

NISS/SAMSI Affiliate Update

May 2015

Recapping the Affiliates Meeting in Miami



The NISS and SAMSI annual Affiliates meeting was held on March 15 in Miami, Florida in conjunction with the [Eastern North American Region](#) (ENAR) meeting. About 30 affiliates and board members attended the meeting. To find out what happened at the meeting, read Neung Soo Ha's [recap here](#).

Co-Sponsored Events

4th Workshop on Biostatistics and Bioinformatics

When: May 8-10, 2015

Where: Georgia State University, Atlanta, GA

Biostatistics and Bioinformatics have been playing key and important roles in statistics and other scientific research fields in recent years. The goal of this workshop is to stimulate research and to foster the interaction of researchers in Biostatistics & Bioinformatics research areas. The workshop will provide the opportunity for faculty and graduate students to meet the top researchers, identify important directions for future research, facilitate research collaboration. The keynote speaker is Professor Xiao-Li Meng, from Harvard University. There will be invited talks by distinguished researchers, and a poster session by young researchers and graduate students.

For more information, please [visit the website](#).

CAUSE US Conference on Teaching Statistics

When: May 28-30

Where: Penn Stater Conference Hotel, State College, PA

[Details here](#).

Extreme Value Analysis

When: June 15-19, 2015

Where: Ann Arbor, MI

[Details here](#).

2015 International Total Survey Error Conference

When: September 19-22, 2015

Affiliate Profile - Indiana University Purdue University Indianapolis (IUPUI) Department of Mathematical Sciences

The Department of Mathematical Sciences is the largest department at Indiana University-Purdue University Indianapolis (IUPUI). IUPUI was founded in 1969 and has rapidly grown to become a comprehensive university with degrees at all levels in all of the disciplines offered at Indiana University and Purdue University combined. There are half a dozen large hospitals, and the Indiana University Schools of Medicine, Dentistry, and Nursing, located at the IUPUI campus, leading to a major focus at IUPUI on the medical and health sciences.



The Department of Mathematical Sciences has over 50 faculty members teaching and conducting research. There are

Where: Baltimore, MD

[Details here.](#)

SAMSI Events

Ecology Transition Workshop

When: May 4-6, 2015

Where: Research Triangle Park, NC

[Details here.](#)

Beyond Bioinformatics Transition Workshop

When: May 11-13, 2015

Where: Research Triangle Park, NC

[Details here.](#)

Undergraduate Modeling Workshop

When: May 17-22, 2015

Where: NCSU, Raleigh, NC

[Details here.](#)

SAMSI/SAVI Workshop on Time Series Analysis

When: May 25-31, 2015

Where: Pune, India

[Details here.](#)

Summer Program: Uncertainties in Computational Hemodynamics

When: June 1-3, 2015

Where: SAMSI, RTP, NC

During this workshop, bio-engineers, mathematicians, medical doctors, physiologists and statisticians will work collaboratively toward the resolution of three significant challenges in the context of computational hemodynamics: (i) stochastic modeling, (ii) big data approach and (iii) relevance in the clinical setting. The three-day event is structured so that one day will be devoted to each challenge, with a mix of talks and brain storming sessions.

[Details here.](#)

Bayesian Nonparametrics Synergies between Statistics, Probability and Mathematics

When: June 29 - July 2, 2015

Where: SAMSI, RTP, NC

Deadline to Apply: **May 4, 2015**

Bayesian Nonparametrics (BNP) is a rapidly evolving area at the intersection of statistics, machine learning, probability and computer science. The focus is on modeling infinite-dimensional unknown objects that may consist of curves, surfaces, processes or probability measures. The goal of this four-day workshop is to bring together a group of leading researchers having different perspectives on BNP including "outsiders" working on related areas relevant to BNP, such as optimization and probability, with the goal of spurring new collaborative projects aimed at developing transformative new approaches and high impact scientific tools. [Details here.](#)

Industrial Mathematics & Statistical Modeling Workshop

When: July 12-22, 2015

Where: NCSU, Raleigh, NC

Graduate students in mathematics, engineering, and statistics will be exposed to challenging and exciting real-world problems arising in industrial and government laboratory research. Students will also experience the team approach to problem solving. Students are divided into six-member teams.

[Details here.](#)

Computational Neuroscience Summer School

When: July 27-31, 2015

Where: RTP, NC

Deadline to apply: **June 1, 2015**

This summer school is targeted for graduate students, postdocs, and

groups in Pure Mathematics, Applied Mathematics, and Statistics. The Department has an Undergraduate Program and a Graduate Program. The Undergraduate Program includes concentrations in Pure Mathematics, Applied Mathematics, Actuarial Sciences, and Applied Statistics (in development). There are currently 120 undergraduate majors. The Graduate Program has Ph.D. degrees in Applied Mathematics and Pure Mathematics, and M.S. Degrees in Applied Statistics and Mathematics Education. There are currently 40 Ph.D. students and 50 M.S. students.

The Statistics Group offers an M.S. degree in Applied Statistics, a Ph.D. in Mathematics with a specialization in Statistics, and a Ph.D. degree in Biostatistics (jointly with the Department of Biostatistics in the IU School of Public Health). The Statistics Group has on-going seminars in which local and visiting researchers give talks on their current work. To find out more about IUPUI's department, go to its [website here.](#)

junior faculty from neuroscience, biomedical engineering, radiology, statistics, and applied mathematics. We may consider a limited number of applications from senior faculty.

[Details here.](#)

Challenges in Computational Neuroscience Opening Workshop

When: August 17-21, 2015

Where: RTP, NC

Deadline to apply: **June 15, 2015**

[Details here.](#)

Statistics and Applied Mathematics in Forensic Science Opening Workshop

When: August 31-September 4, 2015

Where: RTP, NC

Deadline to apply: **July 10, 2015**

[Details here.](#)

NISS and SAMSI

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