

Upcoming Events

Bioinformatics: Discovering Patterns in Human Microbiome Data (HMD)

Research Triangle Park
March 16-18, 2015

Annual Outreach Conference to Increase Diversity in Mathematical Modeling & Public Health

Harvard School of Public Health
March 29-30, 2015

Latina/os in the Mathematical Sciences Conference

UCLA
April 9-11, 2015

Developing, Maintaining, and Employing Large Computational Frameworks for the Ecological Sciences

Research Triangle Park, NC
April 13-17, 2015

Graduate Workshop on Current Issues in Statistical Ecology

University of Tennessee, Knoxville
April 15-17, 2015

Mathematics of Lattices and Cybersecurity

ICERM
April 21-24, 2015

SAMSI Undergraduate Modeling Workshop

North Carolina State University
May 17-22, 2015

Second Short Course on Mathematical Sciences in Obesity Research

University of Alabama at Birmingham
May 17-22, 2015

SASMI Uncertainties in Computational Hemodynamics Workshop

Research Triangle Park, NC
June 1-3, 2015

Computational Neuroscience Summer School

Research Triangle Park, NC
June 22-26, 2015

Research Experiences for Undergraduate Faculty (REUF)

Providence, RI
July 20-24, 2015

2015 Alliance Advisory Board Updates



Members of the Alliance Advisory Board met earlier this month to discuss the progress and future of the National Alliance for Doctoral Studies in the Mathematical Sciences. It is tradition to hold the Advisory Board Meeting in the location of the upcoming Field of Dreams Conference. This year the Board assembled at the Sheraton Birmingham Hotel in Birmingham, AL. Much was discussed at

the meeting including the preliminary outcomes of the 2014 FGAP program, the future of the Math Alliance, and the upcoming Field of Dreams Conference this November 6-8, 2015. We are excited to offer a few new sessions at this year's conference based on feedback and suggestions from the Board.

Online Resources Available for You!

Did you know there is a place on the Alliance [website](#) dedicated to [resources](#) for Alliance Scholars? We have compiled a variety of tools and examples for scholars who are looking to apply to graduate school.

Resources include:

- Tips on writing a successful state of purpose
- What to include in your resume
- Who you should request a letter of support from
- Information on the GRE test



Please take a look at the many resources available and let us know if you have any others that would be beneficial to share on our website. We are more than happy to include more tips and links on our website! [Click her to visit the resources available on the Alliance website.](#)

Save the Date!

More information to come!

2015 FIELD OF DREAMS CONFERENCE

November 6-8, 2015
Birmingham, Alabama





May 26, 2015 – July 21, 2015

During eight weeks, 12 undergraduate students will have the opportunity to visit K-State and carry out research projects under the mentorship of the mathematics department's faculty. This REU encourages **applications** from students preparing for graduate studies in mathematics, and those from community colleges who might otherwise not have an opportunity to experience mathematics work and consider graduate studies. **Click here to learn more and apply!**

While we don't have a formal deadline to apply, we start looking at applications some time in March, and then make offers until all 12 spots are filled. Try to have all your application materials (including reference letters) in no later than mid March, or best by early March.

The Mathematical Sciences in Obesity Research

University of Alabama at Birmingham

June 22-26, 2015

The mathematical sciences including engineering, statistics, computer science, physics, econometrics, psychometrics, epidemiology, and mathematics qua mathematics are increasingly being applied to advance our understanding of the causes, consequences, and alleviation of obesity. These applications do not merely involve routine well-established approaches easily implemented in widely available commercial software. Rather, they increasingly involve computationally demanding tasks, use and in some cases development of novel analytic methods and software, new derivations, computer simulations, and unprecedented interdigitation of two or more existing techniques. Such advances at the interface of the mathematical sciences and obesity research require bilateral training and exposure for investigators in both disciplines. This course on the mathematical sciences in obesity research features some of the world's finest scientists working in this domain to fill this unmet need by providing nine topic driven modules designed to bridge the disciplines. For full details of the course please visit our website at <http://www.soph.uab.edu/energetics/shortcourse/second>. You may apply online at <https://www.soph.uab.edu/energetics/shortcourse/second/application>.

Please apply prior to [Fri 5/01/2015](#). Women, members of underrepresented minority groups and individuals with disabilities are strongly encouraged to apply. Limited travel scholarships are available to young investigators. We look forward to seeing you in Birmingham this summer!



Rocky Mountain Summer Workshop on Uncertainty Quantification

University of Colorado Denver

July 15-17, 2015

The University of Colorado Denver is hosting a summer workshop on uncertainty quantification from July 15-17, 2015. This intensive three-day workshop will provide hands-on training on the mathematical theory behind and application of state-of-the-art open source software and computational tools for the quantification of uncertainty and a posteriori error estimation in physics-based models. Please visit the webpage <http://users.ices.utexas.edu/~steven/rocky-mtn-summer-workshop-2015/> for more details including confirmed speakers and topics.

Participants will have a unique opportunity to personally interact with several of the leading researchers in this emerging area of computational mathematics and predictive science. Approximately half of each day is devoted to the practical application of the theory and participants will leave this workshop with many computational examples and software that may serve as a template for future research projects.

We anticipate providing full travel support for up to 20 participants. There are no registration fees, so space is limited to 30 participants. To apply for full or partial travel support and/or to reserve your spot for this workshop, visit <http://users.ices.utexas.edu/~steven/rocky-mtn-summer-workshop-2015/> for more details. The deadline for consideration of travel support is April 3, 2015.



University of Colorado
Denver

2015 StatFest— Call for Locations

The American Statistical Association Committee on Minorities in Statistics is beginning to plan StatFest 2015. StatFest is a one-day Saturday conference held in the Fall each year to introduce undergraduates to the field of Statistics. The aim of the program is to encourage undergraduates from historically underrepresented groups to consider careers and graduate studies in Statistics and Biostatistics. The first step in planning the event is to identify a host institution. At this point in time we would like to identify sites for StatFest for both 2015 and 2016. Most recently StatFest has been held in the following locations.

- September 27, 2014 North Carolina State University, Raleigh, NC <http://community.amstat.org/cmis/events/statfest2014>
- October 12, 2013 Rice University, Houston, TX. <http://www.statistics.rice.edu/2013StatFest/>
- October 6, 2012 San Francisco State University, San Francisco, CA

Would your institution be interested in hosting StatFest? Here is some basic information about the facilities needed.

- Should be within easy driving distance (~ 2 hours) of several undergraduate and minority serving institutions. Most participants major in Mathematics or other disciplines with a quantitative interest.
- Need a lecture room that will seat about 125 people and another room for a breakout session. Usually there are 65-100 participants.
- Need to be able to provide catering (the cost is covered by the ASA CMS) and parking.
- Must be willing to chair local organizing committee.

StatFest is a wonderful conference and provides a great way for your institution to attract underrepresented students. If your institution is interested in hosting StatFest in 2015 or 2016, please contact Marcia Gumpertz at gumpertz@ncsu.edu for more information.



Application Deadline: April 15, 2015

projectnext.maa.org
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Project NExT (New Experiences in Teaching) is a year-long professional development program of the *Mathematical Association of America* 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. 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.

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 2015 cohort of Project NExT Fellows are due on **April 15, 2015** and can be found at projectnext.maa.org.

Questions? Contact projectnext@maa.org