

## Upcoming

### USTARS

Reed College  
April 6-8, 2018

### Infinite Possibilities Conference

Howard University  
April 14-15, 2018

### CeSMUR Undergrad Conference

University of Nebraska-Lincoln  
April 20-21, 2018

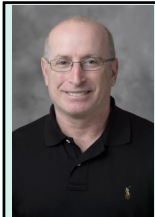
### MOCA Network Workshop

Iowa State University  
Aug. 6-10, 2018

### Field of Dreams Conference

St. Louis, MO  
Nov. 2-4, 2018

## Thoughts from the Executive Director...



David Goldberg  
Executive Director  
of the National  
Math Alliance

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 of 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.

## Summer 2018

The annotated REU page on our website has been updated for this summer.

We would like to thank Prof. Bill Vélez for helping us with this again this year.

<https://mathalliance.org/math-alliance-partners/affiliates/>

# INFINITE POSSIBILITIES

Conference for **Women of Color** in Mathematics & Statistics

**Howard University · Washington, D.C.**

infinite possibilities  
CONFERENCE

**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**



**Mathematical Sciences Institutes  
DIVERSITY INITIATIVE**

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/](http://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.**

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**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.

**N**  
**MATHEMATICS**

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



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

## PLENARY SPEAKERS

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**Prof. Carina Curto**  
Pennsylvania State  
University



**Prof. Michael Young**  
Iowa State University

## FINANCIAL SUPPORT

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Funding is available to support the travel and lodging expenses of conference participants, with preference given to those participants giving presentations.

UNL does not discriminate based upon any protected status. Please see [go.unl.edu/nondiscrimination](http://go.unl.edu/nondiscrimination).

# USTARS 2018

ust\*rs.

underrepresented students in topology and algebra research symposium

The Eighth Annual USTARS  
will be held on April 6-8, 2018  
at Reed College  
in Portland, OR

Faculty Speaker: Jose Perea  
from Michigan State University

Check out [www.ustars.org](http://www.ustars.org)  
for more information and to  
apply to attend and present.

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

(Our definition of underrepresented includes the definition provided the National Science Foundation: minorities (African American, Hispanic, and Native American), women, and individuals with physical disabilities.) \*

Save the Date

April 6-8, 2018

Reed College

ust\*rs.

underrepresented students in topology and algebra research symposium

For more information, check out

[www.ustars.org](http://www.ustars.org)

or email us at

[info@ustars.org](mailto:info@ustars.org)

REED COLLEGE



## 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 the 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](http://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](mailto:myoung@iastate.edu)) or Bernard Lidicky ([lidicky@iastate.edu](mailto:lidicky@iastate.edu)) with any questions.

# Mathematical Sciences Research Institute Spring Workshops, 2018



Mathematical Sciences Research Institute Spring Workshops, 2018  
Berkeley, CA

The Mathematical Sciences Research Institute (MSRI) will hold the following workshops during the Spring of 2018. Established researchers, postdoctoral fellows and graduate students are invited to apply for funding. It is the policy of MSRI to actively seek to achieve diversity in its workshops. Thus, a strong effort is made to remove barriers that hinder equal opportunity, particularly for those groups that have been historically underrepresented in the mathematical sciences.

**April 09, 2018 - April 13, 2018**

Representations of Finite and Algebraic Groups

<http://www.msri.org/workshops/820>

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

## 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](http://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](mailto:bronisuavec2@gmail.com)), Małgorzata Marciniak ([mmarciniak@lagcc.cuny.edu](mailto:mmarciniak@lagcc.cuny.edu)) and William Baker ([wbaker@hostos.cuny.edu](mailto: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 [mrnlecturer@osu.edu](mailto:mrnlecturer@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 Position Announcement

## 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](mailto:searchcss@etal.uri.edu)



## Launch the NExT stage of your career!

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

Recent program sessions have included:

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



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

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

## 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