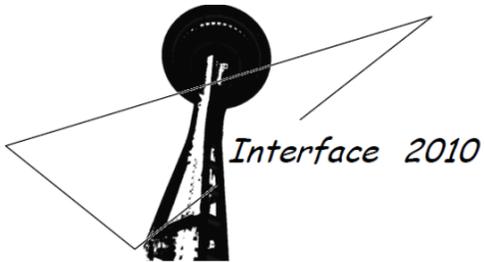**FIRST ANNOUNCEMENT
and
CALL FOR PARTICIPATION**

**41st Symposium on the Interface:
Computing Science and Statistics**
Theme:
**Computational Statistics
and Human Behavior**

June 16-19, 2010
Westin Hotel, Seattle, Washington

Interface 2010

Interface 2010

Sponsored by
The Interface Foundation of North America

Hosted by
George Mason University

Financial Sponsors
ASA Section on Statistical Computing
ASA Section on Statistical Graphics
National Institute of Statistical Science

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.

An Invitation

The Interface Foundation of North America cordially invites you to participate in the 41st 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. IFNA also co-publishes the *Journal of Computational and Graphical Statistics*. For further information about IFNA visit our web site at http://www.interfacesymposia.org.

Call for Participation

In 2010 we are focusing on modern problems related to the conjunction of computational statistical methods and the modeling of human, societal, and cultural behaviors. With the emergence of social networking software and the dramatically increased interest in understanding societal behavior and cultural behaviors, computational tools such as agent-based modeling and simulation and social network analysis have attracted considerable attention in academic circles as well as more clinical and applied settings. The 2010 Interface will focus on traditional computational statistics topics with an awareness of how our computational tools can enhance the quantitative and computational studies in the social sciences.

We invite papers and presentations from all areas of statistics, computer science and application areas relevant to modern social science data analysis. However, submissions need not be limited to social science applications, but can include all of the traditional topics covered in the Interface traditions. Discipline scientists are often at the frontier of work with new data types and we encourage them share their problems and solutions with us whether or not those solutions appeal to traditional statistical or data mining methods.

Sessions will include invited, special focus, refereed, and contributed paper sessions.

Invited sessions are organized by members of the Program Committee and designed to cover both the depth and breadth of current research related to the theme. See the section below on the Invited Program.

Special focus sessions are new this year: any participant can organize a special focus session on the topic of their choice by submitting a set of four or five abstracts related to the topic. The Program Chairs will review the abstracts and endeavor to keep the papers together in a devoted session. **Individuals who wish to propose a special focus session should submit their titles and abstracts by March 1, 2010**.

Refereed paper sessions offer participants the opportunity to develop their research records with a relatively rapid review process. Refereed contributions are to be full, conference-style papers (not to exceed 12 pages) **submitted by April 1, 2010.** Refereed papers which are accepted as such will be collected into special sessions and speakers will be given a full 30 minutes to present their results - the same as invited speakers. Papers submitted as

refereed, but not accepted as such will still be part of the contributed program.

Contributed sessions will be organized by the Program Chairs from contributed abstracts, which are **due by April 15, 2010**. Depending on participation level, it is possible that some contributed authors may be asked to prepare poster presentations.

Full instructions and an abstract submission form are available on the conference web site, **http://www.interfacesymposia.org/Interface2010/**. The proceedings will be published, for Interface 2010 in the form of a CD-ROM and online. Former page restrictions have been raised and color illustrations, animations, data, and software source code will be allowed.

Financial Support

Limited funds may be available to support travel and per diem expenses with preference given to young researchers and graduate students. Highest priority will be given to those who will be presenting papers or posters. **Request for financial support should be made electronically by April 15, 2010 via the form available on the conference web site.**

Accommodations and Air Discounts

Accommodations and all sessions will be at the Westin Hotel in Seattle. The Westin is located at 1900 5th Avenue, Seattle, Washington 98101, which is in the city center of Seattle. It is ideally situated near Seattle's best attractions and offers breathtaking views of Lake Union, Puget Sound, and the surrounding mountains. The facility is near the famous Space Needle linked to it by a monorail. The nightly rate will be $149 plus tax. **A limited number of rooms are reserved and Interface participants should make reservations as early as possible**. Guest room reservations for attendees can be made either online: **http://www.starwoodmeeting.com/Book/InterfaceFoundation2010** or by calling The Westin Reservations Department 1-206-728-1000 , or through the Central Reservations office in U.S. and Canada at 1-888-627-8513. The Group will be listed as INTERFACE FOUNDATION OF NORTH AMERICA in their reservations system. Interface has arranged for discounted tickets on Alaska Airlines offering 7% discount with discount code ECCMB1268 and on American Airlines offering 5% discount with discount code 4760AT.

Transportation from the Airport

Buses are free during daylight hours in the downtown Seattle area. The major airport is Seattle-Tacoma International Airport (SEA). Seattle's new Link light rail serves the airport, and the Westlake stop is two blocks from the Westin; peak service is every 7.5 minutes. The Seattle Downtown Airporter offers bus transportation between the airport and eight major hotels including The Westin. Tickets can be purchased from Gray Line of Seattle, online or at the airport. Service is every 30 minutes. Shuttle Express offers shared-ride service; reservations can be made online, or walk-in at the airport. For attendees traveling in groups of 2 or 3, a taxi can be an economical alternative transportation between the

airport and The Westin in Seattle. Ride the monorail from the Westin, through the Experience Music Project/Science Fiction Museum, to the Space Needle, with views from 520 feet of Seattle, Puget Sound and the Olympic and Cascade Mountains.

The Preliminary Program:
Invited Sessions and Organizers

Keynote Address: Adrian E. Raftery *(University of Washington)*

- 21st Century Applications of Agent-Based Models, *Yasmin H. Said (George Mason)*
- Computational Epidemiology Applications to Public Health *Yasmin H. Said (George Mason)*
- Computational and Statistical Issues in Agent-Based Models, *Georgiy Bobashev (RTI International)*
- Uncertainty in Simulation Modeling, *Georgiy Bobashev (RTI International)*
- Computational Social Science, *Adrian Raftery (Washington)*
- Sampling and Inference for Hidden Networked Populations *Mark Handcock (UCLA)*
- Recent Computational Topics in Astrostatistics *Rebecca Nugent (CMU)*
- Model Selection Problems in Kernel-Based Methods with Applications *Hamparsum Bozdogan (Tennessee)*
- Robust Methods in Regression *David Scott (Rice)*
- Separating the Wheat from the Chaff - Feature Selection in High-Dimensional Regression *Tim Hesterberg (GOOGLE)*
- Computationally Intense Inverse Problems *C. Shane Reese (Brigham Young)*
- Learning from Proximity Data *Michael W. Trosset (Indiana)*
- Computer Models, Virtual Laboratories *Stephan R. Sain (NCAR)*
- All at See: Snapshots of Modern Visualization Research *Antony Unwin (Augsburg)*
- Visualizing Intrusion Detection Data *Rida Moustafa (dMining Technology)*
- JCGS Highlights: Graphical Methods *David van Dyk (Cal, Irvine)*
- Non-English Text Data Mining Via the Vector Space Model *Jeffrey Solka (NSWC)*
- Interfacing Text Mining and Image Analysis *Adi Wilhelm (Jacobs)*
- Quantitative Horizon Scanning *David Marchette (NSWC)*
- Computing on Streams *William F. Szewczyk (NSA)*
- Statistical Analysis and Data Mining: Exploring the Future of Their Interface *Arnold Goodman (Collaborative Data Solutions)*
- Statistical Analysis and Data Mining: Novel Data, Reordering and Graphics *Arnold Goodman (Collaborative Data Solutions)*
- Bayesian Data Mining and Clustering *Roy Welsch (MIT)*

Short Courses:

- **Tim Gulden** *Agent-Based Modeling and Simulation*
- **Edward J. Wegman**, *Statistical Natural Languages and Text Mining*

The Preliminary Conference Schedule

Date	Events
Wed. June 16	Registration begins Interface ½ day Short Courses: **Short Course I:** Agent-Based Modeling and Simulation (8:00 a.m. - noon) Tim Gulden, George Mason University **Short Course II:** *Statistical Natural Languages and Text Mining* (1:30 p.m. - 5:30 p.m.) Edward Wegman, George Mason University Evening Mixer (8:00 p.m. – 10:00 p.m.)
Thurs. June 17	Keynote Address (8:00 a.m. - 9:45 a.m.) Technical sessions begin (10:30 a.m. - 5:45 p.m.) Conference Banquet (7:00 p.m. – 10:30 p.m.)
Fri. June 18	Technical sessions continue (8:00 a.m. - 5:45 p.m.)
Sat. June 19	Technical sessions continue (8:00 a.m. - noon)

About Seattle

The founding of Seattle is usually dated from the arrival of the Denny Party in 1851. The next April, Arthur A. Denny abandoned the original site for a better protected site on Elliott Bay that is now part of downtown Seattle. Seattle in its early decades relied on the timber industry, shipping logs and milled timber to San Francisco. The logging town developed rapidly over decades into a small city. Despite being officially founded by the Methodists of the Denny Party, Seattle quickly developed a reputation as a wide-open town, a haven for prostitution, liquor, and gambling. On July 14, 1873 the Northern Pacific Railway announced that they had chosen the then village of Tacoma over Seattle as the Western terminus of their trans-continental railroad. This set up a continuing rivalry between Tacoma and Seattle. Seattle made several attempts to build a railroad of its own. The Great Northern Railway finally came to Seattle in 1884. The early Seattle era came to a halt with the Great Seattle Fire of June 6, 1889. Started by a glue pot, the fire burned 29 city blocks almost entirely wooden buildings. It destroyed nearly

the entire business district, all of the railroad terminals, and all but four of the wharves.

Modern Seattle rose from the ashes and has become the major metropolitan area in the Pacific Northwest. Some things to do besides Interface 2010 include **The Space Needle** with a 41-second elevator ride taking you up 520 feet to the observation deck from the 1962 World's Fair. The **Pike Place Market,** born 1907, is the granddaddy of farmers' markets. Today, it's a major tourist attraction with 200 businesses operating year-round, plus street performers and musicians. **Ferries** are a state of mind as much as a means of transportation to some of the Puget Sound's most historic and scenic sites with views of the Olympic and Cascade mountains, the Seattle cityscape and the green shorelines. The **Underground Tour:** After the Great Seattle Fire of 1889, the city was rebuilt over the top of the ruins. This guided tour takes visitors through the hidden subterranean passages that once were the main roadways and storefronts of old downtown Seattle. The **Olympic Sculpture Park**, on the downtown waterfront, offers outdoor art set against views of the Olympic Mountains. The **Boeing Museum of Fligh**t, 8 miles S of downtown, is a must for air buffs. The **Ballard Locks** are the busiest locks in the U.S. (come watch the mayhem), and offer underwater windows of migrating salmon.

Program Chairs:
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Registration Fees
(IN US DOLLARS)

REGISTRANTS** : (INCLUDES ONE BANQUET TICKET)	BY MAY 1	AFTER MAY 1
MEMBERS OF INTERFACE	$275	$325
MEMBERS OF COOPERATING ORGANIZATIONS	$325	$375
NON-MEMBERS	$385	$440
STUDENTS	$125	$150
SINGLE-DAY (W/O BANQUET)	$125	$150
BANQUET TICKET	$50	$65

REGISTRATION FORM

MAIL TO: Interface, PO Box 7460, Fairfax Station, VA 22039
FAX TO: (703) 993-1700 attn: Elizabeth Quigley
ENQUIRIES: Elizabeth Quigley (703) 993-9107

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___I WANT TO JOIN INTERFACE NOW $35

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JOB ADDRESS _____

*_____

PHONE: _____

EMAIL ADDRESS: _____

CONFERENCE FEES
☐ MEMBER (INTERFACE) $275 / $325

☐ MEMBER (COOPERATING) $325 / $375

☐ NON-MEMBER $385 / $440

☐ STUDENT $125 / $150

☐ SINGLE DAY $125 / $150
   (NO BANQUET TICKET)

GUEST BANQUET
   TICKETS @ $50 / $65 EACH $_____

TOTAL (CHECK ENCLOSED) $_____

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Returned checks or denied credit cards will be rebilled with $30 surcharge. Make checks payable to Interface. No refunds are available after May 1, 2010. Interface will accept Visa, MasterCard, Discover, and American Express. If you wish to use a credit card please include the name, billing address, type of card, card number, the three- or four digit security code (found on the signature line on the back of the card), and expiration date of the credit card. Note: the regular registration includes a banquet ticket; student and one-day registration does not. In order to take a short course, one must be registered for the Symposium.

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4400 University Drive
Fairfax, VA 22030

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