ph.D. in mathematics, applied mathematics, or a related field by summer, 2019. We will consider candidates with any area of mathematical expertise.

Visiting Assistant Professors are asked to teach four courses per year on our 12-week semester schedule, advise several undergraduate student colloquia (our capstone experience for seniors), and make small contributions to service activities in the department. This set of professional duties provides a window into the experience of being a mathematician in a liberal arts setting.

Our department offers a vibrant undergraduate program with majors in mathematics (including an applied mathematics emphasis) and in statistics. For more information, see <https://math.williams.edu>. The multidisciplinary environment is a rich and collegial setting for student education and faculty research. Williams College provides: the opportunity to apply for student research assistant support; a standard, annual allocation of funds to support travel and research; and a shared computer cluster for parallel computation. Visiting Assistant Professors are also eligible to participate in the colleges comprehensive First Three professional development program (<https://faculty-networks.williams.edu/networking-opportunities>).

Approximately one hour from the Albany, NY airport, Williams College is located in Williamstown, a thriving destination proximate to: three major art museums; theater, music, and dance festivals; community supported agriculture farms; a highly-rated public school system; and many other resources.

The Williams undergraduate student body has 40% U.S. minority enrollment and nearly 10% international enrollment. Reflecting the institutions values, our department is diverse and inclusive, with 50% of our faculty being women, people of color, and/or members of the LGBTQ+ community. We encourage applications from members of underrepresented groups with respect to gender, race and ethnicity, religion, sexual orientation, disability status, socioeconomic background, and other axes of diversity.

Applications should be submitted via <http://www.mathjobs.org>. Your application should include the following components.

1. Please provide a cover letter. This letter might describe your interest in Williams and in the liberal arts, and provide a brief summary of your professional experience and future goals. We ask you to address how your teaching, scholarship, mentorship and/or community service might support Williams commitment to diversity and inclusion.
2. Please provide a current curriculum vitae.
3. Please provide a teaching statement. Ideally, this statement should be 2 - 3 pages long, and it might address your teaching philosophy, teaching experience, and any other reflections or relevant information you would like to share.
4. Please provide a brief research statement. Ideally, it should help our faculty, who come from a wide range of mathematical disciplines, understand the nature of your work and think about how to support you during your post-Ph.D. years.
5. Please have at least three recommenders submit letters of recommendation. If possible, at least one of these letters should comment on your experience as a teaching assistant or on any other instructional capacities in which you have served.

We also ask applicants to fill out this brief EEOC demographic survey:  
<https://goo.gl/forms/xqT52JBGKXSonPU1>.



While completing this form is voluntary, we hope you will fill it out. Responses will be accessible only by administrators and EEO officers.

If you have questions about this position, contact search committee chair Chad Topaz ([cmt6@williams.edu](mailto:cmt6@williams.edu)). Review of applications will begin on or after November 1 and will continue until the positions are filled. All offers of employment are contingent upon completion of a background check. Further information is available at <https://faculty.williams.edu/prospective-faculty/background-check-policy>.

Williams College is a coeducational liberal arts institution located in the Berkshire Hills of western Massachusetts. The college has built its reputation on outstanding teaching and scholarship and on the academic excellence of its approximately 2,000 students. Please visit the Williams College website (<http://www.williams.edu>). Beyond meeting fully its legal obligations for non-discrimination, Williams College is committed to building a diverse and inclusive community where members from all backgrounds can live, learn, and thrive.

---

### **Shippensburg University**

Assistant Professor of Mathematics - Applied Math or Statistics Emphasis

The Mathematics Department at Shippensburg University is looking to expand its offerings in applied mathematics, statistics, actuarial science, and/or data science. A tenure-track position at the assistant professor level is available. Candidates should have a Ph.D. in applied mathematics or statistics (by the time of employment), effective communication and leadership skills, and a commitment to teaching excellence and student-centered scholarship. Candidates with a Ph.D. in pure mathematics and an M.S. in applied mathematics, statistics, actuarial science, or data science may be considered. A doctorate from an accredited institution is required for tenure. As part of a successful on-campus interview process, candidates will be expected to provide a demonstration of teaching effectiveness and evidence of understanding diverse populations. For a complete description of this opportunity and to apply for this position go to <http://jobs.ship.edu/postings/1288>. Shippensburg University is an equal opportunity employer.

---

### **Brown University - Lecturer**

Lecturer: One full time position, to begin July 1, 2019. The teaching load is four courses per year (two per semester). Candidates must have received a Ph.D. degree in Mathematics by the start of the appointment. A minimum of three years full time teaching experience at the university level is required.

Applicants should have a strong commitment to teaching. Courses to be taught will include calculus at all levels and/or linear algebra. The position will also involve coordinating multi-section high-enrollment courses. Other responsibilities will include the oversight and training of graduate student TAs.

For full consideration, applicants must submit a curriculum vitae, teaching statement, AMS Standard Cover Sheet, and at least three teaching references by November 19, 2018. (Later applications will be reviewed to the extent possible.) Please submit all application materials on line at <http://www.mathjobs.org>. Email inquiries should be addressed to [info@math.brown.edu](mailto:info@math.brown.edu). Brown University is committed to fostering a diverse and inclusive academic global community; as an EEO/AA employer, Brown considers applicants for employment without regard to, and does not discriminate on the basis of, gender, race, protected veteran status, disability, or any other legally protected status.



### Brown University - J.D. Tamarkin Assistant Professorship

J. D. Tamarkin Assistant Professorship: One or more three-year non-tenured non-renewable appointments, beginning July 1, 2019. The teaching load is one course one semester, and two courses the other semester and consists of courses of more than routine interest. Candidates are required to have received a Ph.D. degree or equivalent by the start of their appointment, and they may have up to three years of prior academic and/or postdoctoral research experience.

Applicants should have strong research potential and a commitment to teaching. Field of research should be consonant with the current research interests of the department.

For full consideration, applicants must submit a curriculum vitae, an AMS Standard Cover Sheet, at least three letters of recommendation primarily focused on research, and one letter addressing teaching (possibly as part of a research letter), by November 19, 2018. (Later applications will be reviewed to the extent possible.) In addition, applicants are required to identify a Brown faculty member with similar research interests. Please submit all application materials on line at <http://www.mathjobs.org>. Email inquiries should be addressed to [junioresearch@math.brown.edu](mailto:junioresearch@math.brown.edu). Brown University is committed to fostering a diverse and inclusive academic global community; as an EEO/AA employer, Brown considers applicants for employment without regard to, and does not discriminate on the basis of, gender, race, protected veteran status, disability, or any other legally protected status.

### Brown University - Associate Professor with tenure or tenure-track Assistant Professor

The Mathematics Department at Brown University invites applications for one regular position, to begin July 1, 2019 at the level of Associate Professor with tenure or tenure-track Assistant Professor; exceptionally qualified senior candidates may be considered for appointment as full Professor. Preference will be given to applicants who will interact mathematically with current members of the Department. For more information see: <https://www.brown.edu/academics/math/faculty-0>

Qualified individuals are requested to submit a letter of application, and a curriculum vitae online to: <http://www.mathjobs.org>.

Tenure-level applicants should include the **names** of precisely 5 references that would be contacted at the appropriate time by the search committee. Candidates should have an outstanding record of scholarship establishing them as international leaders in their fields; a demonstrated willingness to contribute to vitality of the department by mentoring students and interacting with colleagues; and evidence of effective and responsible classroom teaching.

Tenure-track level applicants should request **no more than 5** reference letters to be uploaded by referees directly to the same site. At least one letter should address the candidates teaching credentials. Candidates should have an excellent track record of research and teaching, and show clear potential to contribute in the future as tenured faculty members.

Applications received by October 15, 2018 will receive full consideration, but the search will remain open until the position is closed or filled. For further information or inquiries, write to: [srsearch@math.brown.edu](mailto:srsearch@math.brown.edu).

Brown University is committed to fostering a diverse and inclusive academic global community; as an EEO/AA employer, Brown considers applicants for employment without regard to, and does not discriminate on the basis of gender, race, protected veteran status, disability, or any other legally protected status.





## Macalester College

Applications are invited for *two* tenure-track assistant professor positions, one in **applied mathematics** and one in **analysis**, to begin Fall 2019. Candidates must have completed or be completing a PhD in Mathematics, or closely related field. Strong candidates will have a track record in the mentoring of undergraduate research and a commitment to teaching and research in an undergraduate liberal arts environment. Macalester offers an attractive environment for mathematical scientists with majors in Mathematics, Applied Mathematics and Statistics, and CS and minors in Mathematics, Statistics, Data Science, and CS. Our department has developed an innovative curriculum and built relationships with allied disciplines. We work with diverse student populations and teach courses that include elements of civic engagement. The College maintains a longstanding commitment to academic excellence with a special emphasis on internationalism, multiculturalism, and service to society. As an Equal Opportunity employer supportive of affirmative efforts to achieve diversity among its faculty, Macalester College strongly encourages applications from women and members of underrepresented minority groups. See [www.macalester.edu/mscs/mathjobs2018-19/](http://www.macalester.edu/mscs/mathjobs2018-19/) for application details. Full consideration will be given to complete applications received by **November 15, 2018**.

---

## The College of Wooster

Assistant Professor, Mathematics, Tenure-track Two Positions

The Department of Mathematics and Computer Science at The College of Wooster invites applicants for two tenure-track positions in mathematics/statistics to begin Fall 2019. Duties will include teaching five elementary and advanced courses in mathematics, directing Senior Independent Study, and participating in the Colleges First-Year Seminar program. A focus in applied/computational mathematics or statistics is preferred, although versatile candidates from all areas of mathematics and statistics will be considered. We value candidates who can contribute to curricular development connected to applied mathematics, statistics, and data science. The College of Wooster enrolls a diverse student body (20% domestic students of color and 11% international students); applicants should demonstrate a promise of excellence in working with students from diverse backgrounds. A Ph.D. is required.

Please submit a cover letter, CV, copies of unofficial graduate transcripts, teaching statement, research statement, diversity statement, and three reference letters through Mathjobs.org. The diversity statement should detail how the applicant has engaged and/or expects to engage with issues of diversity in the classroom and the curriculum, as well as on campus and in the broader community. Questions concerning the search process should be directed to Jennifer Bowen, Chairperson (email: [JBowen@wooster.edu](mailto:JBowen@wooster.edu)). Review of applications will begin on October 5, 2018.

Wooster seeks to ensure diversity by its policy of employing persons without regard to age, sex, color, race, creed, religion, national origin, disability, veteran status, sexual orientation, or political affiliation. The College of Wooster is an Equal Opportunity/ Affirmative Action Employer.

## Wesleyan University - Mathematical Logic

The Department of Mathematics and Computer Science at Wesleyan University invites applications for a tenure-track assistant professorship in mathematics to begin in the fall of 2019.

We seek strong candidates in all areas of mathematical logic, especially those whose research interests connect with the interests of current members of the department. However, exceptional candidates in any field compatible with the research interests of the faculty are also encouraged to submit an application.

Wesleyan University is a leading liberal arts school with approximately 3000 students, located halfway between Boston and New York and also halfway between Hartford and New Haven. The university has graduate programs leading to doctoral and masters degrees in the sciences and ethnomusicology. The Department of Mathematics and Computer Science awards the Ph.D. degree in Mathematics, and the MA degrees in Mathematics as well as Computer Science. There are 13 mathematicians and 7 computer scientists in the department, not including visitors and postdocs, as well as approximately 17 graduate students. The low student to faculty ratio ensures close contact between faculty and graduate students. Wesleyan values both scholarship and teaching very highly, has a strong, diverse undergraduate student body, and offers a generous sabbatical program and competitive salaries and benefits.

Teaching duties will be two courses in each semester, typically including a graduate-level course. Additional duties include advising and mentoring students, and participating in faculty governance at the departmental and university levels.

Wesleyan University, located in Middletown, Connecticut, does not discriminate on the basis of race, color, religious creed, age, gender, gender identity or expression, national origin, marital status, ancestry, present or past history of mental disorder, learning disability or physical disability, political belief, veteran status, sexual orientation, genetic information or non-position-related criminal record. We welcome applications from women and historically underrepresented minority groups. Inquiries regarding Title IX, Section 504, or any other non-discrimination policies should be directed to: Deborah Colucci, Equity Compliance Director & Deputy Title IX Coordinator, 860-685-2456, dcolucci@wesleyan.edu.

For full consideration applications must be received by November 15, 2018, and must include a cover letter, curriculum vitae, research statement, teaching statement, and at least four letters of recommendation, one of which evaluates the candidates teaching. A Ph.D. or equivalent degree in mathematics in hand is required by the time of appointment to be hired as an Assistant Professor; a successful candidate may be hired as an Instructor if the candidate does not have a Ph.D. or equivalent degree in hand at the time of appointment, but will do so within one year of hire. As part of the teaching statement, we invite each candidate to describe his/her cultural competencies and experiences engaging a diverse student body. Applications must be submitted online at [mathjobs.org](http://mathjobs.org). Other correspondence may be directed to the following addresses:

Adam Fieldsteel  
 Chair, Department of Mathematics and Computer Science  
 Wesleyan University  
 Middletown, CT 06459.  
 email: [afieldsteel@wesleyan.edu](mailto:afieldsteel@wesleyan.edu)

Wai Kiu Chan  
 Chair of the Search Committee  
 Department of Mathematics and Computer Science  
 Wesleyan University  
 Middletown, CT 06459.  
 email: [wkchan@wesleyan.edu](mailto:wkchan@wesleyan.edu)



## Wesleyan University - Topology

The Department of Mathematics and Computer Science at Wesleyan University invites applications for a tenure-track assistant professorship in mathematics to begin in the fall of 2019.

We seek strong candidates in all areas of topology, especially those whose research interests connect with the interests of current members of the department. However, exceptional candidates in any field compatible with the research interests of the faculty are also encouraged to submit an application.

Wesleyan University is a leading liberal arts school with approximately 3000 students, located halfway between Boston and New York and also halfway between Hartford and New Haven. The university has graduate programs leading to doctoral and masters degrees in the sciences and ethnomusicology. The Department of Mathematics and Computer Science awards the Ph.D. degree in Mathematics, and the MA degrees in Mathematics as well as Computer Science. There are 13 mathematicians and 7 computer scientists in the department, not including visitors and postdocs, as well as approximately 17 graduate students. The low student to faculty ratio ensures close contact between faculty and graduate students. Wesleyan values both scholarship and teaching very highly, has a strong, diverse undergraduate student body, and offers a generous sabbatical program and competitive salaries and benefits.

Teaching duties will be two courses in each semester, typically including a graduate-level course. Additional duties include advising and mentoring students, and participating in faculty governance at the departmental and university levels.

Wesleyan University, located in Middletown, Connecticut, does not discriminate on the basis of race, color, religious creed, age, gender, gender identity or expression, national origin, marital status, ancestry, present or past history of mental disorder, learning disability or physical disability, political belief, veteran status, sexual orientation, genetic information or non-position-related criminal record. We welcome applications from women and historically underrepresented minority groups. Inquiries regarding Title IX, Section 504, or any other non-discrimination policies should be directed to: Deborah Colucci, Equity Compliance Director & Deputy Title IX Coordinator, 860-685-2456, dcolucci@wesleyan.edu.

For full consideration applications must be received by November 15, 2018, and must include a cover letter, curriculum vitae, research statement, teaching statement, and at least four letters of recommendation, one of which evaluates the candidates teaching. A Ph.D. or equivalent degree in mathematics is required by the time of appointment to be hired as an Assistant Professor; a successful candidate may be hired as an Instructor if the candidate does not have a Ph.D. or equivalent degree in hand at the time of appointment, but will have the degree within one year of hire. As part of the teaching statement, we invite candidates to describe their cultural competencies and experiences engaging a diverse student body. Applications must be submitted online at [mathjobs.org](http://mathjobs.org). Other correspondence may be directed to the following addresses:

Adam Fieldsteel  
Chair, Department of Mathematics and Computer Science  
Wesleyan University  
Middletown, CT 06459.  
email: [afieldsteel@wesleyan.edu](mailto:afieldsteel@wesleyan.edu)

Karen Collins  
Chair of the Search Committee  
Department of Mathematics and Computer Science  
Wesleyan University  
Middletown, CT 06459.  
email: [kcollins@wesleyan.edu](mailto:kcollins@wesleyan.edu)



**American University**  
**Position Announcement: Assistant Professor**  
**Department of Mathematics and Statistics, College of Arts and Sciences**

The Department of Mathematics and Statistics in the College of Arts and Sciences at American University invites applications for a full-time, tenure-track position at the rank of Assistant Professor beginning August 1, 2019. Applicants should have a PhD or an anticipated PhD completion by August 2019 in the field of Mathematics, Statistics, or a closely related field.

Candidates should be effective teachers and must be strongly committed to excellence in scholarly research. We welcome applications from candidates engaged in high-quality scholarship in Data Science with a strong mathematical/statistical grounding. Areas of interest include probability, data science, machine learning, Bayesian modeling, spatial statistics, harmonic analysis, times series analysis, information theory, computational topology, number theory and computational science. In addition to scholarship and teaching, responsibilities will include participation in department, school and university activities.

Salary and benefits are competitive. Applications are due December 1, 2018; after that date review will be considered as warranted until the position is filled. Please submit applications via: [www.mathjobs.org](http://www.mathjobs.org). Include a letter of application, curriculum vitae, three letters of recommendation, recent teaching evaluations (when possible), and copies of recent published papers or working papers. Please contact John Nolan, 202-885-3140 or [jpnolan@american.edu](mailto:jpnolan@american.edu) if you have any questions.

American University is a private institution within easy reach of the many centers of government, business, research, and the arts located within the nations capital. For more information about American University, visit [www.american.edu](http://www.american.edu).

The department offers both undergraduate and masters degree programs. Learn more about the College of Arts and Sciences at <http://www.american.edu/cas/> and about the department at [www.american.edu/cas/mathstat/](http://www.american.edu/cas/mathstat/).

American University is an equal opportunity, affirmative action institution that operates in compliance with applicable laws and regulations. The university does not discriminate on the basis of race, color, national origin, religion, sex (including pregnancy), age, sexual orientation, disability, marital status, personal appearance, gender identity and expression, family responsibilities, political affiliation, source of income, veteran status, an individuals genetic information or any other bases under federal or local laws (collectively Protected Bases) in its programs and activities. American University is a tobacco and smoke free campus.

**Wheaton College**

The Department of Mathematics at Wheaton College in Norton, Massachusetts invites applications for a tenure-track Assistant Professor position to begin in the Fall of 2019. We seek candidates with a passion for teaching a broad selection of undergraduate math courses and the creative energy to develop new courses, with Statistics and Applied Mathematics given preference. An active research program able to engage undergraduates is also desirable. Required qualifications include a PhD in Statistics, Applied Mathematics, or Mathematics, with thesis defense completed by 8/31/2019; prior teaching experience; ability to expand current departmental offerings in Statistics or Applied Mathematics; and an active scholarly research program. For more information and to submit an application, please visit: <http://jobs.wheatoncollege.edu/postings/2465>. Review of applications will begin November 15, 2018, and will continue until the position is filled. Wheaton College is an equal opportunity/affirmative action employer.





## Fordham University

Department of Mathematics at Fordham University – Senior Position

The Department of Mathematics of Fordham University seeks to hire an outstanding mathematician at the rank of Associate or Full Professor, to be based primarily at our Lincoln Center campus and to begin in the fall of 2019.

We seek scholars who have demonstrated success in teaching and mentoring undergraduates, who have established a productive and original research program and who are prepared to assume an active leadership role in the life of the Department.

Candidates in all areas of pure and applied mathematics are encouraged to apply. We are especially interested those who can enhance the diversity of our faculty and curriculum, whose specialties give promise of leading to research collaborations with our permanent faculty, or who have applied their work in collaborations with researchers in non-mathematical disciplines.

Initial expressions of interest in this position may be submitted online through MathJobs.Org at <http://www.mathjobs.org/jobs/fordham> and should include a full curriculum vitae and a cover letter briefly reviewing your accomplishments, explaining why you are interested in our Department and outlining how you hope to contribute to our mission. Review of these submissions will commence October 15th and continue until the position is filled.

Further details may be found at [https://www.fordham.edu/info/20595/mathematics/7638/faculty\\_positions](https://www.fordham.edu/info/20595/mathematics/7638/faculty_positions). Address inquiries by email to [mathematics@fordham.edu](mailto:mathematics@fordham.edu).

Fordham is an independent, Catholic University in the Jesuit tradition that welcomes applications from all backgrounds. Diversifying its faculty and curriculum is at the heart of the mission and vision of Fordham University. We are committed to an application process accessible to individuals with disabilities and encourage applicants to request any needed accommodation(s). We value and are committed to a host of diverse populations and cultures, including, but not limited to, those based on ability, age, ethnicity, gender, gender identity, national origin, race, religion, sexual orientation, and veteran status. Fordham is an equal opportunity employer.

---

## University of Nebraska at Lincoln

Applications are invited for one tenure-track position in operator algebras or modern analysis, starting August 2019. The successful candidate will have a Ph.D. in mathematics and outstanding potential for research and teaching in mathematics. Preference will be given to applicants in an area of operator algebras or modern analysis which complements or builds upon existing departmental strengths. Applicants should send a letter of application, a CV, separate statements addressing research and teaching, and at least three letters of reference, at least one of which should address teaching, to [mathjobs.org](http://mathjobs.org) or to: Search Committee, Department of Mathematics, University of Nebraska-Lincoln, Lincoln, NE 68588-0130. Use of the AMS application cover sheet is encouraged. To be considered for the position, applicants must also complete the Faculty/Administrative application at <http://employment.unl.edu>, requisition F\_180093. Review of applications will begin November 16, 2018 and continue until the position is filled. For more information see the departments web site at [www.math.unl.edu](http://www.math.unl.edu). As an EO/AA employer, qualified applicants are considered for employment without regard to race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation. See <http://www.unl.edu/equity/notice-nondiscrimination>.



---

**St. Olaf College**  
**Department of Mathematics, Statistics and Computer Science**  
**Tenure Track Position**

The Department of Mathematics, Statistics, and Computer Science seeks a mathematician with expertise in analysis and a demonstrated commitment to supporting a thriving and diverse undergraduate mathematics program. Responsibilities include teaching a variety of undergraduate mathematics courses, and developing and maintaining an active research program that also contributes meaningfully to the departments strong commitment to undergraduate research supervision. Review of applications will begin November 15, 2018. Candidates whose applications are complete by December 1, 2018 will be considered for interviews at the January 2019 Joint Mathematics Meetings in Baltimore or by phone/video if unable to attend the meetings. Applications must be submitted online, through <http://www.mathjobs.org>.

---

**Emory University**  
Tenure-Track Faculty Position  
Analysis and PDE  
Atlanta, GA

Emory Universitys Mathematics Department invites applications for a tenure-track faculty position in Analysis and Partial Differential Equations, to begin in Fall 2019. Appointments are expected to be at the Assistant Professor level, but truly exceptional candidates may be considered for senior appointments. Applicants must demonstrate outstanding research ability and have a PhD in mathematics or a closely related field. Applicants should also have strong records, or promise, as undergraduate and graduate teachers. Ideal candidates will have interests that complement and enhance Emorys current research strengths in analysis, differential geometry, and computational mathematics.

Applications consisting of a cover letter, CV, research and teaching statements, and three letters of recommendation directly from the recommenders should be sent to <https://apply.interfolio.com/53961>. Informal inquiries about the position may be sent to [amsearch19@emory.edu](mailto:amsearch19@emory.edu). Screening starts December 1, 2018. Applications received up to 30 days after review begins will be given full consideration and review will continue until the position is filled. For additional information about the department, please see <http://www.math.emory.edu>.

Emory University is an equal employment opportunity and affirmative action employer. Women, minorities, persons with disabilities, and veterans are strongly encouraged to apply. Emory University is committed to student and faculty diversity, equity, and inclusion. In your cover letter or in a separate statement, please reflect upon your experience and vision regarding the teaching and mentorship of students from diverse backgrounds.

Emory University is a top-ranked private institution recognized internationally for its outstanding colleges, graduate and professional schools, and one of the worlds leading health care systems. Emory scholars and experts generate more that \$574 million dollars in research funding annually while also highly valuing excellence in teaching. Emorys beautiful campus is a part of the energetic Atlanta metropolitan area, which is home to more than five million people and has a diversity of cultural, social, entertainment, shopping and recreational options. Atlanta, often referred to as "the City in a Forest", has mild winters, long and beautiful spring and fall seasons, and is home to the worlds busiest international airport, providing ready access to global travel.



**Emory University**  
Tenure-Track Faculty Position  
Discrete Mathematics  
Atlanta, GA

Emory University's Mathematics Department invites applications for a **tenure-track faculty position in Discrete Mathematics**, to begin in Fall 2019. Appointments are expected to be at the Assistant Professor level, but truly exceptional candidates may be considered for senior appointments. Applicants must demonstrate outstanding research ability and have a PhD in mathematics or a closely related field. Applicants should also have strong records, or promise, as undergraduate and graduate teachers. Ideal candidates will have interests that complement and enhance Emory's current research strengths in discrete mathematics, notably in probabilistic and extremal combinatorics, graph theory and theoretical computer science.

Applications consisting of a cover letter, CV, research and teaching statements, and three letters of recommendation directly from recommenders, should be sent to <https://apply.interfolio.com/53951>. Informal email inquiries about the position can also be sent to [dmsearch19@emory.edu](mailto:dmsearch19@emory.edu). Screening starts December 1, 2018. Applications received up to 30 days after review begins will be given full consideration and review will continue until the position is filled. For additional information about the department, please see <http://www.math.emory.edu>.

Emory University is an equal opportunity and affirmative action employer. Women, minorities, persons with disabilities and veterans are strongly encouraged to apply. Emory University is committed to student and faculty diversity, equity, and inclusion. In your cover letter or in a separate statement, please reflect upon your experience and vision regarding the teaching and mentorship of students from diverse backgrounds.

Emory University is a top-ranked private institution recognized internationally for its outstanding colleges, graduate and professional schools, and one of the world's leading health care systems. Emory scholars and experts generate more than \$574 million dollars in research funding annually while also highly valuing excellence in teaching. Emory's beautiful campus is a part of the energetic Atlanta metropolitan area, which is home to more than five million people and has a diversity of cultural, social, entertainment, shopping and recreational options. Atlanta, often referred to as "the City in a Forest", has mild winters, long and beautiful spring and fall seasons, and is home to the world's busiest international airport, providing ready access to global travel.

---

**Tulane University**

The Department of Mathematics at Tulane University invites applications for a **tenure-track or tenured position in Mathematical Statistics**, to begin in the Fall 2019 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 <https://www.mathjobs.org/jobs/jobs/12253>. Application review will begin on November 1, 2018. This position is subject to final budgetary approval. Tulane's anti-discriminatory policy can be found at <https://equity.tulane.edu/report-claim/policies>.

For more information, please contact Ricardo Cortez, [rcortez@tulane.edu](mailto:rcortez@tulane.edu).



## Events of Interest to NAM Members

A complete list of events containing these and more can be found online:

<https://www.nam-math.org/upcoming-activities.html>



**StatFest 2018: September 22.** The American Statistical Association's (ASA) StatFest will take place on September 22, 2018 at Amherst College. More information can be found at the web site <https://nhorton.people.amherst.edu/statfest/>.



**NAM Undergraduate MATHFest: September 28-30.** NAM's Undergraduate MATHFest XXVIII will take place at Spelman College from September 28-30, 2018. The J. Ernest Wilkins Lecture will be given by **Michelle Craddock Guinn** (Belmont University). More information can be found at the web site <https://www.nam-math.org/mathfest.html>.



**Modern Math Workshop: October 10-11.** The Mathematical Sciences Diversity Initiative

holds a Modern Math Workshop (MMW) prior to the SACNAS National Conference each year. The 2018 MMW will be hosted by SAMSI at the Henry B. Gonzalez Convention Center, San Antonio, Texas on October 10th and 11th, 2018.

The Modern Math Workshop includes a keynote lecture, mini-courses, research talks, a question and answer session and a reception. The keynote speaker is **Javier Rojo** (Oregon State University), with mini-courses run by **Ernest Fokoué** (Rochester Institute of Technology) and **Katie Newhall** (University of North Carolina at Chapel Hill).

Registration ends on June 30, 2018. More information can be found at the web site <https://www.maa.org/meetings/mathfest>.



**Field of Dreams Conference: November 2-4.** The National Alliance for Doctoral Studies in the Mathematical Sciences is pleased to announce the Eleventh Annual Mathematical Field of Dreams Conference. This is the third year the conference will be held at the Renaissance St. Louis Airport Hotel in St. Louis, Missouri. It will take place from November 2-4, 2018.

The Conference will bring together faculty in the mathematical sciences with students from backgrounds underrepresented in those fields. The keynote speakers are **Rodrigo Bañuelos** (Purdue University) and **Cristina Villalobos** (University of Texas Rio Grande Valley).

More information can be found at the web site <https://mathalliance.org/>.



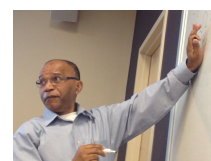
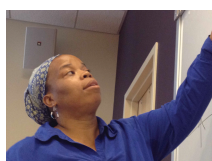




**Blackwell-Tapia Conference: November 9-10.** This is the ninth in a series of biennial conferences honoring David Blackwell and Richard Tapia, two seminal figures who inspired a generation of African-American, Native American and Latino/Latina students to go into mathematics.

The conference will also present the Blackwell-Tapia Prize to a mathematical scientist who has contributed significantly both to research in his field of expertise and in ways to address the problem of the underrepresentation of minorities in mathematics. The 2018 recipient of the Blackwell-Tapia Prize is **Ronald E. Mickens**, the Distinguished Fuller E. Callaway Professor in the Department of Physics at Clark Atlanta University.

More information can be found at the web site <https://mathinstitutes.org/diversity/>.



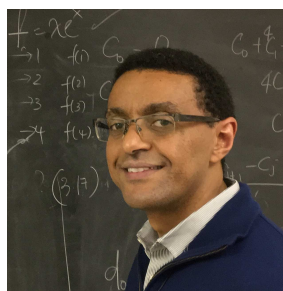
**The Faculty Conference on Research and Teaching Excellence (FCRTE)** is a two-day meeting, typically Friday and Saturday in the Spring, which rotates around the country based on NAM's regional structure. The conference is geared for faculty from Historically Black Colleges and Universities (HBCUs). The conference consists of five components: A Short Course in Computational Science, The Albert Turner Bharucha-Reid Lecture, Recognition Banquet, Contributed Talks, and a Regional Panel Discussion. The tentative dates for the FCRTE are March 29-30, 2019.

More information can be found at the web site <https://www.nam-math.org/fcrte.html>.

**SIAM CSE19 Broader Engagement Program**

The Society of Industrial and Applied Mathematics (SIAM) 2019 Computational Science and Engineering (CSE19) conference Broader Engagement (BE) program will provide a rich scientific program, mentoring, and career and professional development to students from underrepresented and underprivileged backgrounds who aspire to broaden their experience in research-based professional activities. The conference will be held at the Spokane Convention Center in Spokane, WA from Feb 25 Mar 1, 2019. Funding is available. Application deadline: Fri, Sept 21, 2018

More information can be found at the web site <http://shinstitute.org/siam-cse19-be-program/>.



**2019 Joint Mathematics Meetings: January 16-19.** The next Joint Mathematics Meetings will take place from January 16-19, 2019 in Baltimore, Maryland. NAM will present Lifetime Achievement Awards to **Melvin R. Currie** (National Security Agency) and **Evelyn Boyd Granville**. The Cox-Talbot Address will be given by **Talithia Williams** (Harvey Mudd College). The Claytor-Woodard Lecture will be given by **Henok Mawi** (Howard University).

More information can be found at the web site <https://www.nam-math.org/jmm-events.html>.



**2019 MAA-NAM Blackwell Lecture** Dr. Johnny Houston, Elizabeth City State University, will give the David Harold Blackwell Lecture at the 2019 MAA MathFest on Friday August 2, 2019 in Cincinnati, OH.





# National Association of Mathematicians, Inc. Undergraduate MATHFest XXVIII



**Friday, September 28 - Sunday, September 30  
Spelman College**

NAM's Undergraduate MATHFest is a three-day meeting which rotates around the country based on NAM's regional structure. It is held annually to encourage students to pursue advanced degrees in mathematics and mathematics education. The conference is geared for undergraduates from Historically Black Colleges and Universities (HBCUs), although all are welcome to attend. The conference consists of five components:

**Student Talks**

There will be ten talks given by undergraduate and graduate students which last 30-minutes each.

**Poster Presentations**

Students have the opportunity to present posters outlining their research.

**Graduate Fair**

Universities will have an opportunity to showcase their graduate programs and interact with undergraduate students in a two-hour fair.

**Problem Time with Dr. Cooper**

Throughout the conference, students will be presented challenge problems. Students with correct solutions will be presented prizes.

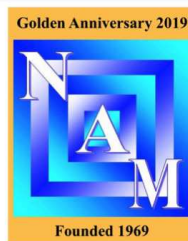
**The J. Ernest Wilkins Lecture**

This is an hour-long talk, given by an established researcher, to motivate our undergraduates to continue to pursue research in the mathematical sciences.



2018 J. Ernest Wilkins Lecture  
**Michelle Craddock Guinn**  
Associate Professor of Mathematics  
Belmont University

Funding is available for travel. To apply for funding, visit the conference website below.



**Spelman College®**

*A Choice to Change the World*

<http://www.nam-math.org/mathfest.html#XXVIII>





# WPI STEM FACULTY LAUNCH

## LAUNCH YOUR ACADEMIC CAREER

WPI's STEM Faculty Launch is a premier workshop for graduate students and post-doctoral researchers seeking tenure-track positions in the STEM fields. Now in its fourth year, STEM Faculty Launch is open to candidates nationwide. Women and traditionally underrepresented minority candidates are especially encouraged to apply.



**Where:**

Worcester Polytechnic Institute (WPI), Worcester, Massachusetts

**When:**

October 4-5, 2018

**Application Deadline:**

August 17, 2018

Participants will spend two days on the campus of WPI where they will attend a variety of interactive sessions, receive career advice and feedback from expert faculty, and gain exposure to project-based learning, a hallmark of WPI education.

Topics to be covered include:

- Negotiating for a tenure-track position or other faculty position.
- Preparing your research and teaching statements, using evidence-based teaching practice.
- Preparing for the on-campus interview.
- Developing an Individual Development Plan (IDP) for your professional goals.

All invited participants receive funding to cover travel expenses to and from WPI as well as lodging and meals during the workshop. For more information or to apply, visit [www.wpi.edu/+facultylaunch](http://www.wpi.edu/+facultylaunch).

[APPLY NOW](#)

Worcester Polytechnic Institute  
[stemfacultylaunch@wpi.edu](mailto:stemfacultylaunch@wpi.edu)  
[wpi.edu/+facultylaunch](http://wpi.edu/+facultylaunch)





## Conference Invitation to Mathematics

Texas Southern University  
9/22 – 9/23/2018

The goals of the conference are (1) to expose undergraduates to mathematical ideas and techniques that are employed in current scientific research world, and (2) to introduce students career paths for math majors. To achieve these goals, we bring together experts from various fields of mathematics including Statistics, Mathematical Biology, Operations Research, Algebra and other areas of mathematics.

**Application for travel support:** We have a limited amount of fund to support travel expense (hotel room, transportation, meals) for students. If you are interested, please upload the following documents when you register:

- (1) CV (2 pages max);
- (2) one recommendation letter.

**Deadline: Aug. 25, 2018.**

**Application for poster presentation:**

**Deadline** for submitting poster abstract is **Sept 1, 2018.**

### Invited speakers and Panelists:

- Pamela Denkins (NASA)
- Illya V. Hicks (Rice University)
- Natalio Hritonenko (Prairie View A&M University)
- Folefac D Atem (University of Texas)
- Kenneth Smith (Sam Houston State University)
- Jianzhong Su (University of Texas, Arlington)
- Mark Tomforde (University of Houston)
- Christina Eubanks-Turner (Loyola Marymount U.)
- Talitha M. Washington (Howard University)
- Paulette N. Willis (Kumon)

### Organizers:

- Azime S. Saydam (Chair)
- Roderick Holmes (co-chair)
- Yunjiao Wang (co-Chair)
- All other faculty members at the department of Mathematics of Texas Southern University

For more info, visit:

<http://mathematics.tsu.edu/news/conference-invitation-to-mathematics/>





The Math Alliance and  
The Center for the National  
Math Sciences Alliance  
at Purdue University



**2018 FIELD OF DREAMS CONFERENCE**  
*Hosted by Washington University in St. Louis*



November 2-4, 2018  
Renaissance St. Louis Airport Hotel  
St. Louis, MO

**Keynote Speaker**



**Dr. Rodrigo Banuelos**  
Professor of Mathematics  
Purdue University

**Featured Speakers**



**Dr. Peter Sarnak**  
Eugene Higgins Professor of  
Mathematics, Princeton University  
and Professor, The Institute for  
Advanced Studies



**Dr. Cristina Villalobos**  
Professor of Mathematics,  
University of Texas Rio Grande Valley  
and Founding Director of the Center  
of Excellence in STEM Education

*Sponsored in part by:*



*And Our Partner Institutions:*



For more information, visit our website: [mathalliance.org](http://mathalliance.org)



**ICERM**

The Institute for Computational and Experimental Research in Mathematics

Apply at <https://icerm.brown.edu/events/btc2018/>  
 First priority funding will be given to applications received by August 31, 2018.

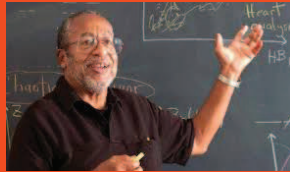
# Blackwell-Tapia Conference

## November 9-10, 2018

The Institute for Computational and Experimental Research in Mathematics (ICERM) is pleased to host the ninth biennial Blackwell-Tapia Conference. These conferences honor distinguished mathematical scientists David Blackwell and Richard Tapia, two seminal figures who inspired a generation of African American and Latinx mathematicians.

The conference will feature a mix of activities including scientific talks, poster presentations, ample opportunities for discussion and interaction, and the awarding of the 2018 Blackwell-Tapia Prize.

The 2018 Blackwell-Tapia Prize will be presented to **Dr. Ronald E. Mickens**, the Distinguished Fuller E. Callaway Professor in the Department of Physics at Clark Atlanta University (pictured below).



ICERM | 121 S. Main Street, 11th floor | Box E | Providence, RI 02903 | [info@icerm.brown.edu](mailto:info@icerm.brown.edu)

### THURSDAY, NOVEMBER 8, 2018

Public Lecture & Reception (pre-conference event)  
**Mel Currie**, National Security Agency  
 6:00pm: light reception  
 6:30pm: lecture begins

### FRIDAY, NOVEMBER 9, 2018

Conference begins at 1:00pm  
 Poster session and reception at 6:30pm

### SATURDAY, NOVEMBER 10, 2018

Conference continues from 9:00am-5:00pm  
 Conference reception at 6:00pm  
 Banquet and award ceremony at 7:00pm

### FUNDING

There is funding available for travel and lodging. To register and apply for funding, go to: <https://icerm.brown.edu/events/btc2018/>

### CONFIRMED SPEAKERS

Visit our website for a complete list of speakers and schedule.



Mathematical Sciences Institutes  
**DIVERSITY INITIATIVE**

Cornell  
**CALS**





# Institute for Computational and Experimental Research in Mathematics POSTDOCTORAL FELLOWSHIPS



**The Institute for Computational and Experimental Research in Mathematics (ICERM) at Brown University invites applications for its postdoctoral fellowship positions:**

- Two academic year Institute Postdoctoral Fellowships
- Ten semester-length Postdoctoral Fellowships
- All Postdoctoral Fellows matched with faculty mentors
- Brown University is an equal opportunity/affirmative action employer and encourages applications from women and minorities.
- Priority will be given to applications received by January 4, 2019
- **Apply via Mathjobs.org** (Search under Brown University)

*These positions are intended for mathematical scientists at an early stage of their career (those who have completed their Ph.D. within three years of the start of the appointment)*

**2019-2020 Institute Postdoctoral Fellows:** ICERM's two Postdoctoral Institute Fellowships are nine-month appointments. Both positions commence in September 2019. One Institute Fellow will participate in the fall 2019 *Illustrating Mathematics* semester program and will remain as a researcher-in-residence during the spring 2020 semester. The other Institute Fellow will begin as a researcher-in-residence during the fall 2019 semester and will participate in the spring 2020 *Model and Dimension Reduction in Uncertain and Dynamic Systems* semester program. ICERM will match these two Institute Fellows with faculty mentors for the entire academic year. Institute Fellows receive a nine-month salary of \$52,000 with benefits, and a travel allowance of \$1,500.

**2019-2020 Semester Postdoctoral Fellows:** ICERM's ten Postdoctoral Semester Fellowships are four-month appointments. Five Semester Fellows will begin their appointments in September 2019 during the *Illustrating Mathematics* semester program. The other five Semester Fellows will begin their appointments in January 2020 during the *Model and Dimension Reduction in Uncertain and Dynamic Systems* semester program. ICERM will match each Semester Fellow with a faculty mentor for the duration of their semester program. ICERM Semester Fellows receive a salary of \$26,000 over four months, plus benefits and a travel allowance of \$750.



**icerm.brown.edu**

ICERM | 121 S. Main Street | 11th Floor | Providence, RI 02903

# MSRI

## Call for Applications: 2019-20 Research Programs

The Mathematical Sciences Research Institute in Berkeley, California invites applications for membership in its 2019-20 research programs.

### FALL 2019

- Holomorphic Differentials in Mathematics and Physics
- Microlocal Analysis

### SPRING 2020

- Quantum Symmetries
- Higher Categories and Categorification

[msri.org/programs](http://msri.org/programs)

**Apply online beginning August 1, 2018**

Research Professorships (Deadline: 10/1/18)

Research Memberships and Postdoctoral Fellowships (Deadline: 12/1/18)



The Institute is committed to the principles of Equal Opportunity and Affirmative Action. Students, recent Ph.D.s, women, and minorities are particularly encouraged to apply.



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





projectnext.maa.org  
projectnext@maa.org

## Launch the NExT stage of your career!

### New Cohort Application Cycle and Search for Associate Director

The first round of applications for the 2019 cohort of MAA Project NExT has a deadline of **October 15, 2018**. Applications can be found at [projectnext.maa.org](http://projectnext.maa.org). New(ish) faculty who are already in full-time teaching positions are strongly encouraged to use this deadline. Decisions will be made by December 1, 2018. Those accepting positions during this academic year (to start Fall 2019) may use the second application deadline of April 15, 2019.

MAA Project NExT 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. 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.



2016 MAA Project NExT cohort

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).

In addition, the MAA expects to hire a new Associate Director whose term will begin in Summer 2019. Information about the application process will appear at [projectnext.maa.org](http://projectnext.maa.org). Questions? Contact [projectnext@maa.org](mailto:projectnext@maa.org).



Southwest Center  
for Arithmetic Geometry

## ARIZONA WINTER SCHOOL 2019

Department of Mathematics  
The University of Arizona®

Deadline to apply for funding:  
November 12, 2018

<http://swc.math.arizona.edu>

## TOPOLOGY AND ARITHMETIC

**Michael Hopkins**

*Lubin–Tate spaces: old and new questions*

**Jacob Lurie**

*Tamagawa numbers in the function field case*

**Matthew Morrow**

*Topological Hochschild homology  
in arithmetic geometry*

**Kirsten Wickelgren**

*$A^1$ -enumerative geometry*

## TUCSON, MARCH 2-6, 2019

Funded by the National Science Foundation  
and organized in partnership  
with the Clay Mathematics Institute







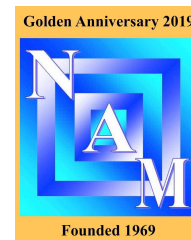
**What do you love?** Whatever your interest, **we've got the math for that.** Film animation? Pro football? Magic? Music? Dating? Dance? Cryptography? Planet Earth? The Data Revolution? Check, check, check. Meet mathematicians eager to share their enthusiasm on these and many other topics!



<http://www.nationalmathfestival.org/2019-festival/>



# NAM Board of Directors



**President**

Dr. Edray Herber Goins  
 Pomona College  
 president@nam-math.org

**Vice President**

Dr. Ulrica Wilson  
 Morehouse College  
 vice-president@nam-math.org

**Secretary/Treasurer**

Dr. Roselyn E. Williams  
 Florida A&M University  
 secretary-treasurer@nam-math.org

**Executive Secretary**

Dr. Leon Woodson  
 Morgan State University  
 executive-secretary@nam-math.org

**Region A Member**

Dr. Tuwaner Hudson Lamar  
 Morehouse College  
 region-a-member@nam-math.org

**Region B Member**

Dr. Shea Burns  
 North Carolina A&T State University  
 region-b-member@nam-math.org

**Region C Member**

Dr. Jacqueline Brannon Giles  
 HCCS / Texas Southern University  
 region-c-member@nam-math.org

**Majority Institution Member**

Dr. Robin Todd Wilson  
 California State University at Pomona  
 majority-institution-member@nam-math.org

**Outside of Academia Member**

VACANT  
 outside-academia-member@nam-math.org

**Community College Member**

Dr. Janylle Laurice Carter  
 Diablo Valley College  
 community-member@nam-math.org

**Editor**

Dr. Omayra Ortega  
 Sonoma State University  
 editor@nam-math.org

**Ex-Officio President Emeritus**

Dr. Nathaniel Dean  
 Texas State University San Marcos  
 ND17@txstate.edu

**Executive Secretary Emeritus**

Dr. Johnny L. Houston  
 Elizabeth City College  
 jlhouston602@gmail.com

**Region A**

**Southeast/West**

Alabama  
 Georgia  
 South Carolina  
 Florida  
 Virgin Islands  
 Puerto Rico  
 California  
 Montana  
 Any state not in B or C

**Region B**

**Mid-Atlantic**

Delaware  
 District of Columbia  
 Kentucky  
 Maryland  
 New Jersey  
 New York  
 North Carolina  
 Pennsylvania  
 Virginia  
 West Virginia

**Region C**

**Midwest/Southwest**

Arkansas  
 Louisiana  
 Missouri  
 Oklahoma  
 Illinois  
 Ohio  
 Mississippi  
 Tennessee  
 Texas





# NATIONAL ASSOCIATION OF MATHEMATICIANS MEMBERSHIP AND DONATION FORM

MEMBERSHIP CALENDAR YEAR: JANUARY 1, 2018 to DECEMBER 31, 2018

This form can also be completed online at <https://www.nam-math.org/authenticate/register/>

TITLE \_\_\_\_\_ NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
INSTITUTION/EMPLOYER \_\_\_\_\_  
TELEPHONE: HOME (\_\_\_\_) \_\_\_\_\_ OFFICE (\_\_\_\_) \_\_\_\_\_  
FAX: (\_\_\_\_) \_\_\_\_\_ E-MAIL ADDRESS \_\_\_\_\_

### SELECT APPROPRIATE MEMBERSHIP TYPE

STUDENT: \$30    INDIV'L: \$50    LIFE: \$500    GOLDEN LIFE: \$1,000    INST'L: \$150  
GENERAL DONATION \$ \_\_\_\_\_  
GOLDEN ANNIVERSARY CAMPAIGN DONATION \$ \_\_\_\_\_

### PLEASE RETURN COMPLETED FORM AND MEMBERSHIP DUES TO:

Dr. Roselyn E. Williams, Secretary-Treasurer

National Association of Mathematicians  
P.O. Box 5766  
Tallahassee, FL 32314-5766

Office Phone: (850) 412-5236  
E-Mail: [secretary-treasurer@nam-math.org](mailto:secretary-treasurer@nam-math.org)  
Web: <http://www.nam-math.org>

### INDIVIDUALS AND STUDENTS

Please complete below if you did not send NAM this information within the past three years. List all degrees you currently hold. Circle the correct degree.

B.S. or B.A.: Area \_\_\_\_\_ Institution \_\_\_\_\_  
M.S. or M.A.: Area \_\_\_\_\_ Institution \_\_\_\_\_  
Ph.D. or Ed.D.: Area \_\_\_\_\_ Institution \_\_\_\_\_  
Other: Area \_\_\_\_\_

Institutional Representative (for NAM)  
 Area or State Representative \_\_\_\_\_  
 Committee Member (specify interest): Interest \_\_\_\_\_  
 Need additional information about the organizational structure of NAM

### RACE/ETHNICITY (Optional):

Asian    Black    Hispanic    Native American    Pacific Islander    White    Other





**DONOR CARD**  
 NAM GOLDEN  
 ANNIVERSARY CAMPAIGN

**My gift to the NAM Golden Anniversary  
 Endowment Campaign.**

**Campaign Giving Levels**

Platinum: \$5,000 and up      Patron: \$150 - \$499  
 Gold: \$2,500 - \$4,999      Sponsor: \$50 - \$149  
 Silver: \$1,000 - \$2,499      Donor: less than \$50  
 Bronze: \$500 - \$999

My gift amount is \$ \_\_\_\_\_

With my gift above, I desire **NAM Life  
 Membership:**

\_\_\_ Golden Life Membership (\$1,000+)  
 \_\_\_ Regular Life Membership (\$500)

*All gifts above will be identified by giving  
 levels, rather than by individual amounts, in  
 campaign reports.*

[ ] I want my gift to remain anonymous.  
 [ ] My donation is for a special designation.  
 Designation:

**Please credit my gift as an endowment of  
 a NAM program** (See right column for amounts.  
 \$25,000 minimum)

\_\_\_ I am enclosing my gift (by mail)  
 \_\_\_ I will pay on the NAM website  
 (Go to [www.nam-math.org](http://www.nam-math.org))

**Make check payable to NAM G. A. Campaign  
 and mail check to:**

Dr. Roselyn E. Williams, Secretary-Treasurer,  
 P.O. Box 5766, Tallahassee, Florida 32314

NAM is a 501(c)(3) non-profit organization.  
 All gifts are tax deductible

Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 \_\_\_\_\_  
 Institution/Employer \_\_\_\_\_  
 \_\_\_\_\_  
 Phone \_\_\_\_\_  
 E-mail \_\_\_\_\_

\_\_\_ I am making a pledge to be paid by  
 September 30, 2019.  
 PLEDGE amount \$ \_\_\_\_\_

**ENDOWMENT OF AN ANNUAL  
 NAM PROGRAM OR ACTIVITY**

*(Full endowment amounts listed. For more  
 information contact [jlhouston602@gmail.com](mailto:jlhouston602@gmail.com))*

Undergraduate MATHfest	\$500,000
Computational Science Institute	\$250,000
Faculty Teaching & Research Institute	\$250,000
Haynes-Granville-Browne Colloquium Presentations by New PhDs	\$125,000
Claytor-Woodard Lecture	\$125,000
Cox-Talbot Address	\$125,000
J. Ernest Wilkins Lecture	\$125,000
Albert T. Bharucha-Reid Lecture	\$125,000
David Blackwell Lecture	\$125,000
Clarence Stephens-Abdulalim Shabazz Teaching Award	\$125,000
Archives	\$125,000

**Note:** For student, regular individual  
 and institutional NAM memberships, go  
 to [www.nam-math.org](http://www.nam-math.org).





*Preserving the past while endowing for the future!*

## NAM Golden Anniversary Campaign 2018-2019

The National Association of Mathematicians (NAM) will celebrate its **50<sup>th</sup> Anniversary Year** in 2019. From January 1, 2018 through September 30, 2019, NAM will conduct a **GOLDEN ANNIVERSARY CAMPAIGN** with the goal of establishing a NAM Endowment Fund of at least **\$2 million** to serve as the base support, ensuring vibrant annual programs and activities for many years into the future. During the campaign NAM expects to:

- Increase its membership of Regular, Life, Student, and Institutional Members
- Endow several annual programs, lectures, and other activities
- Solicit increased support from the broader community, including friends, philanthropists, foundations, companies, and other supportive enterprises.

### Golden Anniversary Campaign Committee

**Dr. Johnny L. Houston**, Elizabeth City State Univ., Co-Chair, [jlhouston602@gmail.com](mailto:jlhouston602@gmail.com); 252-267-2222

**Dr. Sylvia T. Bozeman**, Spelman College, Co-Chair, [sylvia.bozeman12@att.net](mailto:sylvia.bozeman12@att.net)

**Dr. Robert E. Bozeman**, Morehouse College

**Dr. Donald Cole**, Univ. of Mississippi

**Dr. William 'Bill' Hawkins**, Univ. of D.C.

**Dr. Emille D. Lawrence**, Univ. of San Francisco

**Dr. Sastry Pantula**, Oregon State Univ.

**NAM Executive Board's Ex-officio members**



### Endow Program/Activity!

Listed below are full endowment amounts.

Undergraduate MATHFest	\$500,000
Computational Sc. Institute	\$250,000
Faculty Teaching & Research Institute	\$250,000
Haynes-Granville-Browne Colloquium Presentations by new PhDs	\$125,000
Claytor-Woodard Lecture	\$125,000
Cox-Talbot Address	\$125,000
Albert T. Bharucha-Reid Lecture	\$125,000
J. Ernest Wilkins Lecture	\$125,000
David Blackwell Lecture	\$125,000
Clarence Stephens-Abdulalim Shabazz Teaching Award	\$125,000
Archives	\$125,000

A gift of \$25,000 or more will partially endow one NAM annual program or activity. NAM is a 501(c)(3) non-profit organization. All gifts are tax deductible.

### How to Support the Campaign

- Fully or partially endow an annual activity/program
- Encourage others to support the campaign with full/partial endowments
- Give a gift in honor of or in memory of a friend or colleague.
- Include NAM in your estate or future planning.

[www.nam-math.org](http://www.nam-math.org)

**Golden Anniversary 2019**



**Founded 1969**

The National Association of Mathematicians (NAM), Inc. is a non-profit professional organization in the mathematical sciences with membership open to all.

### NAM's Mission

- To promote excellence in the mathematical sciences.
- To promote the mathematical development of underrepresented American minorities.

### Major Activities by Season!

**WINTER:** NAM National Meeting at the JMM, Claytor-Woodard Lecture, Haynes-Granville-Browne Colloquium of Presentations by new PhDs, Cox-Talbot Address and Stephens-Shabazz Teaching Award

**SPRING:** Regional Faculty Conference, Albert T. Bharucha-Reid Lecture

**SUMMER:** David Blackwell Lecture, Summer Student Computational Science Institute

**Fall:** Undergraduate MATHFest, J. Ernest Wilkins Lecture

**NAM Newsletter**

c/o Dr. Omayra Ortega  
Department of Mathematics and Statistics  
Sonoma State University  
1801 E. Cotati Ave  
Rohnert Park CA 94928

ADDRESS SERVICE REQUESTED

**Golden Anniversary 2019**



**Founded 1969**