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# NISS/SAMSI Affiliate Update

June 2013

## Workshop on Spatial Methods for Federal Surveys

The National Institute of Statistical Sciences (NISS) sponsors periodic workshops for the benefit of the NISS Affiliates. Workshop attendance is restricted to representatives of NISS Affiliate organizations and a limited number of other invited participants.

The next Affiliate workshop is the NISS Affiliate Workshop on Geospatial Methods for Federal Surveys, to be held at the Bureau of Labor Statistics Conference Center, 2 Massachusetts Ave. NE, Washington, DC, on **September 16-17, 2013**.

Geospatial methods are proven tools for studies involving agriculture, environment and natural resources, but have yet to establish a foothold in socio-economic studies and surveys conducted by Federal statistical agencies. The purpose of the Workshop is to examine successful applications of geospatial methods in several domains, and investigate if and how these methods might be applied in socio-economic settings. Presentations will cover topics including improving the precision of small area estimates, combining survey data in space and time, spatially enhanced survey sampling, and applications of GIS and Google Earth to survey design and data collection.

Montserrat Fuentes (NCSU) will lead a half-day discussion focused on moving beyond what has been learned at the Workshop. The Workshop Organizer is Larry Cox, NISS Assistant Director for Official Statistics ([cox@niss.org](mailto:cox@niss.org)).

## NISS/SAMSI JSM Events

### NISS/SAMSI Affiliates Meeting

**When:** August 4, 2013 5:30 p.m.

**Where:** Saint-Jaques Intercontinental Hotel, Montreal, Canada  
[Details here.](#)

### NISS/SAMSI Reception

**When:** August 5, 2013 5:00 p.m.

**Where:** Room CC 710a, Palais des congrès de Montréal, Montreal, Canada  
[Details here.](#)

## SAMSI Summer Programs

### LDHD Summer School

Please see the full program description above under Low-dimensional Structure in High-dimensional Systems.

**When:** August 11-16, 2013

**Where:** Research Triangle Park, NC

## Featured Affiliate - The Centers for Disease Control and Prevention's National Center for Health Statistics

The National Center for Health Statistics (NCHS) is the nation's principal health statistics agency, providing data to identify and address health issues. NCHS compiles statistical information to help guide public health and health policy decisions. These health statistics allow them to:

- Document the health status of the U.S. population and selected subgroups.
- Track impact of major policy initiatives including the Affordable Care Act.
- Identify disparities in health status and use of health care by race/ethnicity, socio-economic status, other population characteristics and geographic region.
- Document access to and use of the health care system.
- Monitor trends in health indicators.
- Support biomedical and health services research.
- Provide data to support public policies and programs.

For more information, [click here.](#)

**Deadline to apply:** July 12, 2013

[Details here.](#)

## SAMSI Events

### 2013 Industrial Mathematics and Statistics Modeling Workshop

**When:** July 15-23, 2013

**Where:** NCSU

Students are divided into six-member teams to collaborate on industrial projects presented by experienced scientists and engineers. The corresponding problems are not the kind of academic exercises often considered in classrooms. The challenges they raise typically require fresh new insight for both formulation and solution. During the workshop, each group is mentored by both the problem presenter and a faculty adviser.

[Details here.](#)

### CMSS Opening Workshop

**When:** August 18-22, 2013

**Where:** Research Triangle Park, NC

**Deadline to Apply:** July 8, 2013

The SAMSI program on Computational Methods in Social Sciences is built around three major themes: Social Networks; Agent-Based Modeling; and Statistical Methodology for Censuses and Surveys. The purpose of the Opening Workshop is threefold: (a) to provide a series of tutorial lectures aiming to introduce the major research themes in the field to graduate students and other newcomers to the topic; (b) a series of focused research sessions highlighting current developments, (c) the formation and initial meetings of Working Groups which will meet weekly through the year of the program.

[Details here.](#)

### LDHD Opening Workshop

**When:** September 8-12, 2013

**Where:** Research Triangle Park, NC

**Deadline to Apply:** August 2, 2013

The Opening Workshop will provide an overview of the core topics relevant to the LDHD program, which is devoted to the development of methodological, theoretical, and computational treatment of high-dimensional mathematical and statistical models.

[Details here.](#)

### Modern Math Workshop 2013

**When:** October 1-2, 2013

**Where:** San Antonio, TX

As part of the *Mathematical Sciences Collaborative Diversity Initiatives*, nine mathematics institutes (including SAMSI) are pleased to host their annual pre-SACNAS National Conference event, the **2013 Modern Math Workshop**.

For further information and to apply please go to

<http://icerm.brown.edu/mmw2013> .

### Dynamics of Seismicity, Earthquake Clustering and Patterns in Fault Networks

**When:** October 9-11, 2013

**Where:** Research Triangle Park, NC

**Deadline to Apply:** September 6, 2013

The workshop will highlight the key role of the mathematical sciences in studying seismicity dynamics in relation to properties of faults and the crust as an essential component of this interdisciplinary research endeavor. This is also an official activity as part of the 2013 Program of Mathematics and the Planet Earth.

[Details here.](#)

**NISS and SAMSI**

P.O. Box 14006, Research Triangle Park, NC  
[www.niss.org](http://www.niss.org) and [www.samsi.info](http://www.samsi.info)



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