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Below is the September 2015 NISS/SAMSI Affiliates Update.

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Affiliates Update

Stephen Fienberg Awarded NISS Jerome Sacks Award in Cross- Disciplinary Research

Dr. Stephen E. Fienberg received the [2015 Jerome Sacks Award for Cross-Disciplinary Research](#). The announcement was made by Dr. Nell Sedransk, Director of NISS, during a reception at the Joint Statistical Meetings in Seattle, Washington. Fienberg is the Maurice Falk University Professor of Statistics and Social Science in the Department of Statistics, the Machine Learning Department, and Cylab, and co-Director of the Living Analytics Research Center at Carnegie Mellon University. Sedransk said Fienberg is receiving this award, “For a remarkable career devoted to the development and application of statistical methodology to solve problems for the benefit of society, including aspects of human rights, privacy and confidentiality, forensics, survey and census-taking, and more; and for exceptional leadership in a variety of professional and governmental organizations, including in the founding of NISS.” [Read more](#) here.



NISS Chairwoman Mary Batcher presents the NISS 2015 Jerome Sacks Award to Stephen Fienberg.

Co-Sponsored Events

Georgia Statistics Day

When: October 30, 2015

Where: Athens, Georgia

This year marks the inaugural Georgia Statistics Day. Professor Robert Tibshirani be the first keynote speaker of this annual event. For more information, [click here](#).

NISS Events

Affiliates Workshop - Non-Ignorable Nonresponse

When: November 13, 2015

Where: Bureau of Labor Statistics, Washington, DC

Deadline to Apply: TBD

Details will be announced soon!

SAMSI Events

Education and Outreach - Undergraduate Workshop

When: October 19 - 20, 2015.

Where: SAMSI

Deadline to Apply: **September 11, 2015**

The workshop focus on Computational Neuroscience will feature introductory lectures on mathematical and statistical methods in neuroscience. Particular

emphasis will be given to understanding the mechanisms that link the various activities (e.g., in molecular biology, genetics, and neuron networks) and their interactions to the overall complex dynamic behavior of the brain and nervous system. Hands on illustrations will be presented and hence the participants are encouraged to bring their laptops. For details and to apply, [click here](#).

Education and Outreach - Undergraduate Workshop

When: February 22 - 23, 2016

Where: SAMSI

Deadline to Apply: **January 15, 2016**

The workshop with a focus on Forensics will feature introductory lectures on mathematical and statistical methods in forensic science. Particular emphasis will be given to the understanding of mathematical methods to link various patterns (e.g., finger prints, tool marks, tire marks) obtained at crime scenes to evidence of crimes. Hands on illustrations will be presented and hence the participants are encouraged to bring their laptops. For details and to apply, [click here](#).

Spring Opportunities for Women in Math Sciences

When: April 6 - 8, 2016

Where: SAMSI

Deadline to Apply: TBD

Details: To come.

2016-17 Program on Statistical, Mathematical and Computational Methods for Astronomy

This year-long research program focuses on the vast range of statistical and mathematical problems arising in modern astronomical research, particularly due to the flood of data produced by both ground-based and space-based astronomical surveys at many wave-bands. The research areas that form the main ingredients of the program include:

- Astronomical simulations and big data issues
- Exoplanets
- Functional data analysis

2016-17 Program on Optimization

This year-long research program aims to produce a synergy between mathematics, statistics and operations research to produce ground breaking advances in:

- Optimization for large-scale statistical analysis
- Statistical approaches for the numerical solution of large-scale optimization problems
- Applications of optimization

Opening Workshop - August 22-26, 2016

For details visit

<http://www.samsi.info/OPT>

- Gravitational wave astrophysics
- High-performance computing for Bayesian inference and machine learning
- Lightcurve analysis/time domain astronomy

Opening Workshop - August 29-
September 2, 2016

For details visit

<http://www.samsi.info/ASTRO>



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