

JM 2004 PROGRAM



Toronto, Ontario, Canada
August 8-12

sponsored by:
American Statistical Association
Institute of Mathematical Statistics
International Biometrics Society
Eastern North American Region
Western North American Region
Statistical Society of Canada

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Author of SYSTAT version 1*

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*-Grant Blank
Professor of Sociology
American University*

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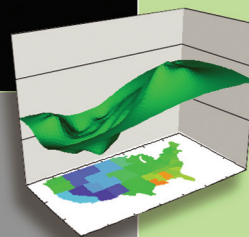
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Premier of Ontario – Premier ministre de l'Ontario

August 8 – 12, 2004

A PERSONAL MESSAGE FROM THE PREMIER

On behalf of the Government of Ontario, I am delighted to extend warm greetings to everyone attending the 2004 Joint Statistical Meetings (JSM) of the American Statistical Association (ASA).

The ASA has a proud history. For well over a century, the ASA has remained faithful to its mission of promoting excellence in statistical practice, application and research. I commend everyone association with this worthwhile organization for your hard work and your commitment to enhancing your profession.

I am confident that the theme of this year's JSM, "Statistics as a Unified Discipline," will provide a forum for fresh, innovative ideas and engage participants in meaningful and insightful dialogue. As you gather with colleagues from across North America, it is an ideal opportunity to share knowledge and professional expertise.

To those of you who are first-time visitors to Toronto — I am pleased to welcome you to Canada's largest, most diverse city. I hope you find the time to enjoy the stellar attractions and unique events offered in Toronto while you are here.

It took a great deal of effort to organize an event of this calibre. I extend my appreciation to all those who devoted so much of their time and energy to making the 2004 JSM memorable for so many people.

Please accept my sincere best wishes for a successful and productive meeting.

A handwritten signature in black ink, reading "Dalton McGuinty".

Dalton McGuinty
Premier



Mayor
DAVID MILLER

A Message from the Mayor

It is my pleasure to extend greetings and a warm welcome to all delegates attending the American Statistical Association Annual Meeting.

The meeting promises to be informative and educational and with insightful sessions and networking activities, it provides an opportunity for the exchange of knowledge and ideas, discussions on issues of mutual interest or concern, and the reconnection with friends and colleagues.

Whether you are a frequent or first time visitor to Toronto, you have an opportunity to enjoy our unmatched hospitality. I invite you to take time from your busy schedule to explore colourful neighbourhoods that reflect our cultural diversity, enjoy international cuisine, world-class entertainment, our vibrant theatre district, and discover some of the attractions our unique and exciting city has to offer.

On behalf of Toronto City Council, I congratulate the organizers of this event, and offer my best wishes to everyone for a most enjoyable and successful annual meeting.

Yours truly,

A handwritten signature in black ink that reads "David Miller". The signature is written in a cursive, flowing style.

Mayor David Miller



MEETING ROOM LOCATIONS

Meeting Rooms

The Program has labeled the meeting rooms with “letters” preceding the name of the room, designating in which facility the room is located:

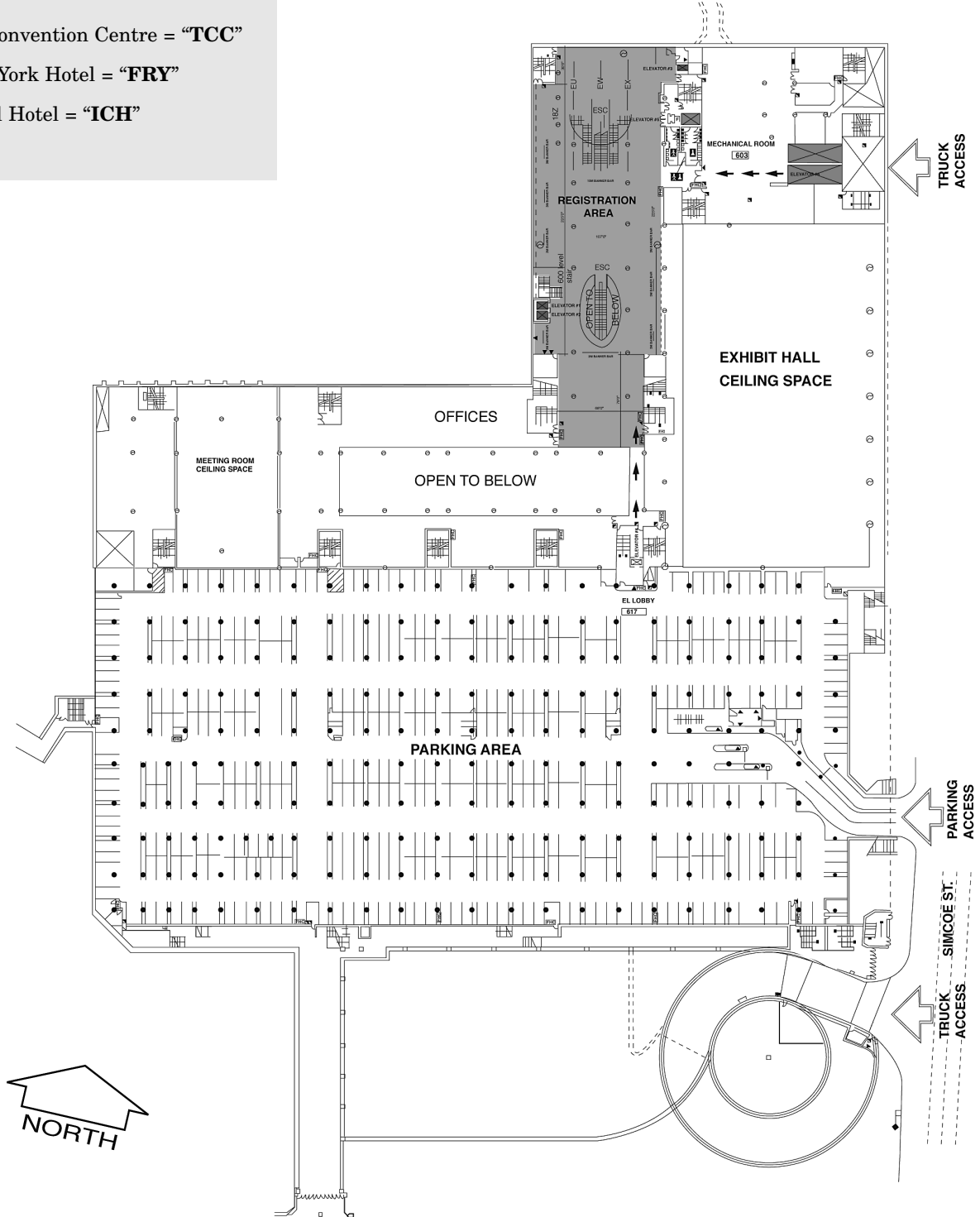
Metro Toronto Convention Centre = “**TCC**”

Fairmont Royal York Hotel = “**FRY**”

InterContinental Hotel = “**ICH**”

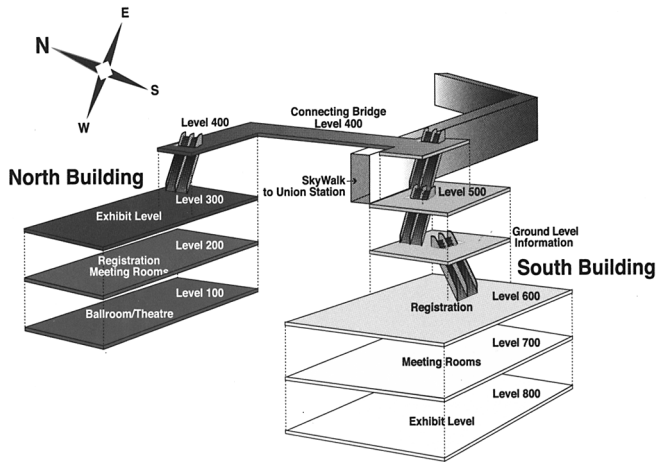
METRO TORONTO CONVENTION CENTRE (TCC) — 600 LEVEL

600 Level – JSM Registration Area

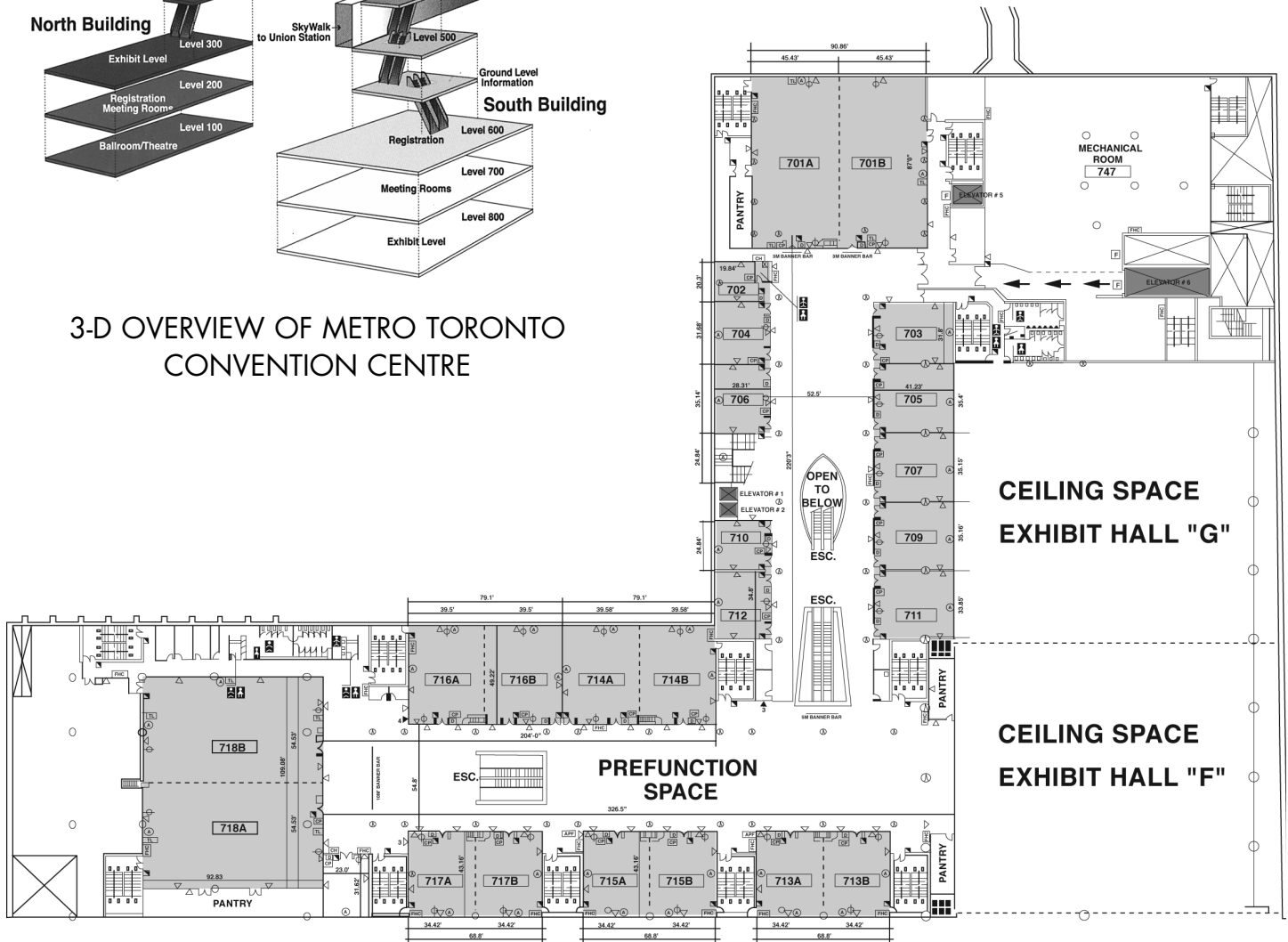


METRO TORONTO CONVENTION CENTRE (TCC) – 700 LEVEL

700 Level – Technical Sessions
Meeting Rooms 701-718

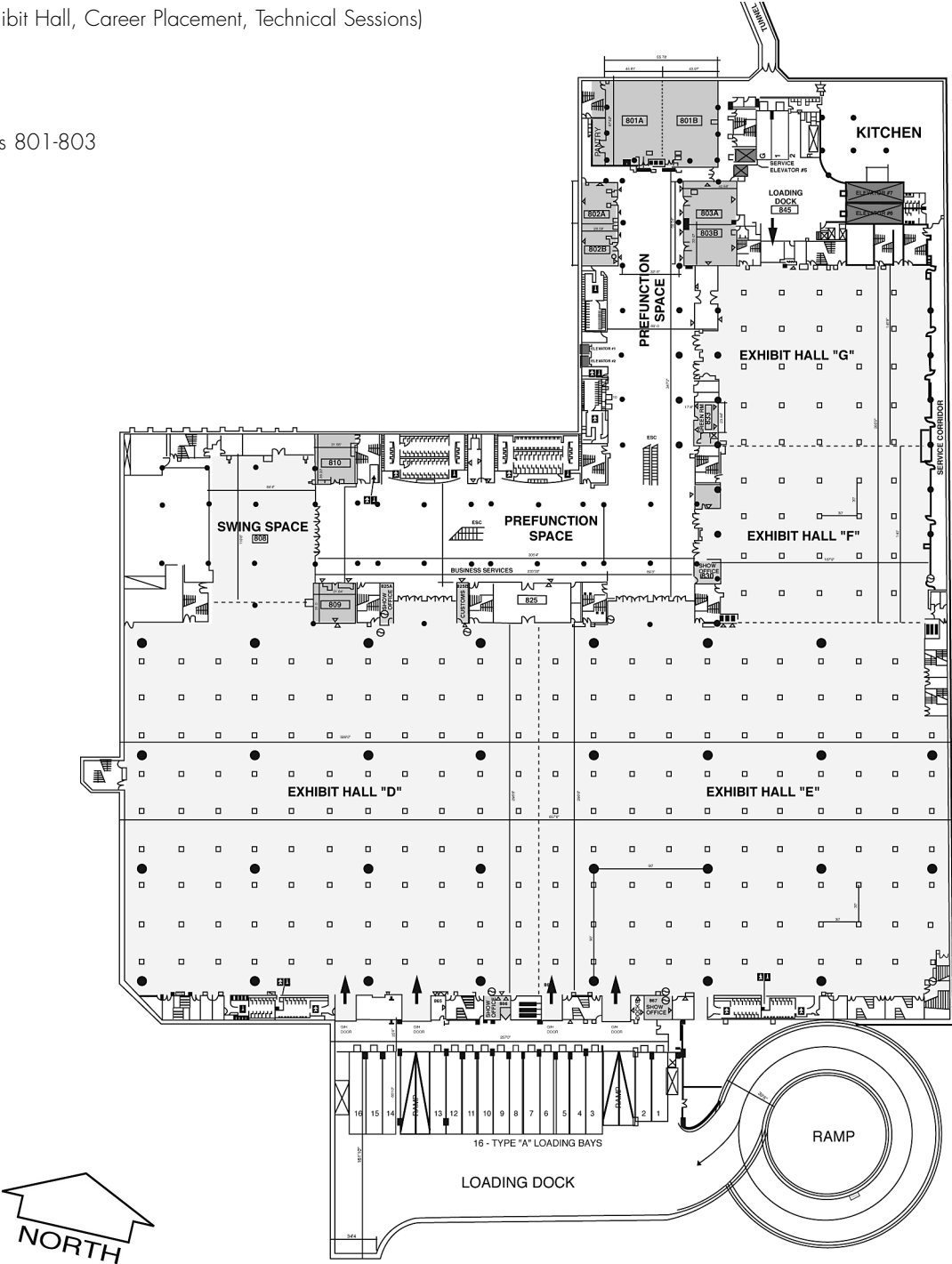


3-D OVERVIEW OF METRO TORONTO CONVENTION CENTRE



METRO TORONTO CONVENTION CENTRE (TCC) — 800 LEVEL

- 800 Level (Exhibit Hall, Career Placement, Technical Sessions)
- Exhibit Hall E
- Exhibit Hall F
- Exhibit Hall G
- Meeting Rooms 801-803



JSM 2004

IMS

Member Social



Time and Date

Monday, August 9
5:15p.m.-6:45p.m.

Fairmont Royal York,
Salon A

All IMS members are welcome.

This is an opportunity to see old friends, network with colleagues and relax in an intimate setting. Appetizers and drinks will be served.

If you wish to join the IMS, but haven't, please come by the reception and we will have applications available, or you can join online at www.imstat.org



JSM 2004

IMS

Welcome Reception



Time and Date

Tuesday, August 10
5:15p.m.-6:45p.m.

Fairmont Royal York,
Confederation 3

New Members, New Graduates and Students

All members who have joined the IMS during the past two years, all IMS New Graduate members and all IMS student members are encouraged to attend. Appetizers and an open bar will be available.

If you wish to join the IMS, but haven't, please come by the reception and we will have applications available, or you can join on-line at www.imstat.org



Last year's New Members' Reception at JSM San Francisco

you are invited to the JSM **FIRST-TIME ATTENDEE** program and reception

Sunday, August 8

5:30 - 7:30 pm

Niagara/Ontario Room, InterContinental Toronto Centre

Panel Topics:

How to navigate in the academic world, presented *by Linda Young* (University of Florida)

Insights of a statistician in a governmental agency, presented *by Elizabeth Margosches* (USEPA)

Becoming a statistician in the industry, presented *by Stacy Lindborg* (Eli Lilly and Company)

OPEN TO ALL

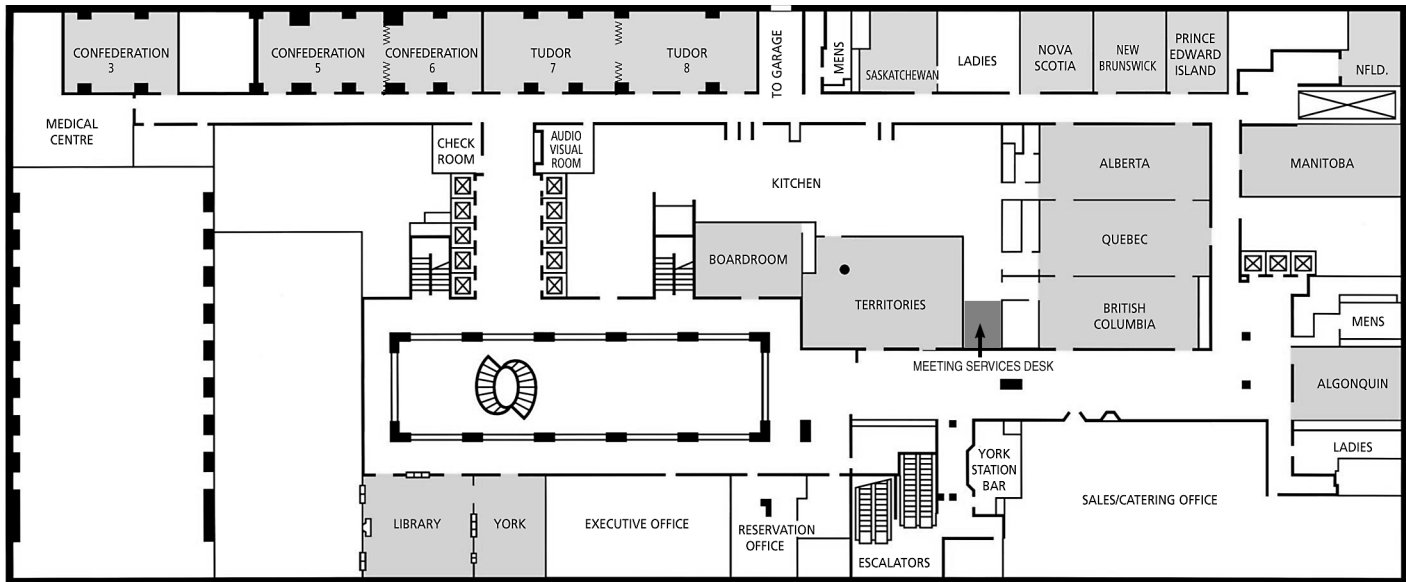
Dinner groups will form
after the reception.



This reception is cosponsored by
ASA, ENAR, IMS, SSC, WVAR, the Caucus for Women in Statistics,
the American Statistical Association Committee on Women in Statistics,
the American Statistical Association Committee on Career Development
and the International Chinese Statistical Association.

FAIRMONT ROYAL YORK (FRY) – MAIN MEZZANINE

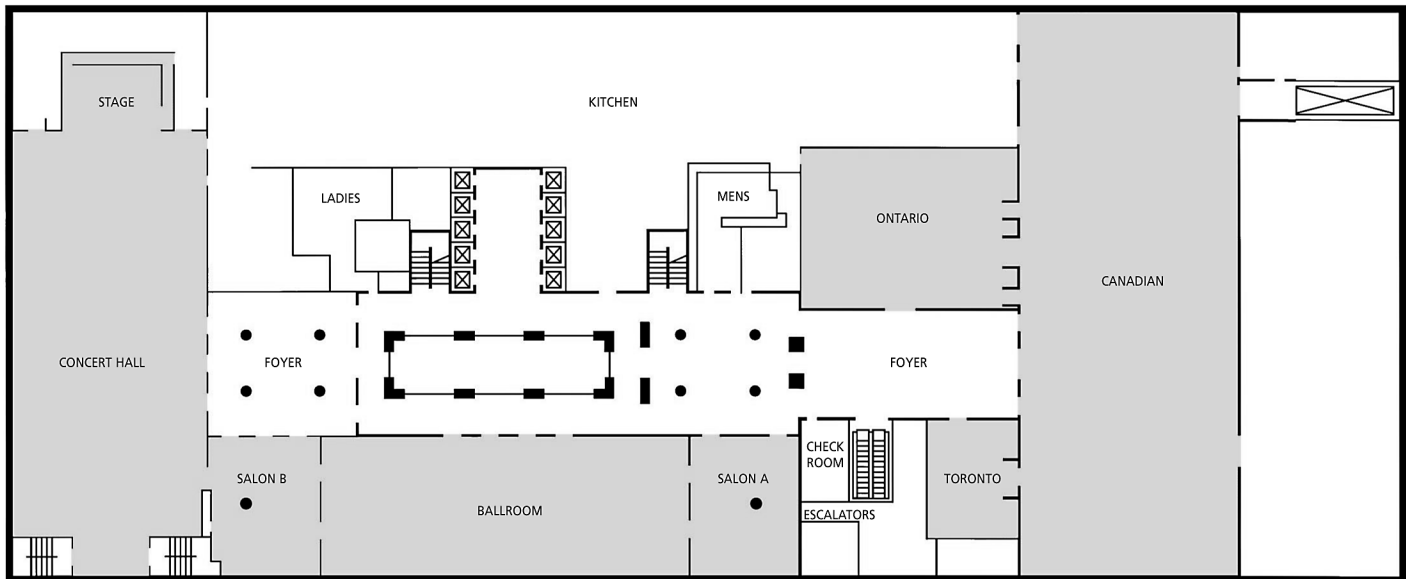
- | | | | |
|---------------------|--------------------------------|----------------------|-------------|
| Alberta | Library | Nova Scotia | Tudor 7 & 8 |
| Boardroom | Manitoba | Prince Edward Island | York |
| British Columbia | Meeting Services Desk – (CE | Quebec | |
| Confederation 3 | Pre-registration Pick-up Area) | Saskatchewan | |
| Confederation 5 & 6 | New Brunswick | Territories | |



18TH FLOOR - Upper Canada

FAIRMONT ROYAL YORK (FRY) – CONVENTION FLOOR

- | | | | | |
|----------|----------|---------|-------------|---------|
| Ballroom | Canadian | Ontario | Salon A & B | Toronto |
|----------|----------|---------|-------------|---------|



INTERNATIONAL BIOMETRIC SOCIETY

Internationale Biometrische Gesellschaft

Société Internationale de Biométrie

An International Society devoted to the Mathematical and Statistical Aspects of Biology

<http://www.tibs.org/>

The International Biometric Society, founded in 1947, is an international organization for the advancement of the subject-matter sciences through the development of quantitative theories and the development, application, and dissemination of effective mathematical and statistical techniques.

Purpose. To this end, it welcomes to membership biologists, statisticians, and others interested in applying statistical techniques to research data. The International Biometric Society and its journal, *Biometrics*, serve as an invaluable means of communication between the subject matter specialists and the statisticians.

Journal. *Biometrics* is published quarterly. Its general focus is to promote and extend the use of mathematical and statistical methods in subject matter disciplines by describing and exemplifying developments in these methods and their applications in pure and applied sciences, ranging from agriculture/fisheries to environmental sciences to health sciences. For over 50 years, the journal has been at the forefront of statistics and mathematics in the biological sciences and was the second most highly-cited journal in the mathematical sciences during the decade 1991-2001, according to *Science Watch*.

JABES. *The Journal of Agricultural, Biological and Environmental Statistics*. Published quarterly and produced jointly by the International Biometrics Society and the American Statistical Association. The purpose of *JABES* is to contribute to the development and use of statistical methods in the agricultural sciences, the biological sciences including biotechnology, and the environmental sciences including sciences dealing with natural resources.

Meetings. Encouragement is given the subject matter experimenter by holding symposia dealing with applied statistics as a part of annual meetings of the biological, chemical, engineering, and physical science societies. Such symposia afford an opportunity for subject matter specialists and statisticians to discuss problems of mutual interest. At Regional meetings of the Society, a member is afforded an opportunity to present technical papers. This permits the exchange of ideas and information through formal presentation and informal contacts with fellow statisticians and experimentalists.

Biometric Bulletin. The International Biometric Society also publishes an informal newsletter containing news about membership activities, letters to the editor, and membership and editorial commentaries. It is a means for expressing ideas on a wide range of statistical and biometrical matters and is also published quarterly.

Membership. The annual membership dues include a subscription to *Biometrics* and the *Biometric Bulletin*. Annual dues are determined separately by each Region and Group and paid to the Regional Treasurer or National Secretary. The membership includes dues paid by each Region and Group to the Central Business Office covering the cost of *Biometrics* and the *Biometric Bulletin*. Information about the Society and the Regional and Group activities can be obtained from the appropriate Regional or National Secretary or from the Business Office. Completed applications should be sent to the appropriate Regional or National Secretary. See the IBS web site <http://www.tibs.org/> for addresses.

ENAR: Eastern North American Region <http://www.enar.org/>

ENAR Spring Meetings are typically held in March and include Short Courses, Tutorials, Roundtable Luncheons, Student Award Competition, Poster Sessions, a Diversity Workshop, and a Junior Researchers Workshop. The 2005 Spring Meeting will be held in Austin, Texas, March 20-23 at the Hilton Austin Hotel.

WNAR: Western North American Region <http://www.wnar.org/>

WNAR Meetings are typically held the last week of June and provide an excellent venue for new researchers and students to present their work and to make professional contacts. Special events at WNAR meetings include a New Researcher's Luncheon and a Student Paper Competition. The 2005 meeting will be held in Fairbanks, Alaska. WNAR is offering free student memberships on a trial basis until the end of 2005.

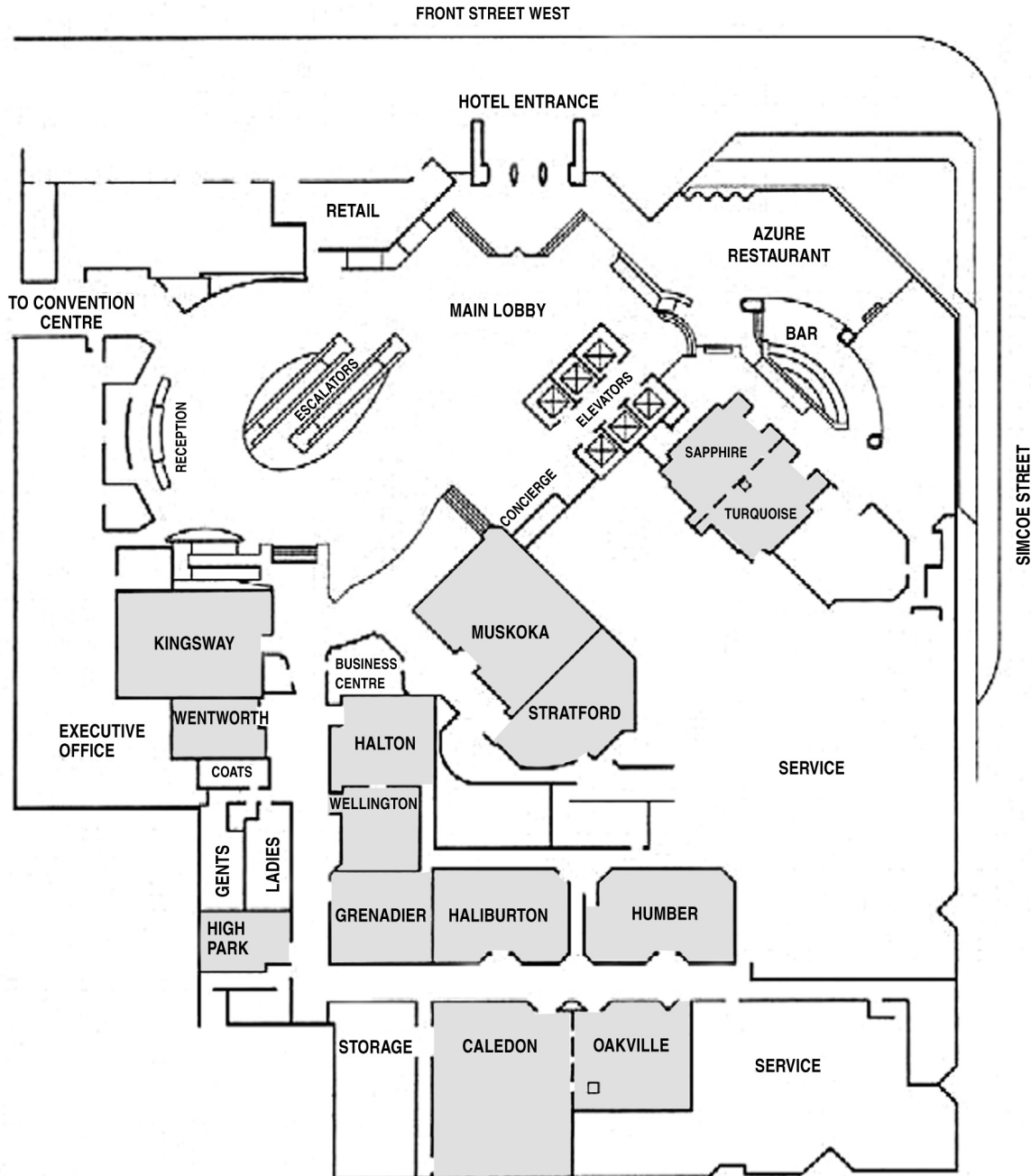
INTERCONTINENTAL TORONTO CENTRE (ICH) — MAIN LOBBY

Caledon
Grenadier
Haliburton

Halton
High Park
Humber

Kingsway
Oakville
Wellington

Wentworth





Statistical Society of Canada Société statistique du Canada

SSC

Statistical Society of Canada

– a long standing participant
in the *JSM*.

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SSC Reception –
check the program
for details.

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INTERCONTINENTAL TORONTO CENTRE (ICH) — LOWER LEVEL

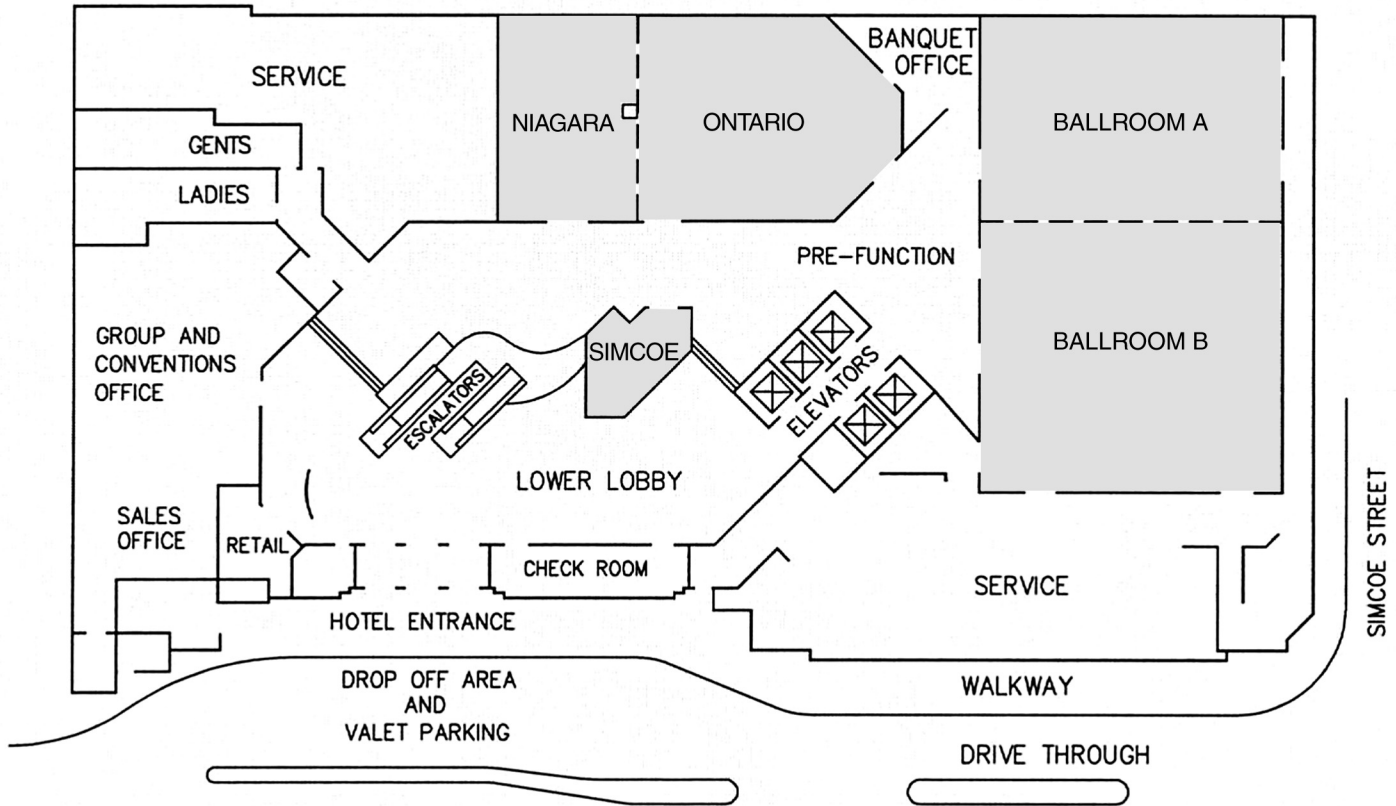
Ballroom A

Ballroom B

Niagara

Ontario

Simcoe



American Statistical Association

MARKETPLACE

SATURDAY, August 7
12 noon to 5 p.m.

SUNDAY, August 8—WEDNESDAY, August 11
9 a.m. to 5 p.m.

THURSDAY, August 12
8 a.m. to 10:30 a.m.

CUPS • HATS • SHIRTS

CHILDREN'S SHIRTS • JSM SHIRTS • PENS • and more

LOCATED IN THE MAIN REGISTRATION AREA!



Housing Map and Hotel Listings

1 Fairmont Royal York
 100 Front Street West
Continuing Education, COC/COS activities, and committee and social activities

2 InterContinental Toronto Centre
 225 Front Street West
Speaker roundtable luncheons, and committee and social activities

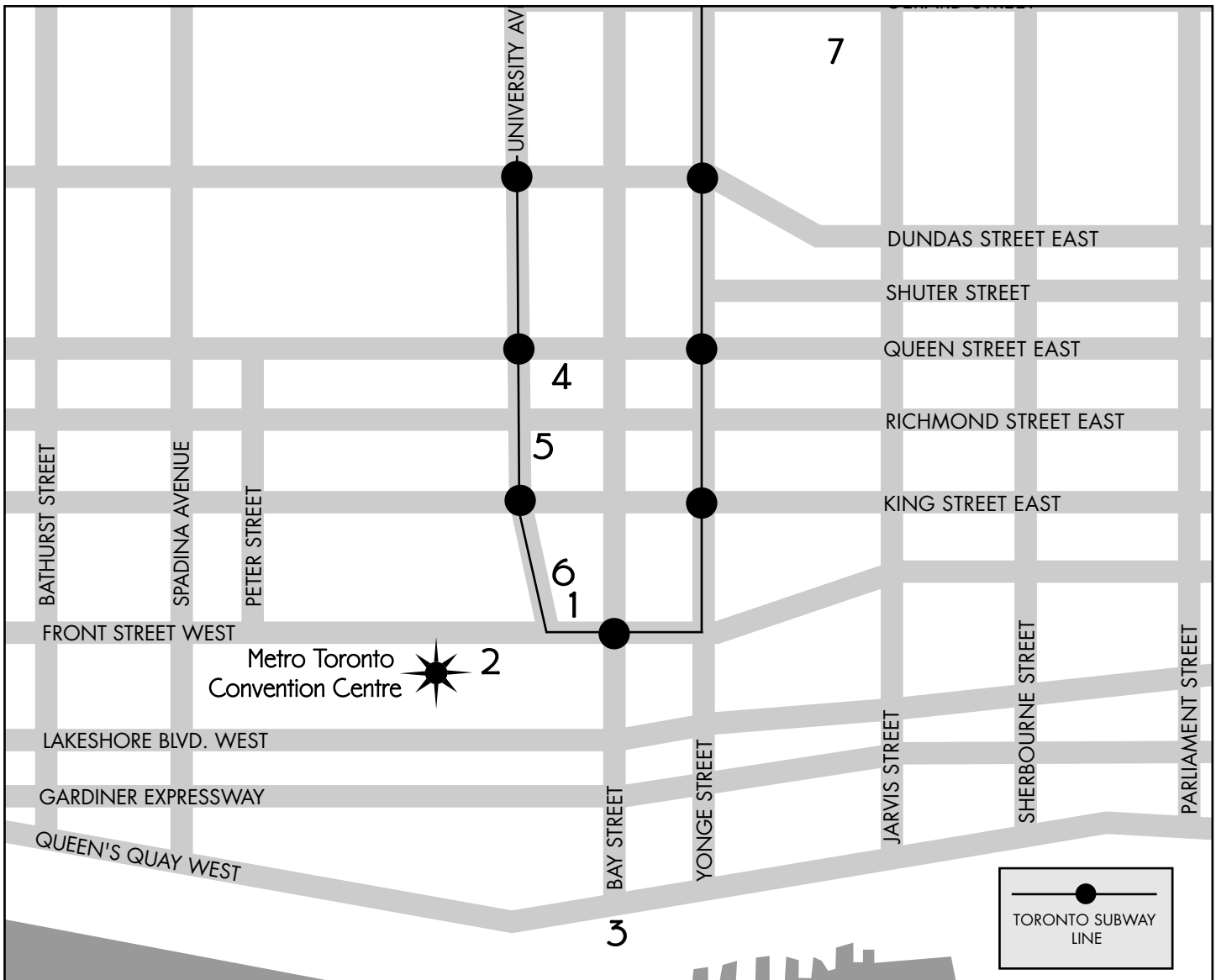
3 Westin Harbour Castle
 One Harbour Square
No scheduled activities

4 Sheraton Centre Toronto
 123 Queen Street West
No scheduled activities

5 Hilton Toronto
 145 Richmond Street West
No scheduled activities

6 Strathcona Hotel
 60 York Street
No scheduled activities

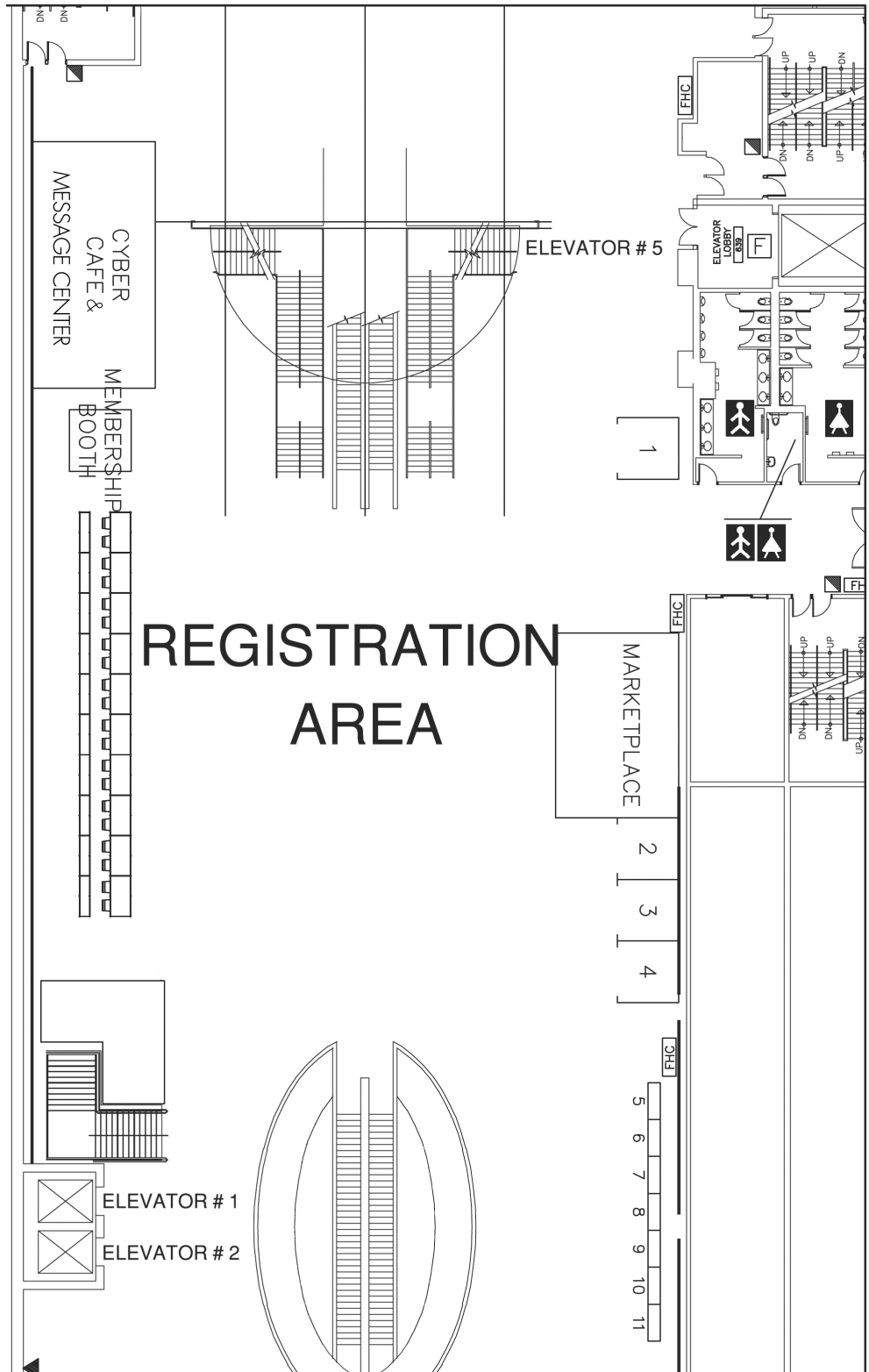
7 Pitman Hall Residence at Ryerson University
 160 Mutual Street
No scheduled activities



JSM REGISTRATION AREA

JSM Registration Area Floor Plan and Society Booths

- 1 ASA Continuing Education
- 2 ASA Council of Sections
- 3 ASA Council of Chapters
- 4 ASA Career Development
- 5 Statistical Society of Canada
- 6 International Statistical Institute
- 7 International Chinese Statistical Association
- 8 International Indian Statistical Association
- 9 Gay and Lesbian Statisticians Caucus
- 10 The Caucus for Women in Statistics
- 11 Federal Committee on Statistical Methodology



Emergency Telephone Messages

The general conference telephone number is (416) 585-3819. This will connect you to the JSM Special Assistance Desk and should only be used for emergency purposes. Emergency messages will be posted in the electronic JSM Message Center located in the Registration Area at the Metro Toronto Convention Centre South. All other calls or messages should be left in the attendee's guestroom on his/her voicemail.

Convention Hotels

The main phone numbers for the convention hotels are:

Fairmont Royal York
(416) 368-2511

InterContinental Toronto Centre
(416) 597-1400

Westin Harbour Castle
(416) 869-1600

Sheraton Centre Toronto Hotel
(416) 361-1000

Hilton
(416) 869-3456

Strathcona
(416) 363-3321

Ryerson University
(416) 979-5296

Assistance for the Disabled

If you have a disability that may impede your participation, please contact a staff member at the Special Assistance Desk on the 600 Level of the Metro Toronto Convention Centre South.

Child Care

Improv Care will provide childcare at JSM. Caregivers will come directly to your hotel room; the rate is \$25 CAD per hour (a little over \$18 USD) and there is a three-hour minimum. Improv Care services promise your child an enriched and interactive care delivered in a fun and respectful way. It is also the premier child care company in North America and is a member in good standing with the Toronto Convention and Visitors Bureau. Visit www.improvcare.ca or contact them directly by phone, (416) 243-3285,

or email, info@improvcare.ca, for more information. The Caucus for Women in Statistics will provide a subsidy toward three hours of babysitting per family for up to 14 families. If you are interested, please contact Mariza de Andrade, Caucus for Women in Statistics President, at mandrade@mayo.edu.

Electronic Devices

Please turn off all cell phones, pagers, and other electronic devices before attending any JSM session. These devices cause interference with the audiovisual equipment and are a distraction to the session speaker and attendees.

No Smoking Policy

For the comfort and health of all attendees, smoking is not permitted at any JSM function. This includes plenary sessions, concurrent session, workshops, luncheons, and receptions (unless the event is outside).

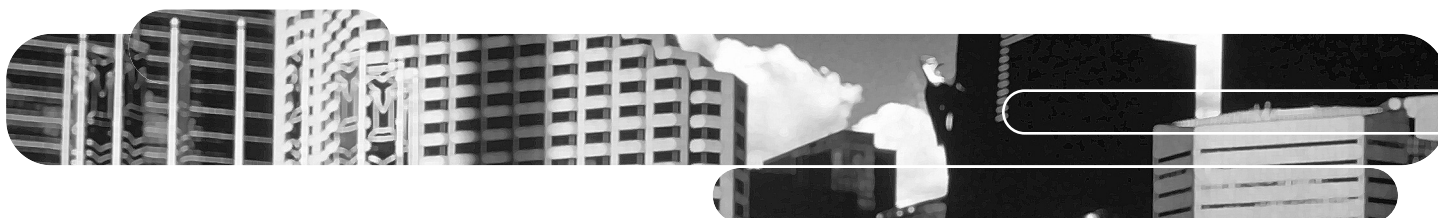
Photographs and Video-taping

Taking photographs or using video equipment in any session or at any JSM event is prohibited, and violators will be asked to leave. This is a disruption for the speakers, a distraction for the audience, and an infringement on intellectual property rights. Only the official JSM photographer will be authorized to take photographs.

Recycling at JSM

Your participation can make the difference. You can help by separating recyclables in your room and placing all recyclable items in the bins available around the Fairmont Royal York and InterContinental Toronto Centre areas and at the Metro Toronto Convention Centre. Also, simply choose not to print at the Cyber Café and Message Center to help us continue our efforts to conserve. If you have additional questions, please stop by the Special Assistance Desk at the Metro Toronto Convention Centre Registration Area.





Invited Poster Session

TCC-Exhibit Hall E

Invited posters will be showcased Sunday, August 8, 6:00 p.m.–7:50 p.m. The session is designed for the display of state-of-the-art statistical technology. Details are available in the general program schedule. Authors are assigned a poster board corresponding to the number in the program and will remain for the allotted time.

Poster Sessions

TCC-Exhibit Hall E

Regular and topic-contributed poster sessions are held Monday, Tuesday, and Wednesday from 9:00 a.m.–10:50 a.m. and from 12:00 noon–1:50 p.m. These sessions are designed for the display of graphical materials, charts, printouts, etc., rather than the text of the paper. Details are available in the general program schedule. Authors are assigned a poster display area corresponding to the number in the program and will remain for the allotted time.

Introductory Overview Lectures

The Introductory Overview Lectures are a series of talks on a variety of topics. No pre-registration is necessary and they are open to all JSM registrants. If you have suggestions for next year, please contact 2005 JSM Program Chair Daniel Heitjan (dheitjan@cceeb.upenn.edu).

Sunday, August 8, 4:00 p.m.–5:50 p.m. ICH-Ballroom B
Session 30

Proteomics: A New Field for Statistical Involvement

Monday, August 9, 8:30 a.m.–10:20 a.m. TCC-718A
Session 60

Bayesian Methods in Business

Monday, August 9, 10:30 a.m.–12:20 p.m. TCC-701A
Session 91

Sequential and Adaptive Methods in Modern Statistics—Real-life Applications

Tuesday, August 10, 8:30 a.m.–10:20 a.m. TCC-718B
Session 168

Bayesian Statistical Computation and Its Applications

Late-Breaking Sessions

The JSM partner societies recently approved two additional session slots for special invited late-breaking sessions to cover important topics that might emerge close in time to each JSM. This is an exciting addition to the JSM program, most of which is organized well in advance.

Tuesday, August 10, 2:00 p.m.–3:50 p.m. TCC-718A
Session 250

Statistical Issues in Forensic Bullet-Lead Evidence

Wednesday, August 11, 10:30 a.m.–12:20 p.m. TCC-718A
Session 315

The Latest Report to NSF on Funding Statistical Research and Education: Challenges and Opportunities

Business and Committee Meetings

All meetings are open unless shown as “closed” or “by invitation only.” Section business meetings are open to all and members are urged to attend. The business meetings of ASA Sections provide the opportunity to give suggestions on Section business.

Opening Mixer

TCC – Exhibit Hall G

Don't miss your chance to get JSM 2004 off to a great start and enjoy refreshments with your colleagues. Join us Sunday, August 8, 8:00 p.m.–10:30 p.m. We will see you there!

Student Mixer

ICH-Ballroom A

Student registrants can enjoy refreshments, meet their peers, and make plans for local events and outings at this Mixer, Monday, August 9, 6:00 p.m.–7:00 p.m. The 2004 Student Mixer is sponsored by the ASA Committee on Membership Retention and Recruitment. A number of door prizes will be given away. Students, you don't want to miss it!

Society Business Meetings

You are encouraged to attend your society business meetings at JSM. This is your chance to give your input to the officers and other members of your society.

American Statistical Association

Sunday, August 8, 6:00 p.m.–7:30 p.m. TCC-801 A

International Biometric Society, ENAR Business Meeting

Tuesday, August 10, 5:30 p.m.–6:30 p.m. ICH-Niagara

IMS Welcome Reception for New Members, Students, and New Graduates

Tuesday, August 10, 5:15 p.m.–6:45 p.m. FRY-Confederation 3

Statistical Society of Canada

Monday, August 9, 5:00 p.m.–7:00 p.m. ICH-Grenadier

Before Leaving JSM...

Recycling Badge Holders

JSM badges and badge holders will be collected for recycling. Please place those you are not reusing in a designated bin at the Registration Area.

2004 JSM Proceedings

Order your JSM 2004 Proceedings in advance! Order forms are available at the ASA Membership booths in the JSM Registration Area and in EXPO 2004. CDs will mail in January 2005.

Would you like to publish your presentation in the 2004 Proceedings? Eligibility guidelines and author instructions for JSM 2004 presenters are available at www.amstat.org/meetings/jsm/2004; click the Program tab and select "Proceedings." Submissions must be in electronic format; the submission site will open August 1, 2004.

JSM 2005

The 2005 Joint Statistical Meetings will be held in Minneapolis, Minnesota, August 7-11, 2005, at the Minneapolis Convention Center. Preliminary information on JSM 2005 can be found at the Minneapolis Booth #419 in EXPO 2004. The complete listing of the 2005 Program Committee and instructions on the submission of contributed papers appeared in the June issue of *Amstat News*; this information is still available at www.amstat.org/meetings/jsm/2005.

If You Are Not A Member...

Information about the American Statistical Association, the Eastern and Western North American Regions of the International Biometric Society, the Institute of Mathematical Statistics, and the Statistical Society of Canada will be available at the society booths located in the JSM Registration Area or in the Exhibit Hall at the Metro Toronto Convention Centre. Publications and other materials will also be on display. If you are not a member, pick up an application form today. Each society provides a variety of publications and activities to anyone interested in applied or theoretical aspects of statistics in many different disciplines. Student memberships are offered at substantially reduced rates.

If you are not already a member of the ASA, join now and receive a \$15 discount on a full-year regular ASA membership. This offer is not applicable to student, senior, or other discounted memberships. Return your completed application and payment of \$70 to one of the ASA Booths by Thursday, August 12, at 10:00 a.m., to receive your discount. Make an investment in your career and begin enjoying all membership benefits right away by joining today!

ASA Membership Booth Hours TCC-600 Level

Saturday, August 7	7:00 a.m.–6:00 p.m.
Sunday, August 8	7:00 a.m.–8:30 p.m.
Monday, August 9	7:30 a.m.–6:00 p.m.
Tuesday, August 10	7:30 a.m.–4:30 p.m.
Wednesday, August 11	7:30 a.m.–4:30 p.m.
Thursday, August 12	7:30 a.m.–10:30 a.m.

ASA Exhibit Booth Hours TCC-Hall E, Booth 225

Sunday, August 8	1:00 p.m.–6:00 p.m.
Monday, August 9	9:00 a.m.–6:00 p.m.
Tuesday, August 10	9:00 a.m.–6:00 p.m.
Wednesday, August 11	9:00 a.m.–2:00 p.m.



HOURS OF OPERATION

Registration

All persons attending JSM, including participants in the program, are required to register. Materials for all those who registered in advance are available at the JSM Registration Desk, located on the 600 Level at the Metro Toronto Convention Centre South. You may also add Continuing Education Courses, Career Placement Service registration, tours, guests, or luncheons to your JSM registration at the JSM Registration Desk. Hours of operation:

Saturday, August 7	7:00 a.m.–6:00 p.m.
Sunday, August 8	7:00 a.m.–8:30 p.m.
Monday, August 9	7:30 a.m.–6:00 p.m.
Tuesday, August 10	7:30 a.m.–4:30 p.m.
Wednesday, August 11	7:30 a.m.–4:30 p.m.
Thursday, August 12	7:30 a.m.–10:30 a.m.

JSM registration includes the Program and Abstract Books, access to the Exhibit Hall, and admission to the Sunday night Opening Mixer (dry snacks, beer, and soft drinks), the Monday evening Student Mixer (students only), and the Informal Dance Party on Tuesday evening (dancing, dry snacks, and cash bar). If you did not purchase luncheon tickets with your advance registration, ask at the JSM Registration Desk for availability. Limited seating is still available for some luncheons. Tickets will be sold until 2:00 p.m. on the day prior to the scheduled luncheon.

ASA Continuing Education Courses

Courses will be held in various rooms at the Fairmont Royal York Hotel. For room assignments, please review the program or visit the Meeting Services Desk on the Main Mezzanine Level at the Fairmont Royal York Hotel, or the Special Assistance Desk on the 600 level of the Metro Toronto Convention Centre South.

Onsite CE Registration: Go to the JSM Registration Desk, located on the 600 Level of the Metro Toronto Convention Centre South. Availability may be limited, and textbooks will not be available.

NEW IN 2004! Pre-registered Pick-up: As a convenience to those who pre-registered for a Continuing Education Course or Computer Technology Workshop by July 22, 2004, you may pick up your JSM and course registration materials at either the JSM Registration Desk at the Metro Toronto Convention Centre OR at the Fairmont Royal York Hotel on the Main Mezzanine Level at the Meeting Services Desk. The pre-registered pick-up area is **only** for those who registered for their course(s) by July 22 **and** have no balance due or changes to make to their registration. All changes must be made at the JSM Registration area on the 600 Level of the Metro Toronto Convention Centre South. Pre-registered pick-up hours are:

Saturday, August 7	7:00 a.m.–4:00 p.m.
Sunday, August 8	7:00 a.m.–4:00 p.m.
Monday, August 9	7:00 a.m.–4:00 p.m.
Tuesday, August 10	7:00 a.m.–12:00 noon

Speaker Work Rooms

TCC-702, FRY-Prince Edward Island

There will be two Speaker Work Rooms this year, one at the Metro Toronto Convention Centre South on the 700 Level in Room 702, and one at the Fairmont Royal York Hotel located on Main Mezzanine Level in the Prince Edward Island room. Hours of operation (both locations):

Saturday, August 7	7:00 a.m.–6:00 p.m.
Sunday, August 8	7:00 a.m.–6:00 p.m.
Monday, August 9	7:00 a.m.–6:00 p.m.
Tuesday, August 10	7:00 a.m.–6:00 p.m.
Wednesday, August 11	7:00 a.m.–6:00 p.m.
Thursday, August 12	7:00 a.m.–10:30 a.m.

A Speaker Work Room is available for all presenters. There will be two stations available: one with an overhead projector and screen and one with a data projector and screen. To accommodate more than 2,300 presenters, **each speaker will be limited to 10 minutes to test the equipment.** Please rehearse your verbal presentation in the privacy of your hotel room to ensure that everyone has a chance to test the equipment.

Presenters using laptops for presentations are encouraged to report to the Speaker Work Room for training on how to properly connect to the data projector. Audiovisual technicians will be available to assist with questions or problems.

Career Placement Service

TCC-Hall F

The JSM 2004 Career Placement Service will be located in the Metro Toronto Convention Centre, Hall F. Hours of operation:

Saturday, August 7

Job Posting and Resume Submission Only 9:00 a.m.–5:00 p.m.

Sunday, August 8

Job Posting and Resume Submission Only 9:00 a.m.–11:00 a.m.

Full Career Placement Service Open 1:00 p.m.–6:00 p.m.

Monday, August 9

Full Career Placement Service Open 8:00 a.m.–6:00 p.m.

Tuesday, August 10

Full Career Placement Service Open 8:00 a.m.–6:00 p.m.

Wednesday, August 11

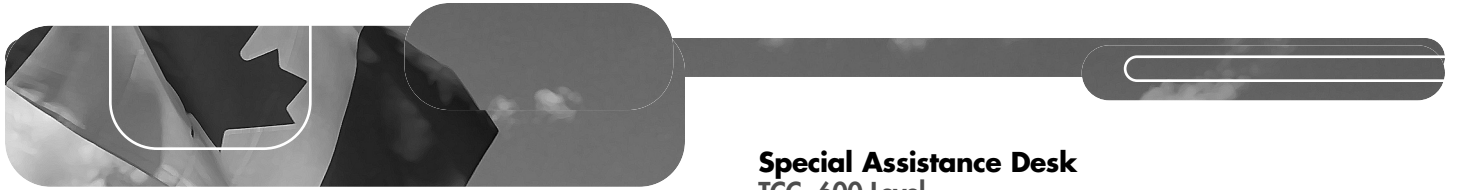
Full Career Placement Service Open 8:00 a.m.–6:00 p.m.

(Onsite registration closes at noon)

Thursday, August 12

Full Career Placement Service Open 8:00 a.m.–10:00 a.m.

(Browsers allowed for a \$10 fee)



EXPO 2004

TCC-Hall E

Visit publishers, software companies, and recruiters. See state-of-the-art products designed for the statistical community.

Hours of operation:

Exhibitors Move in and Out Information

Saturday, August 7 (Exhibitor move-in only)	8:00 a.m.–5:00 p.m.
Sunday, August 8 (Exhibitor move-in only)	8:00 a.m.–11:00 a.m.
Wednesday, August 11 (Exhibitor move-out only)	2:00 p.m.–8:00 p.m.

Show Hours of Operation

Sunday, August 8	1:00 p.m.–6:00 p.m.
Monday, August 9	9:00 a.m.–6:00 p.m.
Tuesday, August 10	9:00 a.m.–6:00 p.m.
Wednesday, August 11	9:00 a.m.–2:00 p.m.

Cyber Café and Message Center

TCC-600 Level

There will be some terminals designated in the Message Center for internet access. The Cyber Café and electronic Message Center are for registered JSM attendees and are located in the JSM Registration Area on the 600 Level at the Metro Toronto Convention Centre South. There will NOT be 24-hour access to the Cyber Café and Message Center. To reach a JSM attendee when the Message Center is closed, please call his or her hotel directly. Hours of operation:

Saturday, August 7	7:00 a.m.–11:00 p.m.
Sunday, August 8	7:00 a.m.–11:00 p.m.
Monday, August 9	7:00 a.m.–11:00 p.m.
Tuesday, August 10	7:00 a.m.–11:00 p.m.
Wednesday, August 11	7:00 a.m.–11:00 p.m.
Thursday, August 12	7:00 a.m.–10:30 a.m.

ASA Marketplace

TCC-600 Level

The ASA Marketplace is your store for JSM and ASA souvenirs. Purchase your official JSM 2004 T-shirt, great new gifts, and clearance items. Look for new shirt designs! Hours of operation:

Saturday, August 7	12:00 noon–5:00 p.m.
Sunday, August 8	9:00 a.m.–5:00 p.m.
Monday, August 9	9:00 a.m.–5:00 p.m.
Tuesday, August 10	9:00 a.m.–5:00 p.m.
Wednesday, August 11	9:00 a.m.–5:00 p.m.
Thursday, August 12	8:00 a.m.–10:30 a.m.

Special Assistance Desk

TCC- 600 Level

Information on activities in Toronto, Ontario, Canada, local restaurants, attractions, a local map, and organized tours are available at the Special Assistance Desk on the 600 Level at the Metro Toronto Convention Centre South, in the JSM Registration AREA.

Saturday, August 7	7:00 a.m.–6:00 p.m.
Sunday, August 8	7:00 a.m.–8:30 p.m.
Monday, August 9	7:30 a.m.–6:00 p.m.
Tuesday, August 10	7:30 a.m.–4:30 p.m.
Wednesday, August 11	7:30 a.m.–4:30 p.m.
Thursday, August 12	7:30 a.m.–10:30 a.m.

Guest Services Desk

TCC-Entrance of South Building

The Metro Toronto Convention Centre will provide a guest services desk located in the main lobby area of the South Building entrance at the Centre. This desk will provide information on the Centre, the city, and Toronto. Attendants will also offer directions, provide maps, and suggest restaurants, local activities, and attractions. Hours of operation will be:

Saturday, August 7	7:00 a.m.–6:00 p.m.
Sunday, August 8	7:00 a.m.–8:30 p.m.
Monday, August 9	7:30 a.m.–6:00 p.m.
Tuesday, August 10	7:30 a.m.–4:30 p.m.
Wednesday, August, 11	7:30 a.m.–4:30 p.m.
Thursday, August 12	7:30 a.m.–10:30 a.m.

Press Desk

TCC- 600 Level

Saturday, August 7	7:00 a.m.–6:00 p.m.
Sunday, August 8	7:00 a.m.–8:30 p.m.
Monday, August 9	7:30 a.m.–6:00 p.m.
Tuesday, August 10	7:30 a.m.–4:30 p.m.
Wednesday, August 11	7:30 a.m.–4:30 p.m.
Thursday, August 12	7:30 a.m.–10:30 a.m.

ASA Council of Sections/Council of Chapters Booth, Careers in Statistics Booth and ASA Education Booth

TCC-600 Level

Saturday, August 7	12:00 p.m. – 5:00 p.m.
Sunday, August 8	12:00 p.m. – 5:00 p.m.
Monday, August 9	9:00 a.m. – 5:00 p.m.
Tuesday, August 10	9:00 a.m. – 5:00 p.m.
Wednesday, August 11	9:00 a.m. – 5:00 p.m.
Thursday, August 12	8:00 a.m. – 10:30 a.m.

President's Invited Address

The Romance of Hidden Components – David Donoho, Stanford University

Monday, August 9, 2004

4:00 p.m.–5:50 p.m.

David L. Donoho, an Anne T. and Robert M. Bass Professor in the Humanities and Sciences at Stanford University, will present “The Romance of Hidden Components.” Donoho received his AB summa cum laude from Princeton, where his senior thesis adviser was John Tukey. He received his PhD from Harvard, where his thesis adviser was Peter Huber.



Deming Lecturer

Deming and Bell Labs – Colin L. Mallows, Avaya Labs

Tuesday, August 10, 2004

4:00 p.m.–5:50 p.m.

Mallows, a department head at Bell Labs for almost 20 years, received the AT&T Technology Medal, the company's highest honor. Mallows has published more than 140 papers. His interests include the foundations of statistics, data analysis, statistical graphics, time series, robustness, software reliability, moment-problems and Chebychev inequalities, combinatorics, and coding theory.

ASA Presidential Address

Bayesians, Frequentists, and Scientists – Bradley Efron, Stanford University

Tuesday, August 10, 2004

8:00 p.m.–9:30 p.m.

Currently a professor of statistics and biostatistics at Stanford University, Efron works on a combination of theoretical and applied topics, including empirical Bayes, survival analysis, exponential families, bootstrap and jackknife methods, and confidence intervals. He has given the Rietz, Wald, and Fisher lectures and was awarded the Wilks Medal, Parzen Prize, Rao Prize, and the outstanding statistician award from the ASA Chicago Chapter.



COPSS Fisher Lecture

Causal Inference Using Potential Outcomes: Design, Modeling, Decisions – Donald B. Rubin, Harvard University

Wednesday, August 11, 2004

4:00 p.m.–5:50 p.m.

The Lectureship honors a leading statistician who has contributed to scientific investigation through the development and promotion of statistical methods. Rubin, a John L. Loeb Professor of Statistics at Harvard University, is recognized for his numerous and innovative contributions to modern missing data methods, the development of the EM algorithm and multiple imputation, and Bayesian statistics, as well as his very substantial overall impact on applied data analysis.

* **NOTE:** The time for this presentation was incorrectly listed in the JSM Registration Book. The lecture will begin promptly at 4:00 p.m.

JSM2004 PROGRAM COMMITTEE



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Harvard University



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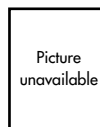
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**American Statistical
Association**
1429 Duke Street
Alexandria, VA
22314-3415
Email: jsm@amstat.org
www.amstat.org

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William B. Smith, Executive Director
American Statistical Association
1429 Duke Street
Alexandria, VA 22314-3415
Phone: (703) 684-1221
Fax: (703) 684-6456
Email: asainfo@amstat.org
Web site: www.amstat.org

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Ottawa, ON Canada K1Z 7S8
Phone: (613) 725-2253
Fax: (613) 729-6206
Email: ssc@thewillowgroup.com
Web site: www.ssc.ca

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Joanna Shih

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Lance Waller

2003-2005

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Roderick Little

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Ghosh, Amy Herring, Tom Loughin,

Jared Lunceford, Jeffrey Morris, Kerrie

Nelson, Frank Roesch, Helen Zhang

Programs

2004 Joint Statistical Meetings

Chair **Paul Rathouz**

2005 Joint Statistical Meetings

Chair **Naisyin Wang**

2004 Spring Meeting–Pittsburgh, Pennsylvania

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Program Chair **Thomas R. Ten Have**

2005 Spring Meeting–Austin, Texas

Program Chair **A. John Bailer**

Program Co-chair **Maura Stokes**

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Xihong Lin

Biometric Bulletin Editor

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ENAR Correspondent for the *Biometric Bulletin*

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Section U, Statistics

Aparna Huzurbazar

Section O, Agriculture

Ahman Shafii

National Institute of Statistical Sciences

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Business Office

CSE

12100 Sunset Hills Road, Suite 130

Reston, VA 20190

Phone: **(703) 234-4130**

Fax: **(703) 435-4390**

Email: **enar@enar.org**

Web site: **www.enar.org**

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WNAR Membership Services
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1730 Minor Avenue, Suite 1900
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Business Office

Elyse R. Gustafson, Executive Director
PO Box 22718
Beachwood, OH 44122
Phone: (216) 295-2340
Fax: (216) 921-6703
Email: ims@imstat.org
Web site: www.imstat.org

American Statistical Association



OPEN MEETING

Bradley Efron, ASA President

Sunday, August 8, 2004, 6 p.m.

Find out what your association is doing!

Come to the open meeting, meet your officers, hear about the following items, among others, and voice your opinions about the ASA:

- Areas of strategic focus
- New trends in statistics research
- Update on ASA finances
- ASA development activities
- Board of Directors task force objectives, including plans for member access to *CIS*, a possible new journal, and outreach activities

Please plan to attend and lend your voice to the discussion of important issues affecting the future of the ASA.

The 15th annual

GERTRUDE COX SCHOLARSHIP RACE

5K Race and 2.5K Fun Run/Walk Tuesday, August 10

The Caucus for Women in Statistics, in conjunction with the ASA, presents the 15th annual Gertrude Cox Scholarship Race at the Joint Statistical Meetings in Toronto, Ontario, Canada. All proceeds will benefit the Gertrude M. Cox Scholarship in Statistics.

The Race: There will be two races running concurrently, a competitive 5K race and a 2.5K fun run/walk.

When: Tuesday, August 10, 6:30 a.m.

Where: To be determined.

How Much: The entry fee is \$20.00.

Registration: You may register during JSM at the hospitality table of the Caucus for Women in Statistics on the 600 level of the Metro Toronto Convention Centre, in the registration area. All participants must sign a registration form and waiver. If you have questions, please contact Lori Thombs at thombsl@missouri.edu or (573) 882-3844.

REGISTRATION FORM (Each participant must complete and sign a form.)

Name: _____

Address: _____ City: _____

State/Province: _____ Zip/Postal Code: _____ Phone: _____

Sex: M F Age: _____

Event: 5K Race 2.5K fun walk

The fine print: I understand that running a road race is a potentially hazardous activity. I will not enter and run unless I am medically able and properly trained. I agree to abide by any decision of a race official relative to my ability to complete the run safely. I assume all risks associated with running in this event including, but not limited to: falls, contact with other participants, effects of weather, traffic, and course conditions. All such risks are known and appreciated by me. Having read this waiver, knowing these facts and in consideration of your accepting my entry, I, for myself and anyone entitled to act on my behalf, waive and release the race directors, the race committee, and all sponsors from all claims of liabilities of any kind arising out of my participation in this event, even though such liability may arise as a result of negligence or carelessness on the part of the persons named in this waiver.

Signature: _____ Date: _____

Parent or guardian (if under 18): _____

Make check payable to: The Gertrude Cox Scholarship Fund. Please return this form along with your check to Lori Thombs, Race Organizer, Department of Statistics, University of Missouri, Middlebush 146, Columbia, MO 65211 or fax (573) 884-5524

All CE Courses are located in the Fairmont Royal York Hotel (FRY).

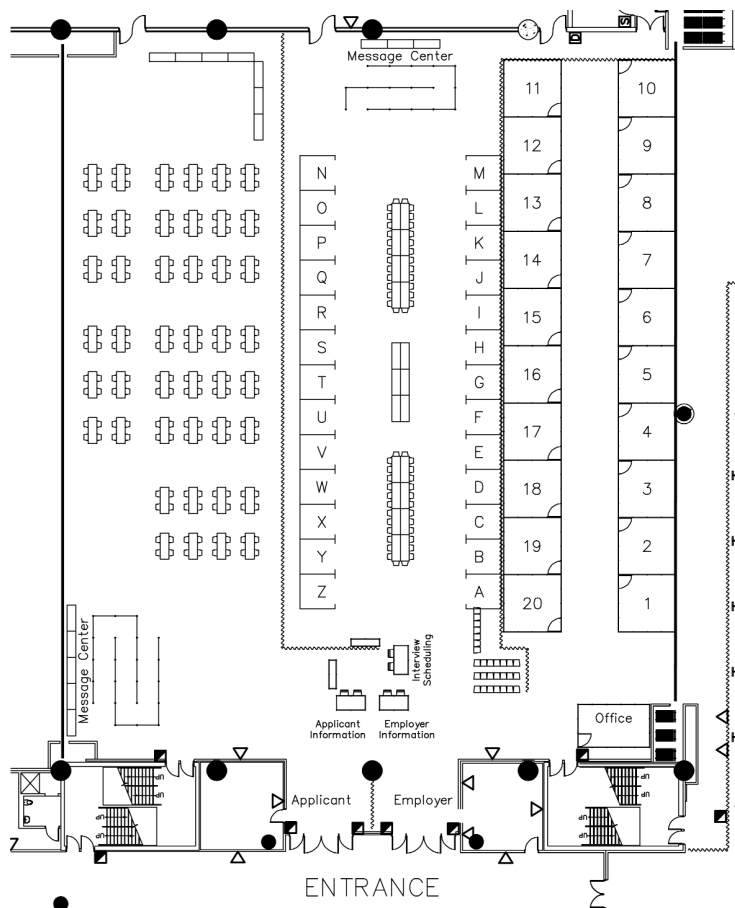
TIME	COURSE CODE	INSTRUCTOR	COURSE TITLE	ROOM
Saturday, August 7, 2004				
8:15 a.m.-4:15 p.m.	CE2004_01C	J.N.K. Rao/Sharon Lohr	Sample Survey Methods: Recent Developments and Applications	Quebec
8:00 a.m.-4:00 p.m.	CE2004_02C	Anders Skrondal/Sophia Rabe-Hesketh/Andrew Pickles	Generalized Linear Latent and Mixed Models	Tudor 7
8:00 a.m.-4:00 p.m.	CE2004_03C	L. Jane Goldsmith	Introduction to Clinical Trials	Tudor 8
8:00 a.m.-4:00 p.m.	CE2004_04C	David Spiegelhalter	Practical Bayesian Methods for Evaluating Clinical Interventions	Confederation
8:15 a.m.-4:15 p.m.	CE2004_05C	David Banks	Modern Data Mining	Alberta
8:15 a.m.-4:15 p.m.	CE2004_06C	Roger Hoerl/Bill Parr/Angie Patterson/Ronald Snee	Statistical Leadership: From Consultant to Effective Leader	British Columbia
Sunday, August 8, 2004				
8:15 a.m.-4:15 p.m.	CE2004_01C	J.N.K. Rao/Sharon Lohr	Sample Survey Methods: Recent Developments and Applications (continued)	Quebec
8:00 a.m.-4:00 p.m.	CE2004_07C	Frank E. Harrell, Jr.	Regression Modeling Strategies	Tudor 8
8:00 a.m.-4:00 p.m.	CE2004_08C	Peter Thall	Designing Clinical Trial	Confederation
8:00 a.m.-noon	CE2004_09C	Tim Hesterberg	Bootstrap Methods and Permutation Tests for Doing and Teaching Statistics	Tudor 7
8:15 a.m.-4:15 p.m.	CE2004_10C	Robert Tempelman/Guilherme Rosa	Design and Analysis of Gene Expression Studies Using Microarrays	Alberta
8:15 a.m.-4:15 p.m.	CE2004_11C	Geert Verbeke/Geert Molenberghs	Longitudinal and Incomplete Data	Manitoba
8:15 a.m.-4:15 p.m.	CE2004_12C	Greg Piepel/John Cornell	Methods for Designing and Analyzing Mixture Experiments	British Columbia
1:00 p.m.-5:00 p.m.	CE2004_13C	Andrew Lawson	Disease Mapping and Risk Assessment for Public Health	Tudor 7
Monday, August 9, 2004				
8:00 a.m.-noon	CE2004_14C	Gerald van Belle	Statistical Rules of Thumb	Alberta
8:00 a.m.-4:00 p.m.	CE2004_15C	Paul Biemer/Lars Lyberg	Introduction to Survey Quality	British Columbia
8:15 a.m.-4:15 p.m.	CE2004_16C	Xiao-Hua (Andrew) Zhou	Statistical Methods in Diagnostic Medicine	Confederation
8:15 a.m.-4:15 p.m.	CE2004_17C	Brian Marx/Paul Eilers	Splines, Knots and Penalties: the Practice of P-spline Smoothing	Tudor 7
8:15 a.m.-4:15 p.m.	CE2004_18C	Bruno Sanjo	Bayesian Inference	Tudor 8
Tuesday, August 10, 2004				
8:00 a.m.-noon	CE2004_19C	Sean Chen	Modeling Financial Derivatives for the Management of Risk	Alberta
8:00 a.m.-4:00 p.m.	CE2004_20C	Jorge Morel/Nagaraj Neerchal	Modeling and Analysis of Categorical Data with Overdispersion	Quebec
8:00 a.m.-4:00 p.m.	CE2004_21C	David Draper	Intermediate/Advanced Bayesian Hierarchical Modeling	Manitoba
8:00 a.m.-4:00 p.m.	CE2004_22C	Joseph Ibrahim/Ming-Hui Chen	Missing Data Methods in Regression Models	British Columbia
8:15 a.m.-4:15 p.m.	CE2004_23C	Jun Liu/Xiaole Shirley Liu	Statistical Methods in Bioinformatics	Territories
8:15 a.m.-4:15 p.m.	CE2004_24C	Tom Lang/Ralph O'Brien	Writing Effectively: Communicating with Nonstatisticians	Tudor 7
8:15 a.m.-4:15 p.m.	CE2004_25C	Richard Heiberger/Burt Holland	Statistical Analysis and Data Display	Tudor 8
8:15 a.m.-4:15 p.m.	CE2004_26C	Philip Hougaard	Analysis of Multivariate Survival Data: An Introduction to Frailty Models	Confederation
1:00 p.m.-5:00 p.m.	CE2004_27C	Ingram Olkin	Meta-analysis: Statistical Methods for Combining the Results of Independent Studies	Alberta
Wednesday, August 11, 2004				
8:00 a.m.-10:00 a.m.	CE2004_28T	John Castelloe	Power and Sample Size Analysis Using New SAS/STAT Software	Alberta
8:00 a.m.-10:00 a.m.	CE2004_29T	Chris Murtha/Elvessa Aragon-Logan/G. Gordon Brown	New Features for Clustered and Survey Data Analysis in SUDAAN® V9.0	Quebec
8:00 a.m.-10:00 a.m.	CE2004_30T	Dan Steinberg	Introduction to CART: Data Mining with Decision Trees	Manitoba
10:00 a.m.-12 noon	CE2004_31T	Russ Wolfinger/Wendy Czika	Analysis of Genetic, Microarray, and Proteomic Data within a Comprehensive SAS Solution Software Environment	Alberta
10:00 a.m.-12 noon	CE2004_32T	José C. Pinheiro/Edward Chao	GLMM and GEE Methods for Correlated Data in Splus	Quebec
10:00 a.m.-12 noon	CE2004_33T	Dan Steinberg	Introduction to MARS: Predictive Modeling with Nonlinear Automated Regression Tools	Manitoba
1:00 p.m.-3:00 p.m.	CE2004_34T	Anthony An	Analyzing Sample Survey Data Using SAS	Alberta
1:00 p.m.-3:00 p.m.	CE2004_35T	Jennifer Atlas	What's New in Minitab 14 Statistics and Customization	Quebec
1:00 p.m.-3:00 p.m.	CE2004_36T	Dan Steinberg	Advances in Data Mining: Jerome Friedman's MART and Leo Breiman's Random Forests	Manitoba
3:00 p.m.-5:00 p.m.	CE2004_37T	Mark Bailey	Interactive Demonstrations of Statistical Concepts Using JMP	Alberta
3:00 p.m.-5:00 p.m.	CE2004_38T	Jennifer Atlas	What's New in Minitab 14 Graphics	Quebec
3:00 p.m.-5:00 p.m.	CE2004_39T	Cyrus R. Mehta	Adaptive Clinical Trials and Sample Size Re-Estimation with the East Software	Manitoba

CAREER PLACEMENT

The **JSM Career Placement Service** offers a full-service recruiting facility, including online registration, private interview booths, and an onsite computerized message center. Each year, hundreds of qualified applicants look to the JSM Career Placement Service to begin or further their careers in statistics. If you are an employer with statistical job openings or a statistician looking for a first or new job, then the JSM Career Placement Service is here to help!

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- Lockheed Martin, KAPL, Inc.
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- National Center for Toxicological Research, FDA
- National Opinion Research Center (NORC) *
- Novartis Pharmaceuticals Corporation *
- PPD *
- Pfizer Global Research & Development *
- Pfizer, Inc. *
- Smith Hanley Associates, Inc.
- The Emmes Corporation
- The Ohio State University, School of Public Health
- The Procter & Gamble Company
- U.S. Census Bureau
- University of Louisville, Dept of Bioinformatics & Biostatistics
- University of Windsor, Dept. of Math and Stat.
- Villanova University
- Westat



Career Placement Service TCC-Hall F

Saturday, August 7	Job Posting and Resume Submission Only	9:00 a.m.–5:00 p.m.
Sunday, August 8	Job Posting and Resume Submission Only	9:00 a.m.–11:00 a.m.
	Full Career Placement Service Open	1:00 p.m.–6:00 p.m.
Monday, August 9	Full Career Placement Service Open	8:00 a.m.–6:00 p.m.
Tuesday, August 10	Full Career Placement Service Open	8:00 a.m.–6:00 p.m.
Wednesday, August 11	Full Career Placement Service Open (Onsite registration closes at noon)	8:00 a.m.–6:00 p.m.
Thursday, August 12	Full Career Placement Service Open (Browsers allowed for a \$10 fee)	8:00 a.m.–10:00 a.m.

ICH-InterContinental Hotel

FRY-Fairmont Royal York

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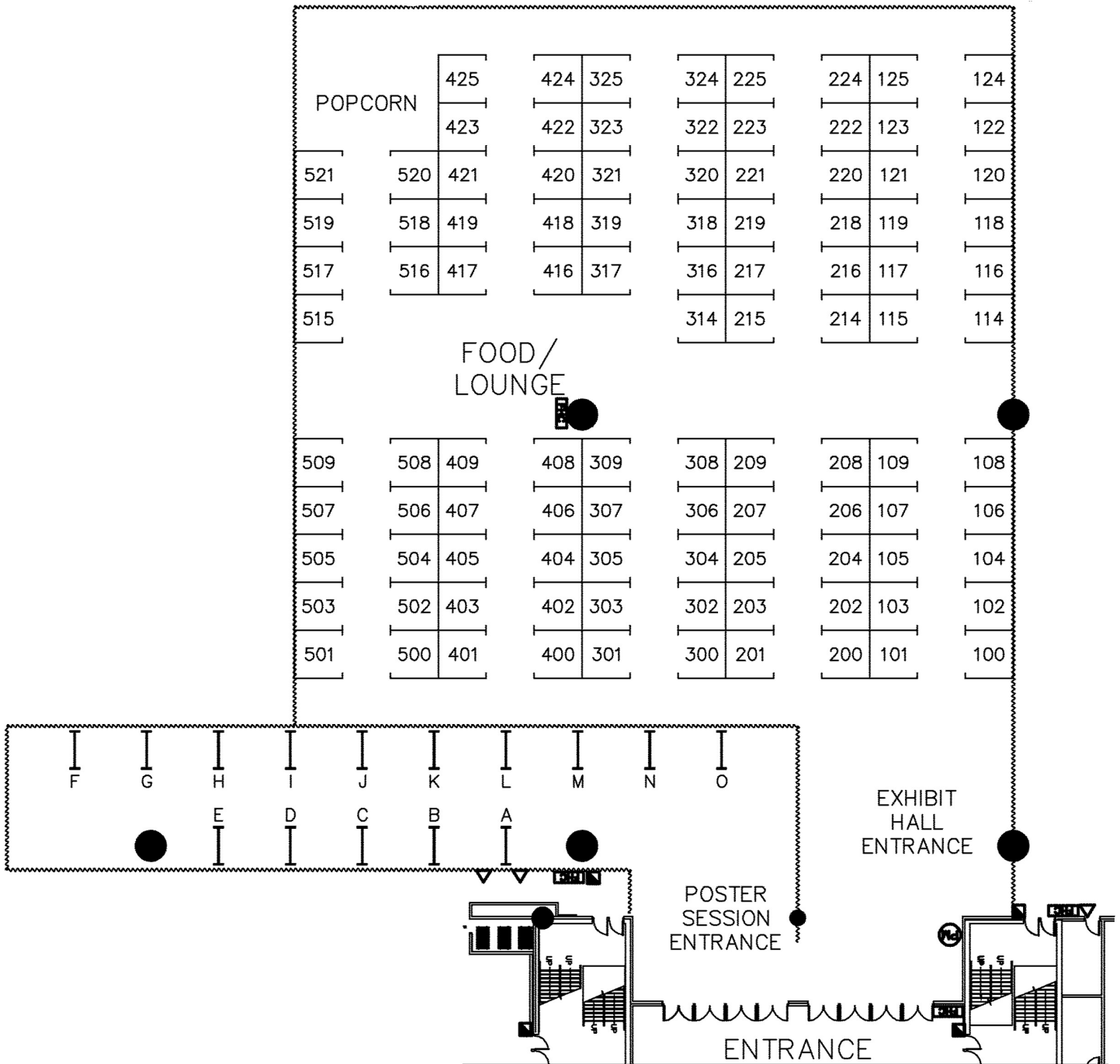
Springer-Verlag

Systat Software, Inc.

LISTING OF EXHIBITORS by booth number

Booth Number	Exhibitor Name
225	.American Statistical Association
100,102	.JMP, A Business Unit of SAS
101,103,105	.SAS
104,106,108	.SAS Publishing
107,109	.Minitab Inc.
114,116	.Cytel Software Corporation
115,117,119	.Duxbury, a part of the Thomson Corporation
118	.Resampling Stats, Inc.
120, 122	.Elsevier
123	.Kelly Scientific Resources - Clinical Research
200,202	.W.H. Freeman & Company
201, 203	.Insightful Corporation
204	.Internal Revenue Service (IRS)Statistics of Income
205,207	.Oxford University Press
206,208	.RTI International
209	.NCSS
214,216	.Systat Software, Inc.
215,217,219	.SPSS, Inc.
218	.Pfizer Global Research & Development
220	.National Center for Education Statistics
221	.Everest Clinical Research Services Inc.
223	.Institute of Mathematical Statistics
224	.National Centers for Health Statistics
300,302,304,306	.Springer-Verlag New York, Inc.
301,303	.Eli Lilly and Company
305	.Birkhauser Boston, Inc.
307,309	.U.S. Census Bureau
308	.Smith Hanley
314,316	.Prentice Hall
317	.Venturi Technology Partners
318	.ASA-SIAM Series
319	.StatPoint, Inc.
320	.SIAM, Society for Industrial & Applied Mathematics
321	.Centers for Disease Control and Prevention
322	.Volt Life Sciences
324	.Aptech Systems, Inc.
325	.Spotify, Inc.
400	.Palisade Corporation
401	.Hawkes Learning Systems
402	.MacKichan Software, Inc.
403	.Project Euclid
404	.Bureau of Labor Statistics
405	.StatEase, Inc.
406	.Data Description, Inc.
407, 409	.Cambridge University Press
408	.Addison-Wesley
416	.Sage Publications
417	.MedFocus, Inc.
418	.Salford Systems
419	.JSM 2005-Minneapolis
420	.PROMETRIKA, LLC
421	.Publishers' Book Display
424	.Timberlake Consultants Ltd.
425,423	.Novartis Pharmaceuticals Corporation
500,502,504,506	.CRC Press
501,503	.StatSoft, Inc.
505	.Key College Publishing
507	.Blackwell Publishing Inc.
508	.The Cambridge Group, Ltd.
509	.USDA/National Agricultural Statistics Serv (NASS)
515,517,519,521	.John Wiley & Sons
516	.Amgen, Inc.
518	.Capital One Financial
520	.Placemart Personnel Service

Metro Toronto Convention Centre, South Building
Exhibit Hall E



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Insightful Corporation	.201, 203
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Internal Revenue Service (IRS) Statistics of Income	.204
JMP, A Business Unit of SAS	.100, 102
JSM 2005-Minneapolis	.419
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Kelly Scientific Resources - Clinical Research	.123
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StatSoft, Inc.	.501, 503
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Volt Life Sciences	.322
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ASA-SIAM Series, Alexandria, VA, 318

The *ASA-SIAM Series on Statistics and Applied Probability* is jointly published by the American Statistical Association and the Society for Industrial and Applied Mathematics. These books present state-of-the-art approaches, novel methods to implement known techniques, comprehensive tutorials or surveys on applications of wide interest, interdisciplinary practices, or applications in emerging disciplines.

Addison-Wesley, Boston, MA, 408

Please visit Addison-Wesley in Booth 408. Come explore a full display of our statistics titles, meet our authors, and try out some of our new and exciting technology. Over three million homework assignments and tests have been created nationwide using MyMathLab – come see what the buzz is about!

American Statistical Association, Alexandria, VA, 225

Since 1839, the ASA has been the nation's leading professional association for statisticians. The ASA serves as a forum for sharing ideas, experiences, innovations and accomplishments. Members are involved in areas of statistics including medicine, computer applications, quality management, analytical research, setting standards for statistics, and promoting statistical education.

Amgen, Thousand Oaks, CA, 516

Amgen is the world's largest biotechnology company. Our mission is to serve patients. For nearly 25 years, the company has used scientific discovery and innovation to dramatically improve people's lives. As an EEO/AA M/F/D/V employer, Amgen values and encourages diversity in the workplace.

Aptech Systems, Inc., Maple Valley, WA, 324

The GAUSS Enterprise Engine, based on the fast and powerful GAUSS Matrix Programming Language, can be used to add the numerical computing power of GAUSS to multithreaded, multi-user applications written in C, C++, or Java. GAUSS is used in all fields for solving large scale optimization and data analysis problems.

Birkhäuser Boston, Inc., Secaucus, NJ, 305

Stop by the Birkhäuser booth for a 20% discount on all our titles.

Blackwell Publishing Inc., Malden, MA, 507

Blackwell publishes academic journals and general scholarly college and reference texts, with an emphasis on the humanities, social sciences, and business. For more information on any of our books and journals, visit www.blackwellpublishing.com.

Bureau of Labor Statistics, Washington, DC, 404

The Bureau of Labor Statistics is the principal fact-finding agency for the federal government in the broad field of labor economics and statistics. Information specialists will be available to assist with locating BLS data online, publications and services.

Cambridge University Press, New York, NY, 407, 409

Stop by the Cambridge booths to see new offerings in statistics, mathematics finance, biostatistics, and more. New books in the Cambridge Series in Statistical and Probabilistic Mathematics include *Measure Theory and Filtering* by Aggoun and Elliott and *Statistical Analysis of Stochastic Processes in Time* by Lindsey. Offered at a 20% discount.

Capital One Financial, Glen Allen, VA, 518

Capital One is a diversified consumer financial services company recognized throughout the industry as being at the forefront of scientifically driven decision processes.

Centers for Disease Control and Prevention, Atlanta, GA, 321

The Centers for Disease Control and Prevention (CDC) is recognized as the lead federal agency for protecting the health and safety of people. CDC serves as the national focus for developing and applying disease prevention and control, environmental health, and health promotion and education activities designed to improve health.

Chapman & Hall/CRC, Boca Raton, FL, 500, 502, 504, 506

Chapman & Hall/CRC, an imprint of CRC Press (a member of the Taylor & Francis Group) is a leading publisher in the field of statistics. Our program covers methodology, biostatistics, computing, finance, genetics, and much more. Visit our booth to browse our latest titles with discounts up to 50% off.

Cytel Software Corporation, Cambridge, MA, 114, 116

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Data Description, Inc., Ithaca, NY, 406

Data Description is demonstrating a preview version of Data Desk 7. This version supports direct attachment to databases, offers tools for customization and modification, and provides new tools for exploring data. The company is also demonstrating all of its multimedia courses including ActivStats, ActivEpi, and ProgramLive.

Duxbury, Thomson, Belmont, CA, 115, 117, 119

With over 30 years of quality and innovation in statistics publishing, Duxbury (a division of Thomson) invites you to visit our booth 115 and see our latest publications. Whether for introductory or advances courses, texts, software, or software handbooks, Duxbury is your complete source for all your teaching and learning needs.

Eli Lilly and Company, Indianapolis, IN, 301, 303

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LISTING OF EXHIBITORS

Elsevier, New York, NY, **120, 122**

Elsevier, including Academic Press imprint, is a worldwide leader in scientific and technical publishing. See our latest titles, *Introduction to Probability and Statistics for Engineers and Scientists, 3E*, *Principles of Mathematical Modeling, 2E*, *Handbook of Statistics*, Vol #23, and more. Pick up instructor copies, 10-20% savings, and sample journals. www.elsevier.com or books.elsevier.com/apmath.

Everest Clinical Research Services Inc., Thornhill, ON, **221**

Everest Clinical Research Services provides statistical, data management, clinical trial monitoring, and medical writing services to pharmaceutical and biotech companies. Our focus is on providing cost-effective services with industry leading benchmarks in quality and timelines.

Hawkes Learning Systems, Charleston, SC, **401**

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IRS Statistics of Income, Washington, DC, **204**

The Statistics of Income (SOI) Division produces data files compiled from tax and information returns filed with the Internal Revenue Service. There's a wealth of information about the financial composition of individuals, business taxpayers, tax-exempt organizations and more, which is available through publications, electronic databases, and the IRS web site.

Insightful Corporation, Seattle, WA, **201, 203**

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Institute of Mathematical Statistics, Beachwood, OH, **225**

JMP, a business unit of SAS, Cary, NC, **100,102**

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JSM 2005-Minneapolis, Alexandria, VA, **419**

Visit the Minneapolis Booth in the Exhibit Hall and find out more about "Using Our Discipline to Enhance Human Welfare." Get information about the conference hotels and registration costs and learn more about Minneapolis.

○ **John Wiley & Sons, Inc.**, Hoboken, NJ, **515, 517, 519, 521**

John Wiley & Sons, is a global publisher of print and electronic products world wide, providing leading books, journals, and subscription services in many scientific and technical areas including geophysics, geology, hydrology, and atmospheric sciences.

Kelly Scientific Resources - Clinical Research, Troy, MI, **123**

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Key College Publishing, Emeryville, CA, **505**

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Mackichan Software, Poulsbo, WA, **402**

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MedFocus, Inc., Des Plaines, IL, **417**

MedFocus offers contract consulting and staffing specifically to the pharmaceutical, biotechnology, and medical device industries. MedFocus has succeeded in meeting the contract staffing needs of our employees and clients faster and more effectively than our competition through "specialized" recruiting exclusively in the clinical trials and scientific arenas.

○ **Minitab Inc.**, State College, PA, **107, 109**

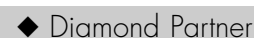
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NCSS, Kaysville, UT, **209**

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National Center for Education Statistics, Washington, DC, **220**

The statistical agency of the U.S. Department of Education and the primary federal provider of statistics on the condition of American education.



National Center for Health Statistics, Hyattsville, MD, 224

This year's exhibit will showcase the various NCHS programmatic areas with an emphasis on statistical research and methodology. The exhibit will allow attendees to view and acquire a host of publications, electronic products, and other promotional materials.

○ **Novartis Pharmaceuticals Corporation, East Hanover, NJ, 425, 423**

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Oxford University Press, New York, NY, 205,207**PROMETRIKA, Cambridge, MA, 420**

PROMETRIKA is a contract research organization serving the pharmaceutical and biotechnology industries, offering complete biostatistical, data management, medical writing, and regulatory submission services. PROMETRIKA helps clients achieve efficient, successful drug development by providing innovative perspectives on their clinical trial design and delivering high quality databases, study reports, and final dossiers.

Palisade Corporation, Newfield, NY, 400

○ **Pfizer Global Research & Development, New London, CT, 218**

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www.amstat.org/meetings/jsm/2004

Placemart Personnel Service, Tinton Falls, NJ, 520

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Prentice Hall, Upper Saddle River, NJ, 314,316

Prentice Hall will display statistics textbooks ranging from the introductory level, such as Michael Sullivan's *Statistics: Informed Decisions Using Data* and John E. Freund's *Modern Elementary Statistics*, to more advanced and specialized course texts, like Epstein's *Medical Image Processing*.

Project Euclid, Ithaca, NY, 403

Project Euclid is a user-centered initiative to create an environment for the effective and affordable distribution of serial literature in mathematics and statistics. Project Euclid is designed to address the unique needs of independent and society journals through a collaborative partnership with scholarly publishers, professional societies, and academic libraries.

Publishers' Book Display, Alexandria, VA, 421

Visit the Publishers' Book Display booth to review books and literature from publishers unable to attend this years JSM. Discounted order forms will be available.

RTI International, Durham, NC, 206,208

For 45 years RTI statisticians have developed scientifically accepted statistical methodologies to address major national/global public policy issues. New this year is the release of SUDAAN 9.0 that offers various enhancements including analyzing multiply imputed datasets, several new statements to improve usability, and additional statistics/options added to nearly all procedures.

Resampling Stats, Inc., Arlington, VA, 118

Software for resampling and data mining: Resampling Stats (stand-alone and Excel add-in), XLMiner (data mining add-in for Excel with classification and regression trees, neural nets, clustering, k-nearest-neighbor classifier, Bayesian classifier, logistic regression, multiple regression, discriminant analysis, association rules, principal components, automatic partitioning into training, validation and test data).

SAGE Publications, Thousand Oaks, CA, 416

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▲ SAS, Cary, NC, 101, 103, 105

SAS will exhibit its analytical software for statistics, data mining, text mining, econometrics, and statistical quality control. Please visit our booth and learn about the statistical graphics and other new enhancements available in SAS 9.1, our recent release.

SAS Publishing, Cary, NC, 104, 106, 108

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- SAS® Self-Paced e-Learning

SIAM, Society for Industrial & Applied Mathematics, Philadelphia, PA, 320

Visit the SIAM booth to check out the titles in Mathematics the *ASA-SIAM Series on Statistics and Applied Probability*. Get recently published books and information. See sample issues of SIAM's renowned journals, plus membership applications will be available. Don't forget to pick up a copy of *SIAM News* for the road.

SMITH HANLEY, New York, NY, 308

Our two divisions, permanent placement and contract staffing offer targeted recruitment in statistics, biostatistics, SAS programming, data management, market research, health outcomes, and epidemiology. Since 1980 we've provided clients and recruits, dedicated service, experience and insight into industry trends for positions at all levels. www.smithhanley.com or www.smithhanley-consulting.com

◆ SPSS, Inc., Chicago, IL, 215, 217, 219

SPSS Inc. is a provider of predictive analytics technology and services. The company's predictive analytics technology connects data to effective action by drawing reliable conclusions about current conditions and future events. More than 250,000 customers rely on SPSS technology to help increase revenue, reduce costs, improve processes, and detect and prevent fraud.

Salford Systems, San Diego, CA, 418

Salford systems develops advanced statistical and data mining software, including the Cart® decision tree, MARS® automated regression, TreeNet™ boosted decision trees and Random Forests™ Salford Systems strives to make the best academic research easily usable by the practicing data analyst and has recently won several distinguished international honors.

Spoffire, Inc., Somerville, MA, 325

Spoffire, Inc. provides Guided Analytic applications and services that empower extended enterprises and their end-users to make faster, more effective decisions. More than 700 Global 2000 customers, such as pharmaceutical, high-tech manufacturing oil and gas, consumer packaged goods, and academic markets, and over 25,000 users gain insights with Spoffire products worldwide.

○ **Springer-Verlag New York, Inc.**, Secaucus, NJ, **300, 302, 304, 306**

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Stat-Ease, Inc., Minneapolis, MN, **405**

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- Experiment Design Made Easy
- Response Surface Methods for Process Optimization
- Mixture Design for Optimal Formulations

StatPoint, Inc., Orlean, VA, **319**

Developers of statistical software, including STATGRAPHICS, STATLETS, and STATBEANS. STATGRAPHICS is a comprehensive statistical package for Windows. STATLETS is a collection of applets for statistical computing over the internet. STATBEANS is a collection of statistical JavaBeans for use in other applications. Products emphasize statistical model-building, SPC, DOE, and general data analysis.

StatSoft, Inc., Tulsa, OK, **501, 503**

StatSoft Inc. is one of the largest developers of enterprise-wide and desktop software for data analysis, data mining, quality control/Six Sigma and web-based analytics worldwide.

○ **Systat Software, Inc.**, Richmond, CA, **214, 216**

SYSTAT Software, Inc. is a leading developer and supplier of award winning scientific software and services. The family of SYSTAT products include SYSTAT®, a comprehensive statistical analysis package, SigmaPlot®, a technical graphing and presentation software, and SigmaStat®, a step-by-step guided statistical analysis software for scientists and other leading analytical software.

The Cambridge Group, Ltd., Westport, CT, **508**

The Cambridge Group Ltd. focuses on careers in biostatistics, clinical data management, clinical systems, SAS programming and more. Opportunities range from entry level through senior & executive levels for both permanent and contract positions in the pharmaceutical and biotechnology industries. The Cambridge Group Ltd., 1175 Post Road East, Westport, CT 06880; email: biostat@cambridgegroup.com; Phone: (800)525-3396.

Timberlake Consultants Ltd., Union, NJ, **424**

Timberlake Consultants provide a total solution to clients working in the statistics, econometrics, operational research or mathematical fields. Our areas of expertise fall into three main categories: distribution of third-party quality software, training courses, seminars and consulting projects.

U.S. Census Bureau, Washington, DC, **307, 309**

The Census Bureau serves as the leading source of quality data about the nation's people and economy. We honor privacy, protect confidentiality, share our expertise globally, and conduct our work openly. We are guided on this mission by our strong and capable workforce, our readiness to innovate, and our customers.

USDA -National Agricultural Statistics, Washington, DC, **509**

The National Agricultural Statistics Service (NASS) a leader in sampling, data collection, and estimation procedures for economic, environmental, and agricultural surveys as well as the periodic Census of Agriculture. The agency also creates a number of remote sensing and Geographic Information System statistical products.

Venturi Technology Partners, Portage, MI, **317**

Venturi Technology Partners is the leading provider of SAS, statistics and clinical services to companies nationwide. We help statisticians and programmers support their customers faster and more efficiently with analytical applications. Venturi is a SAS Alliance Gold Partner with over 50 offices in the U.S. and Canada.

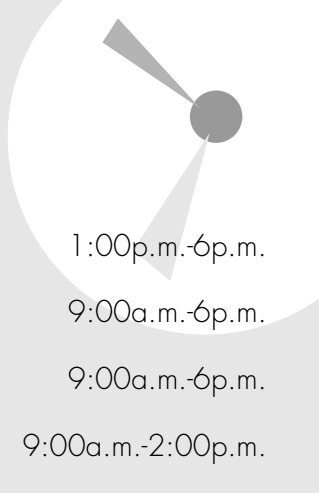
Volt Life Sciences, Indianapolis, IN, **322**

Volt Life Sciences delivers workforce solutions to meet the demands of an evolving scientific market. Pairing a diverse talent base with our customers' quest for innovation and project evolution has made us the choice partner for WorkforceDesign™ in the biopharmaceutical industry.

W.H. Freeman & Company, New York, NY, **200, 202**

W.H. Freeman & Company is proud to publish statistics textbooks that emphasize data analysis, technology, and the real work of professional statisticians. Visit our booth to see our complete line of texts, including Moore's *The Basic Practice of Statistics* and *The Practice of Business Statistics* - and a new media supplement, E-STAT Pack!

EXPO2004 Hours



Sunday, August 8	1:00p.m.-6p.m.
Monday, August 9	9:00a.m.-6p.m.
Tuesday, August 10	9:00a.m.-6p.m.
Wednesday, August 11	9:00a.m.-2:00p.m.



Seeking a CAREER in STATISTICS?



REGISTER for the JSM Career Placement Service

No matter what your current situation, if you have a degree or an interest in a career in statistics, the **JSM Career Placement Service** will help steer your career in the right direction.

Are you considering a master's or doctorate level degree?
Are you nearing graduation and wondering about entry-level jobs for statisticians?
Are you an experienced statistics professional interested in career transition?

What can the CAREER PLACEMENT SERVICE DO FOR YOU?

Each year, hundreds of companies, universities, recruiters, and government agencies search for applicants using the JSM Placement Service. At the 2003 JSM in San Francisco, employers listed over 250 positions for qualified statisticians. The JSM Placement Service provides the best opportunity for qualified applicants to meet employers, establish valuable contacts, and learn about organizations employing statisticians.

Career Placement Service Benefits

Applicant Reading Area-applicants can review binders containing complete job descriptions and contact information for all registered employers.

Computerized Message Center-applicants and employers can communicate throughout the meeting.

www.amstat.org/meetings/jsm/2004/placement
for more information

Organizations Represented at Recent JSM Career Placement Services

Bureau of the Census • Westat • Centers for Disease Control • PPD • Duke University • Trilogly Consulting
Northwestern University • Eli Lilly • Mayo Clinic

Session Tag Descriptions

We expect both Theme and Applied sessions to draw a diverse audience.

THEME

JSM Theme sessions are directly relevant to the 2004 JSM theme "Statistics as a unified discipline." These sessions highlight presentations and discussions that are on forward-looking topics which could impact the future of statistics. Theme sessions are designed to expand the frontiers of statistical thought, emphasize new directions and promote interdisciplinary collaborations and partnerships.

APPLIED

JSM Applied sessions have REAL applications at the heart of the discussions and presentations. Because these sessions are grounded in applications across the many areas of science and engineering, they may involve interdisciplinary work and include presentations by nonstatisticians. Applied Sessions vary in scope, ranging from presentations on state-of-the-art statistical methodology applied to real world problems to those that are tutorial in nature. All statisticians should find these sessions appealing.

THURSDAY AUGUST 5

Committee/Business Meetings & Other Activities

5:00 pm–6:15 pm FRY-Library
ASA Management Review Committee (closed)
 Chair(s): Bradley Efron, Stanford University

6:30 pm–9:30 pm FRY-Library
ASA Joint Planning/Budget Committee Working Dinner (closed)
 Chair(s): Bradley Efron, Stanford University

FRIDAY AUGUST 6

Committee/Business Meetings & Other Activities

7:45 am–9:00 am FRY-York
ASA Executive Committee Breakfast (closed)
 Chair(s): Bradley Efron, Stanford University

9:00 am–10:45 am FRY-Library
ASA Executive Committee (closed)
 Chair(s): Bradley Efron, Stanford University

11:00 am–6:00 pm FRY-Library
ASA Board of Directors (closed)
 Chair(s): Bradley Efron, Stanford University

12:30 pm–1:15 pm FRY-York
ASA Board of Directors Lunch (closed)
 Chair(s): Bradley Efron, Stanford University

6:30 pm–7:30 pm FRY-Royal Suite
JSM Staff & ASA Board Reception (closed)

SATURDAY AUGUST 7

Committee/Business Meetings & Other Activities

7:00 am–4:00 pm FRY-Meeting Services Desk
JSM CE Pre-registered Pick Up Desk

7:00 am–6:00 pm TCC-Entrance of South Building
Guest Services Desk

7:00 am–6:00 pm TCC-600 Level
Special Assistance Desk

7:00 am–6:00 pm TCC-600 Level
Press Desk

7:00 am–6:00 pm FRY- Prince Edward Island
Speaker Work Room

7:00 am–6:00 pm TCC-702
Speaker Work Room

7:00 am–6:00 pm TCC-600 Level
ASA Membership Booth (Reg Area)

GENERAL PROGRAM SCHEDULE

7:00 am–6:00 pm JSM Main Registration	TCC-600 Level	1:00 pm–6:00 pm Pathways to the Future Workshop <i>Organizer(s): Lynne Billard, University of Georgia</i>	FRY-New Brunswick
7:00 am–11:00 pm Cyber Café and Message Center	TCC-600 Level	<hr/> Continuing Education (Fee Events) <hr/>	
8:00 am–9:00 am ASA Board of Directors Breakfast (closed) <i>Chair(s): Bradley Efron, Stanford University</i>	FRY-York	CE_01C 8:15 am–4:15 pm Sample Survey Methods: Recent Developments and Applications (2-day Course) ASA <i>Instructor(s): Jon N.K. Rao, Carleton University, Sharon Lohr, Arizona State University</i>	FRY-Quebec
8:00 am–5:00 pm Exhibitor Move In	TCC-Exhibit Hall E	CE_02C 8:00 am–4:00 pm Generalized Linear Latent and Mixed Models (1-day Course) ASA, Biometrics Section <i>Instructor(s): Anders Skrondal, Norwegian Institute of Public Health; Sophia Rabe-Hesketh, University of California, Berkeley; Andrew Pickles, University of Manchester</i>	FRY-Tudor 7
8:00 am–5:00 pm Exhibitor Lounge	TCC-Exhibit Hall E	CE_03C 8:00 am–4:00 pm Introduction to Clinical Trials (1-day Course) ASA, Biometrics Section <i>Instructor(s): L. Jane Goldsmith, University of Louisville</i>	FRY-Tudor 8
9:00 am–4:00 pm ASA Board of Directors (closed) <i>Chair(s): Bradley Efron, Stanford University</i>	FRY-Library	CE_04C 8:00 am–4:00 pm Practical Bayesian Methods for Evaluating Clinical Interventions (1-day Course) ASA, Biopharmaceutical Section, Section on Bayesian Statistical Science <i>Instructor(s): David Spiegelhalter, Institute of Public Health</i>	FRY-Confederation 5 & 6
9:00 am–5:00 pm Career Placement Service (Job Posting and Resume Submission Only)	TCC-Exhibit Hall F	CE_05C 8:15 am–4:15 pm Modern Data Mining (1-day Course) ASA <i>Instructor(s): David Banks, Duke University</i>	FRY-Alberta
11:30 am–12:30 pm Association of GCRC Statisticians Lunch (closed) <i>Organizer(s): Curtis A Parvin, Washington University School of Medicine</i>	ICH-Oakville	CE_06C 8:15 am–4:15 pm Statistical Leadership: From Consultant to Effective Leader (1-day Course) Section on Quality and Productivity, ASA <i>Instructor(s): Roger Hoerl, General Electric Company; Ron Snee, Tunnell Consulting; Bill Parr, University of Tennessee; Angela Patterson, General Electric Company</i>	FRY-British Columbia
12:00 pm–5:00 pm ASA Marketplace	TCC-600 Level		
12:00 pm–5:00 pm ASA Council of Sections/Council of Chapters Booth	TCC-600 Level		
12:00 pm–5:00 pm Careers in Statistics Booth	TCC-600 Level		
12:00 pm–5:00 pm ASA Education Booth	TCC-600 Level		
12:30 pm–1:15 pm ASA Board of Directors Lunch (closed) – Other <i>Chair(s): Bradley Efron, Stanford University</i>	FRY-York		
12:30 pm–5:30 pm Association of GCRC Statisticians Meeting (closed) <i>Organizer(s): Curtis A Parvin, Washington University School of Medicine</i>	ICH-Caledon		