

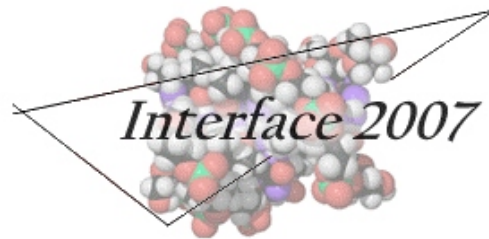
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Center for Computational Statistics
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4400 University Drive
Fairfax, VA 22030-4444

**FIRST ANNOUNCEMENT
and
CALL FOR PARTICIPATION**

**39th Symposium on the Interface:
Computing Science and Statistics**

**Theme:
Systems Biology**

**May 23-26, 2007
DoubleTree Hotel
Philadelphia, PA**



Sponsored by
Interface Foundation of North America, Inc.

Hosted by
Center for Statistical and Information Science
Department of Statistics
Center for Information Science and Technology
Temple University

Sponsors
ASA Section on Statistical Computing
ASA Section on Statistical Graphics

Cooperating Organizations
ASA, CSNA, ENAR, IASC, IMS,
INFORMS, SIAM, WNAR

This symposium is a long-standing forum focusing on the
interface between computing science and statistics.

Non-Profit Organization
U.S. Postage
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Permit No. 1532

An Invitation

The Interface Foundation of North America cordially invites you to participate in the 39th Interface Symposium, the premier annual conference on the interface of computing and statistics. The Foundation is a non-profit educational corporation founded in 1987 to sponsor the symposium and publish the proceedings. For further information about IFNA, visit our website at <http://www.galaxy.gmu.edu/stats/IFNA.html>.

Call for Participation

Sessions will include invited, refereed, and contributed paper sessions. **Individuals who wish to participate in a contributed session should submit an abstract by 1st February 2007.** Full instructions and other informational issues can be found at the conference website <http://sbm.temple.edu/interface07>.

Accommodations

Accommodations will be at the DoubleTree Hotel, which is located at Broad Street at Locust Street, Philadelphia, Pennsylvania 19107. The hotel is located on the Avenue of the Arts (Broad Street) in the heart of Center City. Contact the hotel directly at (215) 893-1663 or (800) 222-TREE. Reduced rates are available at the DoubleTree. Mention that you are attending the Interface Symposium when booking your room.

The Preliminary Program:

Invited Sessions and Organizers

The theme of Interface 2007 is Systems Biology. Systems Biology, through its focus on providing researchers quantitative information to explain the relationships between cellular environments and higher biological functions, uses database technology, computational systems, and statistical methodology to change the way we study biology. The lessons learned by those who work in Systems Biology have provided new approaches to those working at diagnosing and treating diseases.

The 2007 Symposium will include a strong scientific expository flavor emphasizing applied problems and synergy among solutions across biological areas. The program has invited sessions that will maximize opportunities for professional interactions not only among statisticians and computational scientists, but also biological scientists and others representing agencies and institutions facing challenging problems related to the theme of systems biology.

The Keynote Speaker is David Botstein of Princeton University, who will talk on **How the Genome and the Computer Have Changed Biological Science.** In addition, there will be two short courses offered on May 23. The list of invited sessions and organizers is given below.

Invited Program:

- Genetic Association Studies**
Charles Kooperberg, University of Washington
- Genomic Analysis Across Platforms**
Giovanni Parmigiani, Johns Hopkins University
- Computational and Statistical Methods for Genome-Wide Studies of Biological Systems**
Sandrine Dudoit, University of California, Berkeley
- Statistical Methods in Proteomics**
Francoise Seillier-Moisewitsch, Georgetown University
- Computational Analysis of Gene Regulation**
Vincent Carey, Harvard Medical School
- Roles of Protein Intrinsic Disorder in Interaction Networks**
Keith Dunker, Indiana University
- Proteomic Data Analysis**
Slobodan Vucetic, Temple University
- Indexing and Search in Biological Data**
Mohammed J. Zaki, Rensselaer Polytechnic Institute
- Providing Biological "Confidence" From Computational Analyses**
Gregory E. Gonye, Thomas Jefferson University
- Metagenome Informatics**
Hongwei Wu and Ying Xu, University of Georgia
- Methods for Integrating Disparate Molecular Datasets for Prediction**
Peter White, Children's Hospital of Pennsylvania
- Computational Techniques for Structural Genomics**
Daisuke Kihara, Purdue University
- Immunological Proteomics**
Keith Baggerly, MD Anderson Cancer Center
- Integrative Systems Biology in Cancer Research**
Ramana V. Davuluri, Ohio State University
- Predicting Genetic Networks From Microarray Data**
Grace S. Shieh, Academia Sinica, Taiwan
- Data Fusion**
Frank Hsu, Fordham University and
Amy Braverman, JPL
- Statistical Methods for Genetic Association Studies**
Gang Zheng, NHLBI
- Modeling of Ethanol Abuse and HIV/AIDS**
Yasmin H. Said, George Mason University
- Systems Approaches for Alcohol Use Modeling**
Yasmin H. Said, George Mason University
- JCGS Highlights**
Luke Tierney, University of Iowa and
David van Dyk, University of California, Irvine
- IASC Session: Current Issues in Statistical Biocomputing**
Michael G. Schimek, Medical University of Graz, Austria
- Best of SIAM Data Mining 2007**
Vipin Kumar
- Best of CAMDA 2006**
Patrick McConnell, Duke University
- Tutorial**
Arnold Goodman, University of California,

Short Courses:

**Computational Systems Biology of Cancer:
Measuring, Mining, and Modelling**
Bud Mishra, New York University

**Copy-Number Variation in the Genome:
Technologies, Statistics, and Applications**
Simon Tavare, University of Southern California

Program Chair: Alan J. Izenman
Temple University

Co-chair: Zoran Obradovic
Temple University

Philadelphia, Pennsylvania

About Philadelphia

Philadelphia is famous as the birthplace of life, liberty, and the pursuit of happiness. There are cultural, culinary, artistic, and ethnic treasures within the city and its surrounding countryside. There are world-class museums in and around the city, such as the Philadelphia Art Museum, the Barnes Foundation, the Rodin Museum, the Franklin Institute, the Academy of Natural Sciences, the Norman Rockwell Museum, and the Institute of Contemporary Art. You can also visit the Philadelphia Zoo. You can take tours of Independence Hall (the birthplace of both the Declaration of Independence and the Constitution), the National Constitution Center, the Liberty Bell Center, and the Betsy Ross House; you can visit the Italian Market, the Reading-Terminal Market, and South Street; you can hike around the Schuylkill River Trail and Valley Forge National Historical Park; and you can savor an authentic Philly cheesesteak. Philadelphia is currently implementing a city-wide WiFi initiative so that high-speed Internet can be accessed free at numerous locations within the city.

Philadelphia Weather

The normal daily temperature range in Philadelphia in May is 54°-73° F (12°-23° C). Average rainfall in May is 3.8" with about 11 days of rain during the month.

Some Websites of Interest

http://www.gophila.com
http://www.wirelessphiladelphia.net
http://www.onebigcampus.com/
http://www.phillyfunguide.com
http://www.philadelphia.com

The Preliminary Conference Schedule

Date	Events
Wed. May 23	Registration begins Interface ½ day Short Courses: Short Course I: Computational Systems Biology of Cancer: Measuring, Mining, and Modelling (8:00 a.m. - noon) Bud Mishra, Departments of Computer Science and Mathematics Courant Institute, New York University, NY Short Course II: Copy-Number Variation in the Genome: Technologies, Statistics, and Applications (1:30 p.m. - 5:30 p.m.) Simon Tavare, Departments of Mathematics and Preventive Medicine University of Southern California Los Angeles, CA Evening Mixer (8:00 p.m. - 10:00 p.m.)
Thurs. May 24	Keynote Address <i>How the Genome and the Computer Have Changed Biological Science</i> (8:00 a.m. - 9:45 a.m.) David Botstein Princeton University Technical sessions begin (10:30 a.m. - 5:45 p.m.) Conference Banquet (7:00 p.m. - 10:30 p.m.) Speaker: <i>A View of Systems Biology From 30,000 Feet</i> Richard Klavans SciTech Strategies, Inc.
Fri. May 25	Technical sessions continue (8:00 a.m. - 5:45 p.m.)
Sat. May 26	Technical sessions continue (8:00 a.m. - noon)

Registration Fees

Please note that all registration fees are given in US Dollars.

Registrants*	before March 30 th	on or after March 30 th
I. Members of Interface	335.00	450.00
II. Members of Cooperating Organizations	375.00	525.00
III. Non-Members	450.00	630.00
IV. Students	150.00	210.00
IV. Single Day Registrations (Member or Non-member, no banquet ticket)	170.00	240.00
Additional Banquet Tickets	65.00	90.00

*includes one banquet ticket unless otherwise noted

Short Course Fees

Interface Short Courses I and II	I or II	I and II
I. Members	165.00	225.00
II. Non-members	225.00	350.00
III. Students	75.00	100.00

Getting around in Philadelphia

Philadelphia International Airport (PHL) serves arrivals and departures for international and domestic flights. It is located just 7 miles (11 km) from the center of Philadelphia. Ground transportation at Philadelphia International Airport is readily available and includes rail, bus, taxis, and shuttle bus and limousine services. Philadelphia is laid out in a basic grid pattern. SEPTA operates a large fleet of buses throughout the city and suburbs. The city is served by two subway lines: the Market-Frankford (east-west) and Broad Street (north-south). Because the streets are narrow in Center City, traffic is often congested and travel on foot or by taxi is recommended. There are historical tours, which include Victorian trolleys, double-decker buses, and horse-drawn carriages.

Registration Form

Mail this form to: Interface 2007
P.O. Box 7460
Fairfax Station, VA 22039.7460

Name: _____
 ___ I want to join Interface NOW. \$35

Job Affiliation: _____

Job Address: _____

Telephone: _____
 E-mail address: _____

Conference Fees . . .

- I. Member before/after March 30th \$335/450
- II. Member (Co-op) before/after March 30th \$375/525
- III. Non-Member before/after March 30th \$450/630
- IV. Student before/after March 30th \$150/210
- V. Single Day before/after March 30th \$170/240

Short Course Fees . . .

- I. Member both/one Short Course(s) \$225/165
 - II. Non-member both/one Short Courses \$350/225
 - III. Student both/one Short Course \$100/75
- If only one Short Course circle the appropriate one:
 Short Course I Short Course II

___ Guest Banquet Tickets @ \$65/90 each

Total Amount Enclosed _____
 Make checks payable to Interface. No refunds are available after March 31, 2007. Interface accepts Visa, MasterCard, and Discover. Returned checks and/or denied credit cards will be re-billed with a \$30 surcharge.

Name as appears on card: _____

Billing address: _____
 (if different from above)

Type of card (Visa, MC, or Discover only): _____

Card number (including 3 digit authorization code): _____

Expiration date: _____