

If you are having trouble reading this email, you may [view the online version](#)

NISS/SAMSI Affiliate Update

February 2012

NISS Events

NISS and SAMSI Annual Affiliates Meeting

When: May 14-15, 2012

Where: Bureau of Labor Statistics in Washington DC

NISS-SAMSI Affiliates are invited to the paired events: a **Workshop on Cell Suppression** in federal statistical data and the **Affiliates Meeting** with technical talks focusing on the upcoming SAMSI year-long programs on [Data-Driven Decisions in Health Care](#) and on [Statistical and Computational Methodology for Massive Datasets](#). Programs for the workshop and the meeting will be published soon on the NISS and SAMSI websites.

Each affiliate liaison is invited to attend and to bring a colleague whose interests intersect one of the three highlighted topics; junior colleagues are especially welcome.

The workshop will be held from 9 am – 3 pm on Monday, May 14; the Affiliates Meeting will begin at 3 pm on Monday, with the Affiliates Dinner that evening. The technical program on Tuesday from 9 am – 2:30 pm, presented by SAMSI program leaders, will give background for the research objectives of each of the SAMSI programs. The meeting will also feature discussion of the Affiliates Committee's suggestions for potential revisions and expansions of the Affiliates Program.

Separate registrations are required for the Cell Suppression Workshop and the 2012 Affiliates Meeting and program. Space in the workshop is limited but affiliates will have priority.

More details and registration to come soon!

SAMSI Events

Interdisciplinary Workshop for Undergraduates and Faculty

When: May 14-18, 2012

Where: at SAMSI in Research Triangle Park, NC

This week long workshop will provide an introduction to the field of uncertainty quantification (UQ) to students and faculty from the mathematical and statistical sciences. The overall goal of the workshop is to illustrate to the need for and power of quantitative methods to confront the very hardest and most important data- and model-driven scientific challenges. A limited number of faculty will also be invited to attend a parallel workshop. While some lectures and the panels will be



attended together with the students, most of the faculty activities will be conducted independently.

[Details here.](#)

SAMSI's 2012-13 Programs

Featured Affiliate - Columbia University Department of Biostatistics

Since 1923, the Mailman School has been at the forefront of public health research, education, and community collaboration. As one of the nation's premier centers of biostatistical research pertaining to clinical trials, brain imaging, cancer, mental health, and more, the Department of Biostatistics at Columbia's Mailman School offers students a myriad of opportunities for advanced study. For more information, [click here.](#)

Useful Links

[NISS Website](#)

[SAMSI Website](#)

Program on Data-Driven Decisions in Healthcare

Opening Workshop: August 26-29, 2012

Where: SAMSI in Research Triangle Park, NC

This year-long SAMSI program will address issues of mathematical and statistical theory and methodology that will improve evidence-based healthcare decision-making. The goals are to:

- Strengthen the link between data and decisions, a path that includes major challenges in mathematical modeling and statistical inference.
- Highlight and increase the role that statistics, applied mathematics and operations research can play in making data-driven healthcare decisions.

The program will have two principal—and intersecting—themes: Operations Research Modeling and Comparative Research Effectiveness. To learn more, [click here](#).

Program on Statistical and Computational Methodology for Massive Datasets

Opening Workshop: September 9-12, 2012

Where: SAMSI in Research Triangle Park, NC

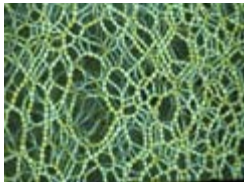
This year-long SAMSI program focuses on fundamental methodological questions of statistics, mathematics and computer science posed by massive datasets, with applications to astronomy, high energy physics, and the environment. Serious challenges posed by massive datasets have to do with "scalability" and "data streaming." Techniques developed for small or moderate-sized datasets simply do not translate to modern massive data sets. Data acquisition rates on the order of gigabytes per second necessitate innovative approaches towards computing environments, analysis, and algorithms. For more information, [click here](#).

SAMSI's Summer Programs for 2012-13

Summer Program on Nonlocal Continuum Models for Diffusion, Mechanics and Other Applications

When: June 25 - 29, 2012

Where: SAMSI in Research Triangle Park, NC



Participants in the workshop will discuss modeling, mathematical, statistical, computational, and applications issues such as kernel choices, connections between nonlocal continuum models and discrete models, well posedness of the equations, finite element and other discretization methods, efficient solution methods for discretized systems, uncertainty quantification and applications including mechanics, image processing, graphs, diffusion and wave propagation.

[Details here.](#)

Summer Program on Computational Advertising

When: August 6 - 17, 2012

Where: SAMSI in Research Triangle Park, NC



The mathematical challenges that arise in computational advertising include massive, high-speed linear programming, better agent-based models for auction dynamics, and the computational finance behind dynamic management of the sales portfolio. The statistical challenges include modeling and forecasting of trends among users, prediction methodology for recommender systems, and modeling the revenue streams. [Details here.](#)

Co-Sponsored Events

Long-Range Dependence, Self-Similarity and Heavy Tails - International Conference in Honor of Professor Murrad S. Taqqu

Where: UNC-Chapel Hill

When: April 19-21, 2012

This three-day event will feature students, junior, and renowned senior probabilists and statisticians working on long-range dependence, self-similarity, and heavy tails. The program will focus on fundamental theory, most recent advances, and emerging applications. The event is intended to provide unique opportunities for research, synergies and exchange ideas. It will also serve to celebrate the career of Professor Murad S. Taqqu, and his outstanding contributions to the field. **ARA ELIGIBLE.**

[Details here.](#)

Network of Greater Georgia Institutions for Neuroimaging and Statistics (NOGGINS) Workshop

April 20, 2012 at University of Georgia in Athens, GA. **ARA ELIGIBLE.**

[Details here.](#)

Southern Regional Council on Statistics Summer Research Conference

June 3-6, 2012 at Jekyll Island Georgia. **ARA ELIGIBLE.**

[Details here.](#)

NISS and SAMSI

P.O. Box 14006, Research Triangle Park, NC
www.niss.org and www.samsi.info



This email was sent to nunnelly@niss.org by NISS
19 T.W. Alexander Dr. | PO Box 14006 | RTP | NC | 27709
[Forward to a friend](#) | [Manage Preferences](#) | [Unsubscribe](#)