Thoughts from the Executive Director...

We’re coming to the end of March, and the year is flying by. This is a time of year when I keep switching between my Alliance Directorship hat and my Purdue Mathematics Department Graduate Program Chair hat. As grad chair, I am waiting to see which of the students we’ve offered admission to are going to be joining our program. I want to see our program do really well, but I also want to see us attract students who will succeed here, and hope we help students who will best fit in other programs to find those programs. In my role with the Alliance I am waiting to hear which of our students, particularly our F-GAP students, have been accepted into graduate programs and where they are choosing to attend. For those students and faculty who have this information, please be sure to share it with us!! Our sponsors like as much data as we can provide them on our students’ success. I know our mentors and students are doing a great job, and I look forward to hearing all the good outcomes!! Speaking of F-GAP, we are starting to get information from mentors and facilitators and will be matching students soon. Mentors, if your students should be in F-GAP, be sure to let us know. Doctoral mentors, let us know if you will be a facilitator for this year’s F-GAP program.

Planning is well under way for the 2018 Field of Dreams Conference, which will be in St. Louis, November 2-4. Washington University in St. Louis will be our host once again, and I want to thank Provost, Holden Thorp, Assistant Provost for Diversity, Rochelle Smith, the WashU Math Department and everyone else at WashU for the tremendous support they have provided for the Field for Dreams for three years. This year Professor Cristina Villalobos (U. Texas, Rio Grande Valley) will deliver the Connections Lecture, Peter Sarnak (Princeton and the Institute for Advanced Studies) will be our Mathematical Sciences Lecturer, and Rodrigo Bañuelos (Purdue) will be our Keynote Speaker. We are very excited about this lineup and are working on putting together the remaining agenda. Look for more announcements about this year’s Field of Dreams Conference in the coming months.

As always, I want to thank our mentors (now more than 750!!!!) for making the Alliance what it is and our Scholars for working so hard!!

Juan Meza Appointed as next Director for the Division of Mathematical Sciences

The Alliance was pleased to see the announcement from the National Science Foundation that Juan Meza, former Dean of Natural Sciences at University of California, Merced, has been named as the next Director for the Division of Mathematical Sciences (DMS). Professor Meza is a Professor in the Applied Mathematics Department at UC Merced, which was one of our earliest Graduate Program Groups, and our first Doctoral Program Group in California. The Applied Mathematics Department at Merced has been a great supporter of the Alliance and Professor Meza has been a leader in that Department for many years. Professor Meza received his B.S. and M.S. in Electrical Engineering, and his Ph.D. in Computational and Applied Mathematics, all from Rice University (1978, 1979, and 1986, respectively). He has held a number of distinguished appointments, including Senior Scientist for High Performance Computing Research at Lawrence Berkeley National Laboratory, and Distinguished Member of the Technical Staff at Sandia National Laboratories. He has played a prominent role nationally in several organizations, including several devoted to diversity, notably SACNAS, and was the recipient of the 2008 Blackwell-Tapia Prize, among many other awards.

To read more about Professor Meza’s new appointment, you can view the press announcement at UC Merced. We extend our congratulations and best wishes to Professor Meza in his new role.
INFINITE POSSIBILITIES
Conference for Women of Color in Mathematics & Statistics
Howard University · Washington, D.C.

APRIL 14-15, 2018
“... rejuvenating and reenergizing.”
- 2015 IPC participant

The Infinite Possibilities Conference (IPC) is a national conference designed to promote, educate, encourage and support women of color interested in careers in mathematics and statistics.

KEYNOTE SPEAKERS
Chelsea Walton
Temple University

Maria Mercedes Franco
Queensborough Community College CUNY

FEATURED PANELISTS
Carla Cotwright-Williams
U.S. Department of Defense

Maria Garcia
U.S. Census Bureau

Leona Harris
University of the District of Columbia

Karoline Pershell
Association for Women in Mathematics Service Robotics and Technologies

Research Talks & Poster Sessions · Mentoring & Career Breakout Sessions · Professional Development · Community

CONFERENCE FEE*
$20 Undergraduate and Graduate Students
$30 Postdocs
$50 Faculty, Government and Industry Professionals
* For registration by March 15, 2018.

REGISTER ONLINE
Funding Deadline: March 2, 2018
Registration Deadline: April 14, 2018

“[Meeting] so many women of color who earned PhDs in math and statistics... blew me away and kept me coming back for more.”
- Past conference participant

msri.org/infinite2018

What is the Mathematical Sciences Institutes Diversity Initiative?
With funding from the National Science Foundation, this initiative is a collaboration among the mathematical sciences institutes to increase the participation of underrepresented groups in the mathematical sciences, including women, underrepresented racial and ethnic minorities, and persons with disabilities. Learn more: mathinstitutes.org/diversity/
CeSMUR
UNDERGRADUATE CONFERENCE 2018

The Central States Mathematics Undergraduate Research conference is a mathematics conference intended for undergraduates. It features two plenary talks given by eminent mathematicians, and talks given by undergraduates describing their own research. The conference is on the University of Nebraska-Lincoln City Campus, with lodging at Embassy Suites in downtown Lincoln.

FRIDAY, APRIL 20
Avery Hall, 1 p.m. - 7:30 p.m.

SATURDAY, APRIL 21
Jorgensen Hall, 9 a.m. - 5 p.m.

REGISTER ONLINE BY MARCH 25
If you are interested in giving a talk, please submit an abstract when you register. If you need travel support, you also can apply when registering.

https://www.math.unl.edu/events/cesmur

Conference supported by the National Science Foundation, the UNL Research Council and the UNL Faculty Senate.

UNL does not discriminate based upon any protected status. Please see go.unl.edu/nondiscrimination.
The Eighth Annual USTARS will be held on April 6-8, 2018 at Reed College in Portland, OR.

Faculty Speaker: Jose Perea from Michigan State University

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

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

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

The Mathematicians of Color Alliance (MOCA) Network will be hosting a one week workshop for mathematicians of color to collaborate with a secondary mathematics teacher in their local community. Mathematicians will share their expertise, experiences, and time with mathematics teachers in an effort to provide new perspectives, opportunities, and access to the teachers and their students of color.

The workshop will take place at Iowa State University (Ames, IA) on August 6-10, 2018. Participants will receive funding for travel and a stipend in the amount of $1000 for participating in the workshop and periodic school-based collaborations. An application consists of a CV, personal statement, and completing a survey. The survey will be sent to applicants after they apply on MathPrograms. Postdoc, graduate students, and mathematicians in business, industry, or government are encouraged to apply also.

The Mathematicians of Color Alliance (MOCA) Network, is a network whose mission it is to create substantial and transformative relationships with students of color and their teachers in the school setting. The MOCA Network's goals include collaborating with teachers to develop and implement engaging mathematics with students of color in order to provide access to greater opportunities and to ensure these students are able to develop productive relationships with mathematics as a field that is welcoming and exhilarating. Apply Here

This workshop is funded by NSF Includes Grant #1744463

Postbaccalaureate Certificate in Mathematics at Iowa State University

The Department of Mathematics at Iowa State University will be offering a Postbaccalaureate Certificate in Mathematics during the 2018-2019 academic year, pending funding approval.

The Postbaccalaureate Certificate in Mathematics is a certificate program that offers students who have received Bachelor’s degrees a year of training and preparation for entering a PhD program. The main goal of the program is to prepare students to be successful in graduate studies in mathematics and to experience graduate school.

In this program students will take 4 courses, have teaching assignments in undergraduate courses, get ample mentoring from the department’s faculty and graduate students, attend conferences, and receive professional development to aid in applying for graduate programs (or jobs, if necessary).

Applicants must submit an application, transcripts, a personal statement, and at least 2 letters of recommendation. Underrepresented minorities, women, veterans, and nontraditional students who want to go back to school are encouraged to apply.

Learn more at www.mathpostbac.org and apply online at https://www.mathprograms.org/db/programs/662.

The review of applications will start on March 9 and will continue until all slots are filled.
Contact Michael Young (myoung@iastate.edu) or Bernard Lidicky (lidicky@iastate.edu) with any questions.
Conference Announcement

Summer school and conference: "Interactions of quantum affine algebras with cluster algebras, current algebras and categorification", in honor of Vyjayanthi Chari’s 60th birthday.

The conference is partially funded by the NSF and some travel support will be available for participants, with the priority given to graduate students, post-docs and junior faculty with limited access to research funding. Women and persons from group which are underrepresented in mathematical sciences are particularly encouraged to apply. The deadline for funding applications is April, 15th. Funding decisions will be made by April 30th.

The conference "Interactions of quantum affine algebras with cluster algebras, current algebras and "categorification" will take place at the Catholic University of America in Washington, DC on June 2-8, 2018. The conference will focus on problems related to, or motivated by, representations of infinite dimensional Lie algebras and their quantum analogues. The recent rapid growth, rising prominence, and emerging connections between these topics underscores the timely need for a conference that focuses on new connections by bringing together leading researchers who work on different aspects of these subjects.

A main goal of the conference is to expose graduate students and early-career researchers to recent developments in representation theory. In an effort to foster their interest and engagement, the four day conference will be preceded by a three day summer school/workshop for junior researchers. Infinite-dimensional Lie algebras and their quantum analogues play a prominent role in mathematics and mathematical physics. In recent decades their representation theory has been connected with a number of different subjects, such as algebraic geometry, algebraic topology, combinatorics and cluster algebras, to name but a few. The talks will focus on topics such as crystal and canonical bases, Weyl, Demazure and Kirillov-Reshetikhin modules and interaction between them, highest weight categories, Khovanov-Lauda-Rouquier algebras and their applications to categorification, cluster algebras and related structures, geometric methods in infinite dimensional representation theory (in particular, the role of quiver varieties), and map algebras. A special emphasis will be placed on interactions between various structures.

Further details can be found at https://quantumaffine2018.catholic.edu. Registration is now open (see https://
CUNY Research Summit: CREATIVITY IN STEM

The Editors of the Mathematics Teaching-Research Journal in conjunction with CUNY faculty and the CUNY Office of Research are delighted to invite for

CUNY Research Summit: CREATIVITY IN STEM
on Saturday, May 12, 2018
between 8:30 am and 5 pm to
Hostos Community College,
500 Grand Concourse and 149th Street, Bronx.

The registration for the event is open through the Eventbrite until April 5, 2018. Please register in advance: https://www.eventbrite.com/e/cuny-conference-creativity-in-stem-tickets-43505684674

The submission for abstracts for Discipline Sessions and Break-out Sessions is already open via Google docs goo.gl/C8reNq

While submitting your abstract try to address the following aspects of creativity: What do you consider creative and why? How do you measure the “depth” of creativity? How do you teach creativity and assess the process of learning? How do you facilitate the moments of discovery? Do your methods and observations remain in alignment with any known theory of creativity or do you need to build your own theory? Your thoughts and observations on the role of creativity in interesting and retaining female and minority students in STEM are sought for and welcome.

Questions and inquiries can be send to the organizers: Bronisław Czarnocha (bronisuavec2@gmail.com), Małgorzata Marciniak (mmarciniak@lagcc.cuny.edu) and William Baker (wbaker@hostos.cuny.edu).

The Ohio State University at Marion Mathematics Lecturer Position Announcement

The Ohio State University at Marion invites applications for one to two full-time Mathematics lecturer position to begin in Autumn 2018. This is a full-time position on an 8/12 appointment for the academic year 2018-2019. The salary is negotiable and depends on the candidate’s degree and experience. Candidates must have a PhD in Mathematics in hand or expected by the time of appointment. Candidates must have a strong commitment to teaching. Responsibilities will include teaching 12 credit hours every semester. The faculty member will be responsible for teaching and holding office hours in order to assist students.

Application review begins immediately and continues until the position is filled. Candidates must submit a vita, cover letter, quantitative/qualitative evidence of teaching, and three letters of recommendation to mrlncruter@osu.edu. This position requires the successful completion of a criminal background check.

The Ohio State University is an EEO/AA employer and encourages applications from minorities, veterans, women and individuals with disabilities.
University of Rhode Island Department of Computer Science and Statistics

The Department of Computer Science and Statistics in the College of Arts and Sciences (A&S) at the University of Rhode Island invites applications for a tenure-track Assistant Professor of Statistics position with appointment to begin the academic year 2018-2019.

DUTIES AND RESPONSIBILITIES:
The selected candidate for this position will be expected to teach a variety of undergraduate and graduate courses in statistics, develop new statistics classes at the undergraduate and graduate level, keep an active research program, seek external funding, advise and supervise graduate students in statistics or related fields (through joint supervisions), participate in service activities and provide consulting services to students and other faculty in the Department, College and University.

REQUIRED QUALIFICATIONS:
1. Ph.D. with a concentration in statistics, biostatistics or closely related fields (degree must be earned prior to 31 August 2018).
2. Demonstrated ability to conduct academic research and publish in peer-reviewed journals.
3. Demonstrated ability and interest in teaching graduate and/or undergraduate courses in statistics.
4. Demonstrated ability to develop and maintain a collaborative and internally/externally funded research program in statistics and/or related fields.
5. Demonstrated ability to work with diverse groups/populations.
6. Demonstrated interpersonal communication skills.
7. Good command of written and spoken English.

PREFERRED QUALIFICATIONS:
1. While all areas of methodological and applied research in statistics or related fields will be fully considered, statisticians with research interests in areas such as Bayesian methods, functional data analysis, dimension reduction methods, large dataset analysis, multilevel modeling, meta analysis, environmental statistics or social statistics are especially encouraged to apply.
2. Demonstrated ability to help build applied undergraduate and graduate statistics, analytics, data science, and/or informatics programs.
3. Demonstrated ability and/or experience advising and/or mentoring students.
4. Demonstrated interest in developing collaborative research and/or consulting to support the interdisciplinary nature of programs within the Department and the University as a whole.
5. Demonstrated commitment and/or interest to participate in service and outreach committees.

ALL REQUIREMENTS ARE SUBJECT TO POSSIBLE MODIFICATION TO REASONABLY ACCOMMODATE INDIVIDUALS WITH DISABILITIES.

APPLICATION DEADLINE
This is an open until filled search. First consideration will be given to applications received by April 20, 2018. Second consideration may be given to applications received by May 20, 2018. Applications received subsequent to second consideration date (May 20, 2018) may not be given full consideration.

SPECIAL INSTRUCTIONS FOR APPLICANTS
Applications must be submitted directly online only at: http://jobs.uri.edu/postings/3234
Please attach the following 4 (PDF) documents to your online Faculty Profile Application:
1. Cover letter including a description of how your qualifications match the requirements for the position.
2. Curriculum Vitae that includes your research interests, education history, a list of publications and awards, a list of courses taught or assisted, titles of conference presentations, consulting experience, and mentoring/advising experience (as one complete document).
3. Teaching statement (limited to two pages) and teaching evaluations (if applicable) as a single document.
4. Research statement (limited to three pages) as one complete document.

In addition, please ask 3 referees to send a letter of recommendation by email to: Statistics Search Committee Chair, Department of Computer Science and Statistics, URI, Email: searchcss@etal.uri.edu
Medgar Evers College, CUNY Tenure-Track

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

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

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

CLICK TO APPLY       CLOSING DATE: Open until filled