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JSM 2005 Program Committee

Daniel F. Heitjan
JSM Program Chair
University of
Pennsylvania

Naisyin Wang
International Biometric
Society (ENAR)
Texas A&M University

Robert Weiss
International Biometric
Society (WNAR)
UCLA

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Statistics (Invited)
Rutgers, The State
University of New Jersey

Dave Higdon
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Harrisburg

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University of New Jersey

Michael R. Elliott
General Methodology
University of
Pennsylvania

**Ying Kuen (Ken)
Cheung**
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University of Connecticut

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Biometrics Section
Columbia University

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Email: *asainfo@amstat.org*
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Treasurer
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Public Relations Officer
Jock Mackay

Business Office:

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Ottawa, ON, Canada K1N 6N5
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Fax: (613) 565-6774
Email: *info@ssc.ca*
Web site: *www.ssc.ca*

International Biometric Society–Eastern North American Region

January–December 2005

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Past President
Marie Davidian

President-Elect
Jane Pendergast

Secretary (2005–2006)
Lance Waller

Treasurer (2004–2005)
Joanna Shih

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Six members (*elected to three-year terms*):

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2003–2005
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Roderick Little

2004–2006
Bruce Craig
Amita Manatunga

2005–2007
Gregory Campbell
Naisyin Wang

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Marie Davidian, Walter W. Piegorsch, Ron Brookmeyer, Louise Ryan, Janet Wittes

Appointed Members of the RAB
(*three-year terms*)
Chair
Stacy Lindborg

2003–2005
Scarlett Bellamy, Christopher R. Bilder, DuBois Bowman, James J. Chen,

Michael Daniels, Francesca Dominici, Montserrat Fuentes, Stacy Lindborg, Brian D. Marx, Alicia Y. Toledano

2004–2006
Hongshik Ahn, Brent Coull, Debashis Ghosh, Amy Herring, Tom Loughin, Jared Lunceford, Jeffrey Morris, Kerrie Nelson, Frank Roesch, Helen Zhang

2005–2007
Barbara Bailey, Sudipto Banerjee, Jason Conner, Todd Durham, Kirk Easley, Abie Ekangaki, Deborah Ingram, Xuejen Peng, James Rosenberger, Maura Stokes

Programs

2005 Joint Statistical Meeting
Naisyin Wang

2006 Joint Statistical Meeting
Brent Coull

2005 Spring Meeting—Austin, Texas
Program Chair: **A. John Bailer**
Program Co-Chair: **Maura Stokes**

2006 Spring Meeting—
New Orleans, Louisiana
Local Arrangements Chairs:
Julia Volanfuva and **Brian Marx**
Local Arrangements Co-Chair:
Todd Nick
Program Chair: **Montserrat Fuentes**
Program Co-Chair: **José Pinheiro**

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Lawrence Freedman, Mike Kenward, and Xihong Lin

Biometric Bulletin Editor
Urania Dafne

ENAR Correspondent for the
Biometric Bulletin
Roslyn Stone

ENAR Executive Director
Kathy Hoskins

International Biometric Society
Business Manager
Claire Shanley

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Past President: **Marie Davidian**
President-Elect: **Jane Pendergast**

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Committee Chairs
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Sponsorship: **Frank Shen**
Information Technology Oversight (ITOC):
Bonnie La Fleur

American Association for the Advancement of Science (Joint with WNAR) Terms through February 22, 2005

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Stephen Rathbun

Section G, Biological Sciences:
Geof Givens

Section N, Medical Sciences:
Joan Hilton

Section O, Agriculture:
Kenneth Portier

Section U, Statistics
Mary Foulkes

National Institute of Statistical Sciences (ENAR President is also an ex-officio member) Board of Trustees Member:
Peter B. Imrey

Business Office:

ENAR
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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David Yanez

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Kenneth Kopecky

Program Coordinator
Weng Kee Wong

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2004–2006:
Ken Burnham, Sandrine Dudoit

2003–2005:
Stephanie Monks, Lang Wu

IBS Council Representatives
John Neuhaus, Christine McLaren

Business Office:

WNAR Membership Services
Cancer Research and Biostatistics
1730 Minor Avenue, Suite 1900
Seattle, WA 98101-1468
Email: *wnar@crab.org*
Web site: *www.wnar.org*

Institute of Mathematical Statistics

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in Probability*
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Zhenqing Q. Chen

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Fax: (216) 295-5661
Email: *ims@imstat.org*
Web site: *www.imstat.org*

MINNEAPOLIS CONVENTION CENTER—LEVEL ONE

JSM Registration Area; General Sessions (Ballroom A); Roundtables (Ballroom B);
EXPO 2005 and Career Placement Service (Hall C); Meeting Rooms 101 A–J, 102 A–F, 103 A–F;

LEGEND

- **R** Refreshments
- 🚹🚺 Restrooms
- **C** Phone
- Escalator (Levels 1 & 2)
- Escalator (All Levels)
- Elevator (Levels 1 & 2)
- Elevator (All Levels)
- Stairs (Levels 1 & 2)
- Emergency Stairs
- **P** Parking
- First Aid
- **i** Information
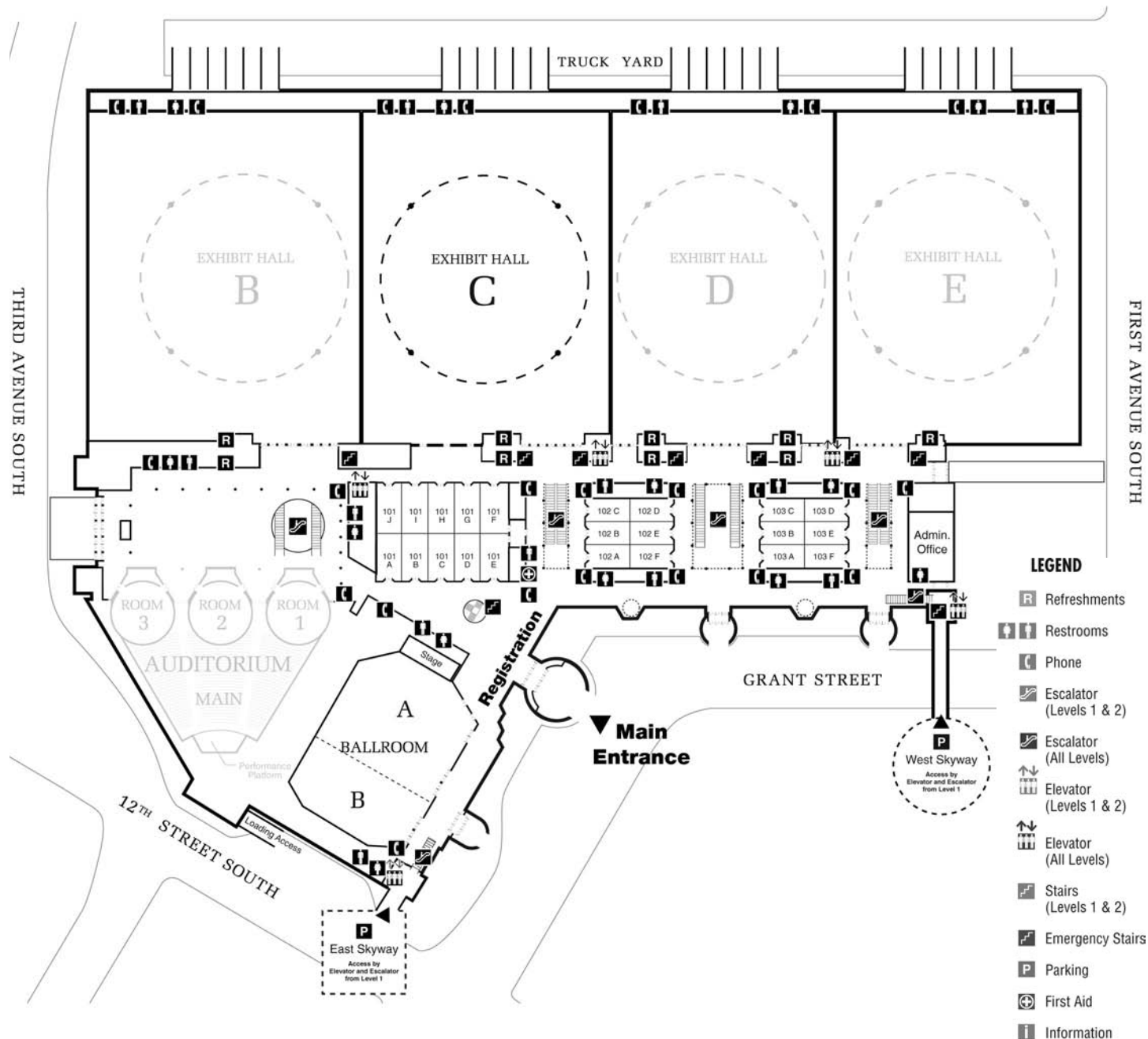
Meeting Rooms

Meeting rooms are labeled with "letters," designating in which facility the room is located:
Minneapolis Convention Center = **"MCC"** Hilton Minneapolis Hotel = **"H"** Hyatt Regency Minneapolis = **"HY"**

MINNEAPOLIS CONVENTION CENTER—LEVEL TWO

Meeting Rooms 200 A–J, 201 A–B, 202 A–B, 203 A–B, 204 A–B, 205 A-D, 206 A–B, 207 A–B, 208 A-D, 209 A-B, 210 A-B, 211 A-D, 212 A-B, 213 A-B; Poster Session; Opening Mixer
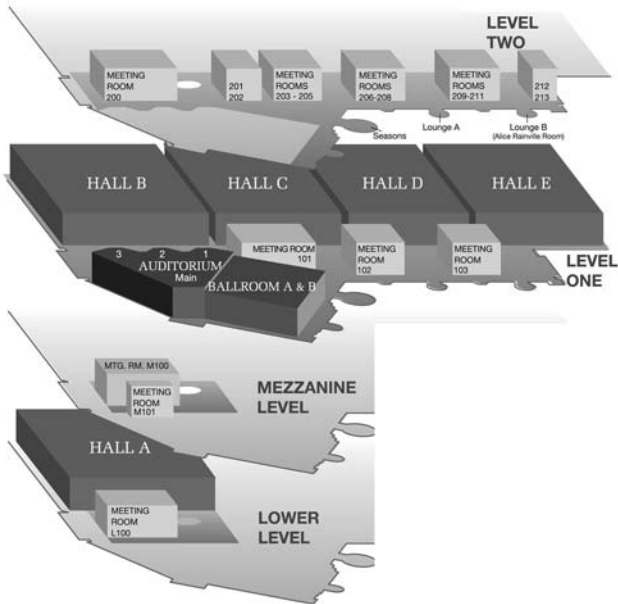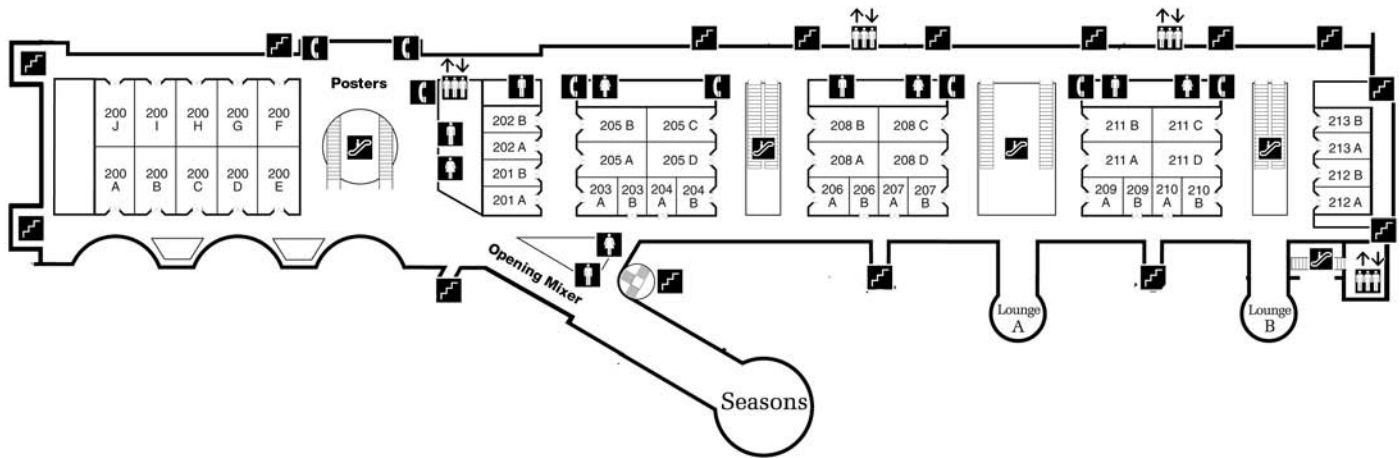
MINNEAPOLIS CONVENTION CENTER—LOWER LEVEL

Meeting Rooms L100 A–J, Continuing Education Courses, Computer Technology Workshops
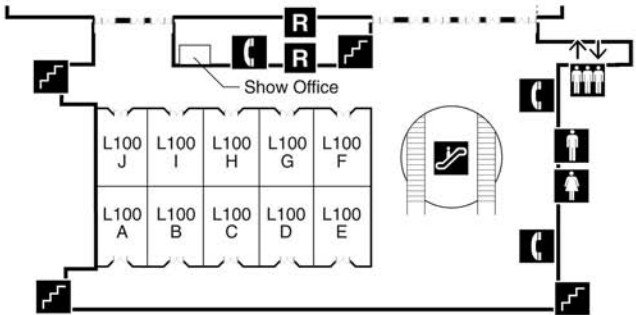
HILTON MINNEAPOLIS—2nd FLOOR

Carver, Hennepin, LaSalle, Marquette, Nicollet, Ramsey,
Conrad Rooms (Conrad A,B,C,D)

Mechanical

Conrad A

Service Area

Storage

Restroom

Restroom

Conrad B

Foyer

Conrad C

Conrad D

Retail

Skyway to Convention Center

Skyway to City Center

Symphony

Marquette | **LaSalle** | **Hennepin** | **Carver** | **Ramsey**

Nicollet

Guest Room Elevators

Escalators

Retail

Open to Lobby Below

Women

Sauna

Men

Health Club

Whirl Pool

Pool
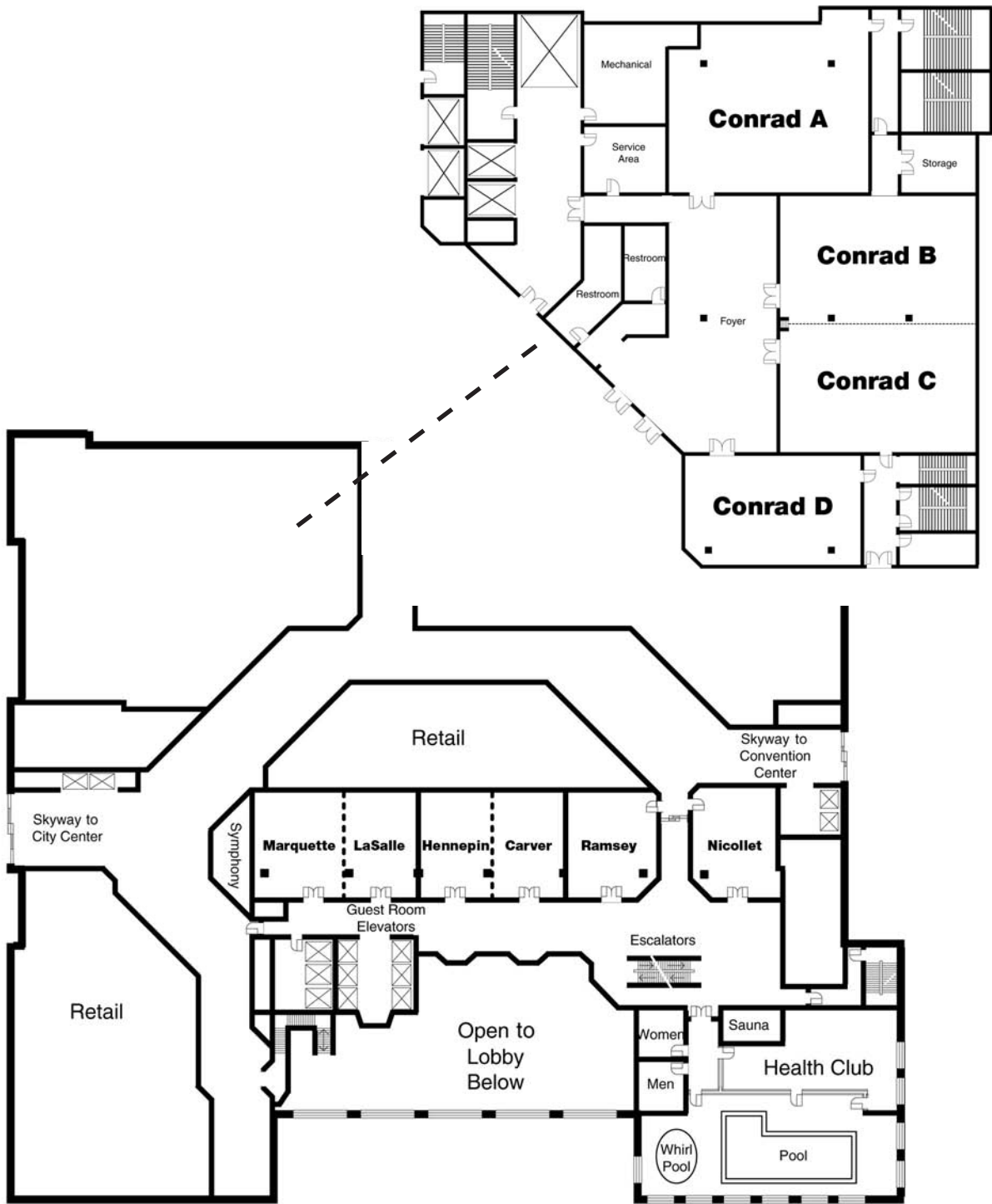
HILTON MINNEAPOLIS—3rd FLOOR

Board Rooms 1-3, Directors Row 1-4, Red Wing Room, Duluth, Rochester, Salon B, Salon C
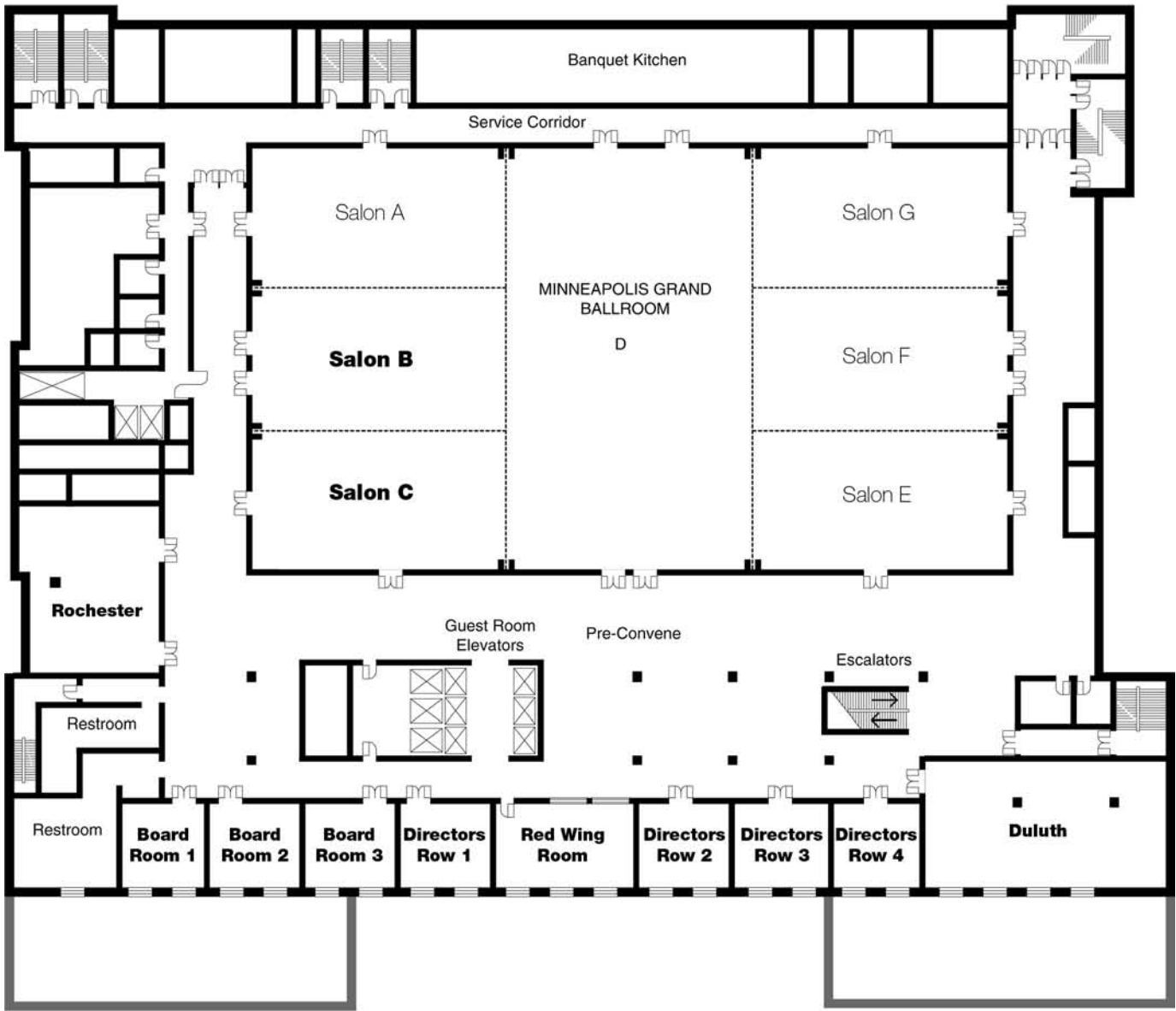
HYATT REGENCY MINNEAPOLIS—SECOND LEVEL

Skyway Suite A & B, Mirage Room, Regency Room
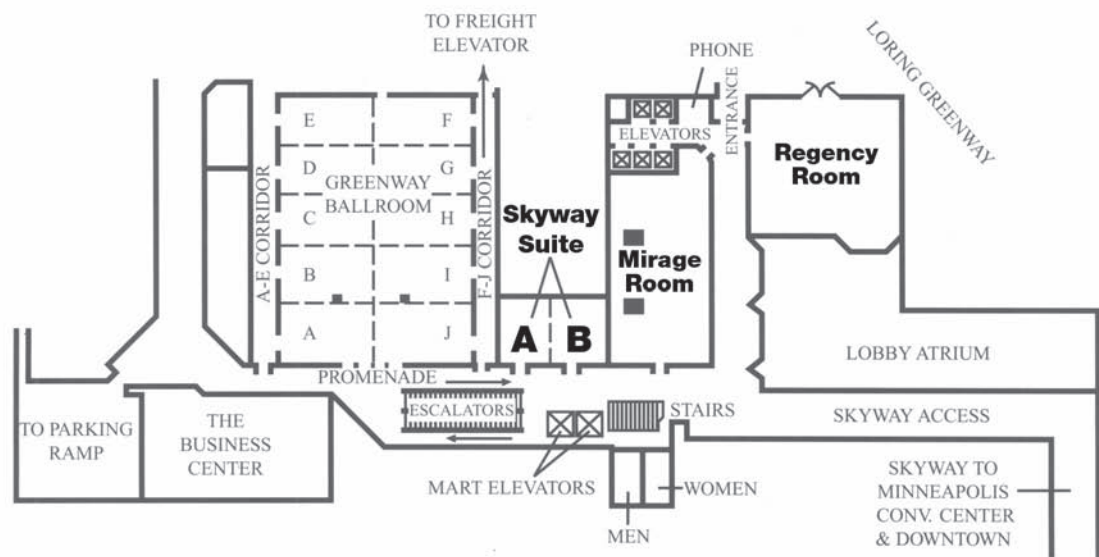
HYATT REGENCY MINNEAPOLIS—FIFTH LEVEL

Lake Suites Conference Center: Lake of the Isles, Lake Calhoun, Cedar Lake, Lake Minnetonka, Lake Superior A & B
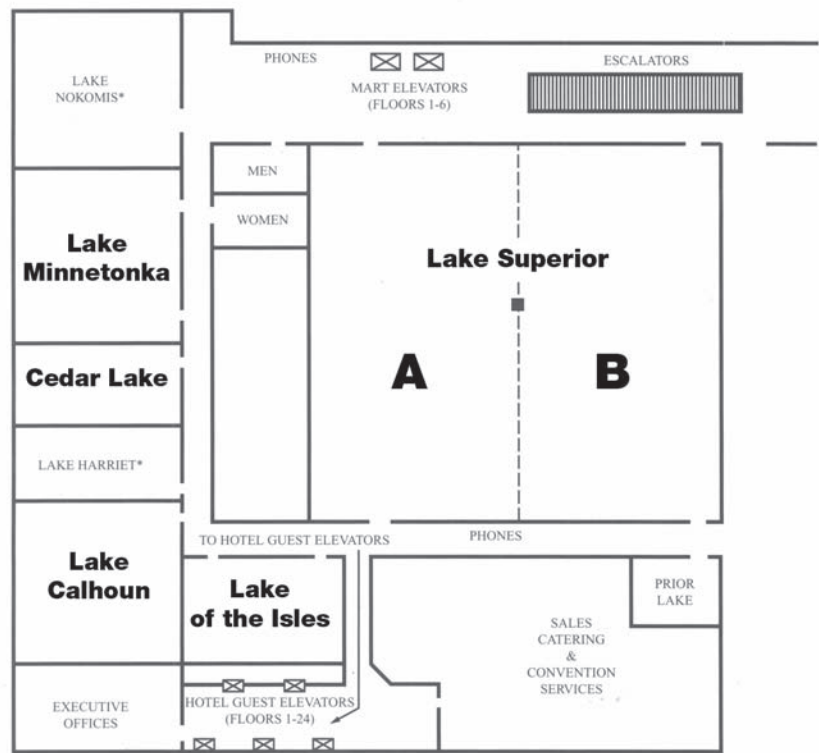
American Statistical Association

OPENMEETING

Fritz J. Scheuren, ASA President

Sunday, August 7, 2005, 6:00 p.m.
Minneapolis Convention Center, Room 102 A

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:

- ✔ 2005 Board task force feedback
- ✔ Update on ASA finances
- ✔ New trends in statistical research
- ✔ ASA international outreach
- ✔ ASA public policy initiatives
- ✔ ASA building
- ✔ Response to 2004 Open Meeting queries

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

Minneapolis, Minnesota

WASHINGTON

Windstar Financial

100 Washington Square

Nonwest Operations

Textile Bldg.

LRT Station

3RD

4TH

2ND AVE

S

Butler Square

1ST AVE

Target Center

Lumber Exchange

NSP

Plymouth Bldg.

Old US Courthouse

Towle Bldg.

Public Health Ctr.

Federal Building

LRT Station

50 South Sixth Street

Neiman Marcus

Dain Bosworth Plaza

100-150 5th St Tower

Northwest Midland

US West

City Hall

8TH ST N

HENNEPIN AVE

Metro State U

Carmichael Lynch

④

⑥

City Center

Soo Line

Rand Tower

One Financial Plaza

Pillsbury

3RD S

Hennepin County Government Center

Saks 5th Ave

Norwest Tower

Northstar Center

US Bank Place

⑦

WCCO Radio

Hennepin County Government Center

Government Ctr Ramp

9TH ST N

YMCA

Marshall Fields

7TH ST

IDS Tower

Baker Center

8TH ST

TCF Tower

Minneapolis Club (Private)

American Express Financial Center

Metropolitan Centre

701 Bldg.

Lutheran Brotherhood

⑧

National City Bank

University of Saint Thomas

Target Office Tower

Target Store

Piper Cir

Young Quinlan Building

9TH ST

NICOLLET MALL

Essex Bldg

AT & T Tower

Int'l Center

St Olaf Catholic Church

Piper Jaffray

Energy Center Ramp

McPhail Center For The Arts

LaSALLE AVE

11TH ST

WCCO-TV

MARQUETTE

10TH ST

Kinnard Financial Center

2ND AVE

3RD AVE

4TH AVE

5TH AVE

PORTLAND AVE

①

Y.W.C.A.

12TH ST

Peavey Plaza

Leamington Ramp

②

③

13TH ST S

Convention Center Ramp (Underground)

Westminster Church

Municipal Ramp

⑤

GRANT ST E

GRANT ST

Wesley United Meth. Church

Minneapolis Convention Center (1301 Second Avenue South)

Central Lutheran Church

7th St Garage

7TH AVE

8TH AVE

9TH ST N

Underground Tunnel

1 Hilton Minneapolis
1001 Marquette Avenue
COC/COS, committee, and social activities

2 Hyatt Regency Minneapolis
1300 Nicollet Mall
Committee and social activities

3 Millennium Hotel Minneapolis
1313 Nicollet Mall
No scheduled activities

4 Marriott City Center
30 South Seventh Street
No scheduled activities

5 Holiday Inn Express Hotel & Suites
225 South Eleventh Street
No scheduled activities

6 Radisson Plaza Hotel Minneapolis
35 South Seventh Street
No scheduled activities

7 Crowne Plaza Northstar Hotel
618 Second Avenue South
No scheduled activities

8 Embassy Suites Minneapolis–Downtown
425 South 7th Street
No scheduled activities

Radisson Hotel Metrodome
615 SE Washington Avenue
No scheduled activities
(not pictured on map)

9 University of Minnesota, Middlebrook Hall
412 22nd Avenue South
(see map below)
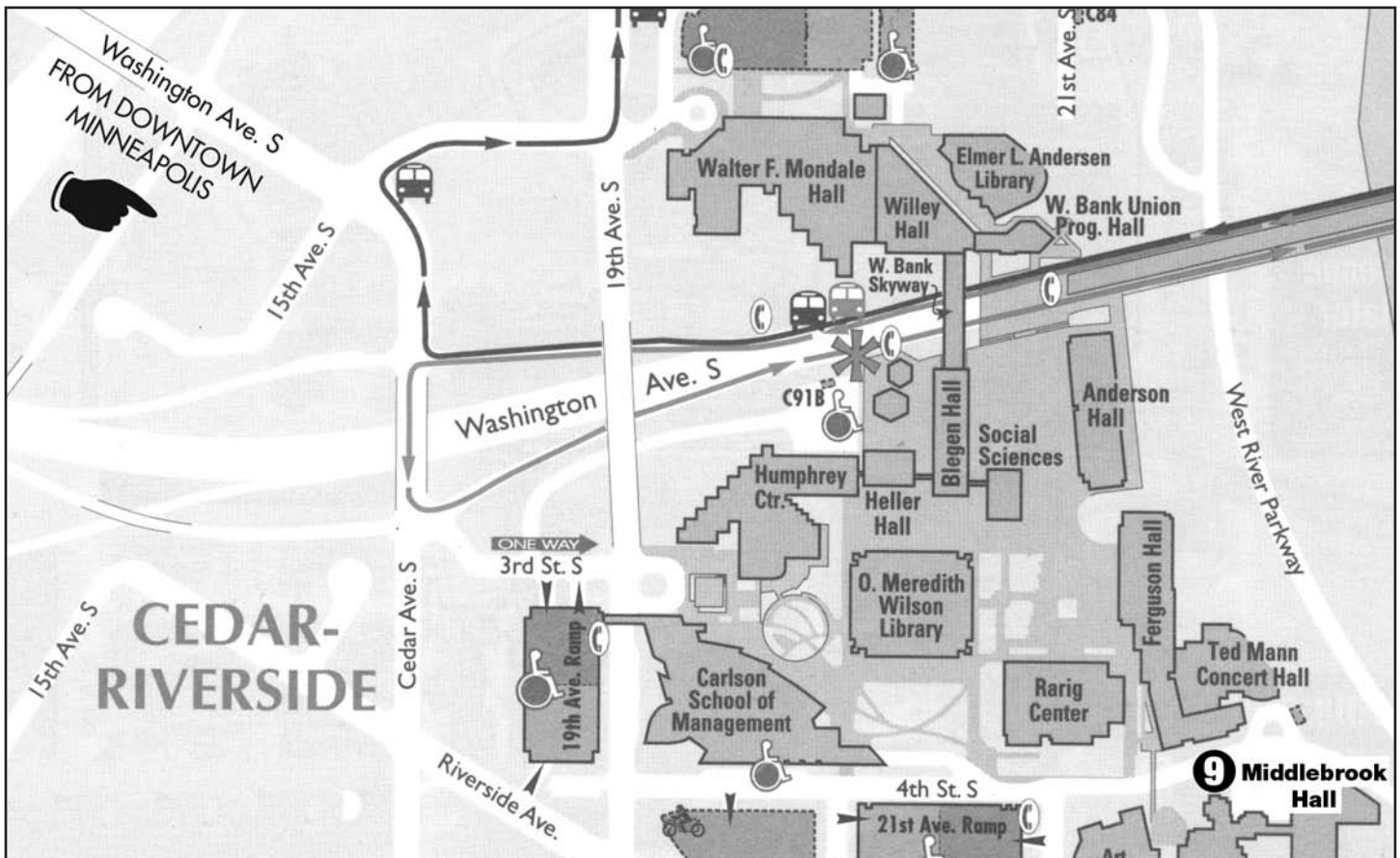
JSM Registration Area and Society Booths

1. ASA Communities Booth

2. Institute of Mathematical Statistics (IMS)

3. Eastern North American Region of the International Biometric Society (ENAR)

4. International Statistical Institute (ISI)

5. Minneapolis Restaurant Reservations/Information Desk

A. Gay and Lesbian Concerns in Statistics Committee

B. Federal Committee on Statistical Methodologies

C. The Caucus for Women in Statistics

D. International Indian Statistical Association

E. International Chinese Statistical Association

Minneapolis Convention Center

First Floor
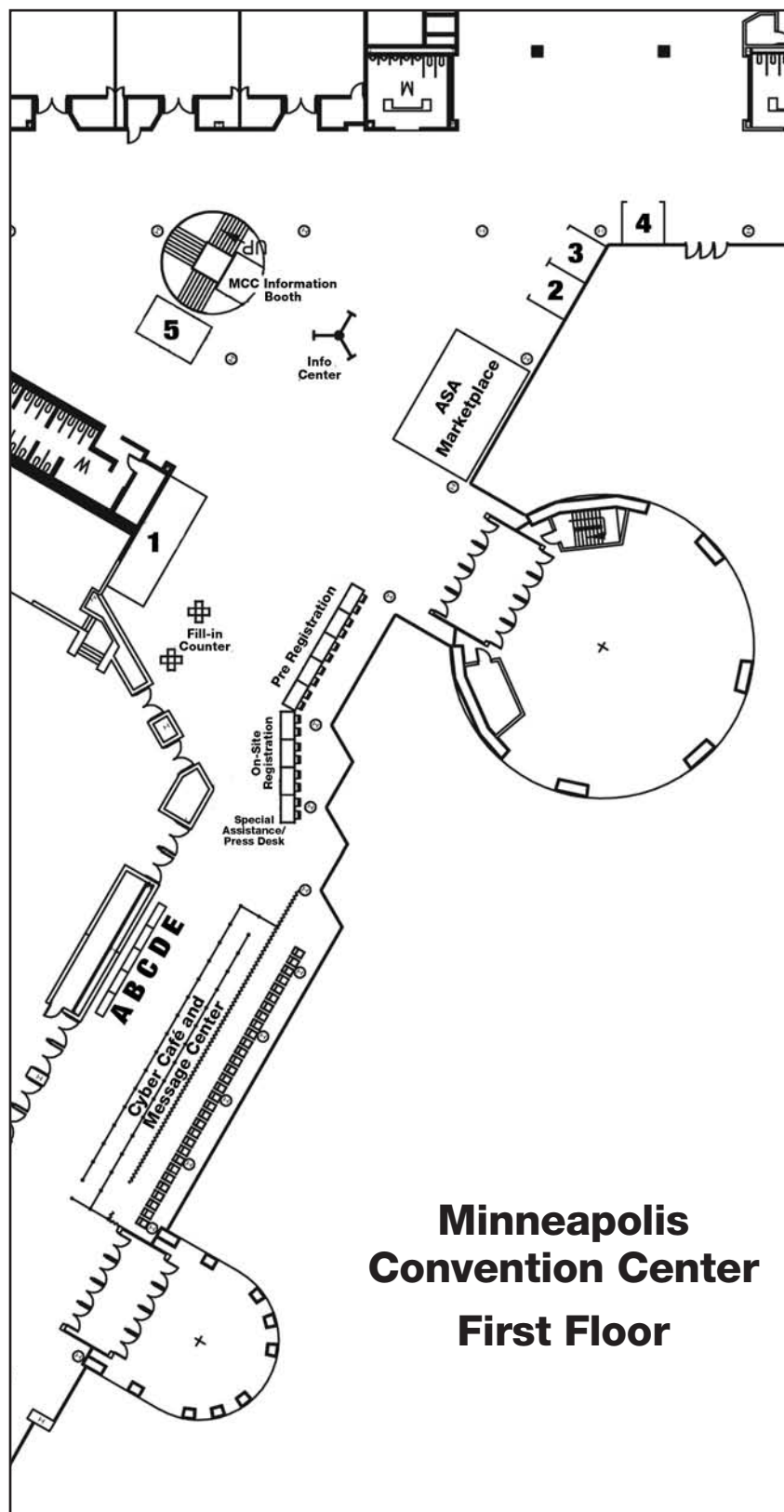
Emergency Telephone Messages

The general conference telephone number is **(612) 335-6860**. This will connect you to the JSM Special Assistance and Press Desk and should be used for emergency purposes only. Emergency messages will be posted in the electronic JSM Message Center, located in the registration area at the Minneapolis Convention Center. All other calls or messages should be left on the attendee's guestroom voice mail.

Convention Hotels

The main phone numbers for the convention hotels are:

Hilton Minneapolis	(612) 376-1000
Hyatt Regency Minneapolis	(612) 370-1234
Millennium Hotel Minneapolis	(612) 332-6000
Marriott City Center	(612) 349-4000
Holiday Inn Express Hotel & Suites	(612) 341-3300
Radisson Plaza Hotel Minneapolis	(612) 339-4900
Crowne Plaza Northstar Hotel	(612) 338-2288
Embassy Suites Minneapolis–Downtown	(612) 333-3111
Radisson Hotel Metrodome	(612) 379-8888
University of Minnesota, Middlebrook Hall	(612) 625-0536

Assistance for the Disabled

If you have a disability that may impede your participation, please contact a staff member at the Special Assistance and Press Desk on the First Level of the Minneapolis Convention Center.

Child Care

Nanny Professionals will provide child care at JSM. Nannies will come directly to your hotel room; the rate is $13 per hour for the first one or two children, increasing $1 per hour up to five children. After five children, a second nanny will be needed. In addition, there is a $10 mileage fee plus parking. There is a minimum of five hours during the day and four hours in the evening. Nanny Professionals has served the Twin Cities at major hotels and the convention center since 1984. Visit their web site at *www.nannyprofessionals.com* or contact them directly by phone, (651) 221-0587, or email, *nannypro@bevcomm.net*, 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 Julia Bienias, president of The Caucus for Women in Statistics, at *jbienias@rush.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 sessions, workshops, luncheons, and receptions (unless the event is outdoors).

Photographs and Videotaping

Taking photographs or using video equipment in any session or at any JSM event is prohibited; 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 may help by making use of the Towel and Linen Programs in use at the area hotels. Also, simply change the option from print to not print at the Cyber Café and Message Center to help us continue our efforts to conserve. Please note, area hotels and the convention center do sort items for recycling. If you have additional questions, please stop by the Special Assistance and Press Desk in the Minneapolis Convention Center registration area.

Invited Poster Session
MCC - Level Two, Lobby B

Invited posters will be showcased Sunday, August 7, from 4:00 p.m. to 5:50 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
MCC - Level Two, Lobby B

Regular and Topic Contributed Poster Sessions are held Sunday from 8:00 p.m. to 9:50 p.m. and Monday and Tuesday from 10:30 a.m. to 12:20 p.m. and 2 p.m. to 3:50 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 board 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 preregistration is necessary, and they are open to all JSM registrants. If you have suggestions for next year, please contact 2006 JSM Program Chair Lisa LaVange at *llavange@ inspirepharm.com*.

Sunday, August 7
4:00 p.m.–5:50 p.m.   **MCC-200ABC**
Session 37
Introductory Overview Lecture on Visual Data Mining

Monday, August 8
10:30 a.m.–12:20 p.m.   **MCC-200ABC**
Session 110
Introductory Overview Lecture on Multivariate Probability Density Estimation

Tuesday, August 9
8:30 a.m.–10:20 a.m.   **MCC-200ABC**
Session 203
Introductory Overview Lecture on Data Confidentiality

Wednesday, August 10
8:30 a.m.–10:20 a.m.   **MCC-200ABC**
Session 334
Introductory Overview Lecture on Recurrent Events Data Analysis for Applications

Thursday, August 11
8:30 a.m.–10:20 a.m.   **MCC-L100G**
Session 460
Introductory Overview Lecture on Objective Bayesian Inference

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.

Monday, August 8
2:00 p.m.–3:50 p.m.   **MCC-200ABC**
Session 164
Late-Breaking Session 1—Bias in Exit Polls

Wednesday, August 10
10:30 a.m.–12:20 p.m.   **MCC-200ABC**
Session 371
Late-Breaking Session 2—The COX-2 Inhibitors Story: What Do (Should) We Know and When Do (Should) We Know It—And What Should We Do about It?

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. Business meetings of the ASA Sections provide the opportunity to give suggestions on Section business.

Opening Mixer, MCC-Seasons and Bridge
Sunday, August 7, 8:00 p.m.–10:30 p.m.

Don't miss your chance to get JSM 2005 off to a great start and enjoy refreshments with your colleagues. New this year, an assortment of contributed posters will be on display during the mixer. We will see you there!

JSM First-Time Attendee Orientation and Reception, MCC-L100 F
Sunday, August 7, 6:00 p.m.–7:30 p.m.

Learn more about how to get the most out of your first JSM experience, meet new people, and network.

Student Mixer, H-Conrad A
Monday, August 8, 6:00 p.m.–7:00 p.m.

Student registrants can enjoy refreshments, meet their peers, and make plans for local events and outings at this mixer. The 2005 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!

The ASA Longtime Member Reception,
H-Conrad B
Monday, August 8, 6:30 p.m.–7:30 p.m.

If you joined the ASA 35 or more years ago, the American Statistical Association would like to thank you for your longtime support. The reception is sponsored by the ASA Membership Committee.

Society Business Meetings

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

American Statistical Association
Sunday, August 7, 6:00 p.m.–7:30 p.m.   MCC-102A

Statistical Society of Canada
Monday, August 8, 5:00 p.m.–7:00 p.m.   HY-Regency

International Biometric Society,
ENAR Business Meeting
Tuesday, August 9, 5:30 p.m.–7:30 p.m.   MCC-103A

IMS Business Meeting
Tuesday, August 9, 12:30 p.m.–1:30 p.m.   MCC-102A

Access Professional Resources
with the American Statistical Association

MEMBERS ENJOY:

A SUBSCRIPTION to *Amstat News*, the ASA's monthly membership magazine, full of upcoming events and job opportunities.

NETWORKING through the ASA's regional Chapters and special-interest Sections.

MEMBERS-ONLY FEATURES of the ASA JobWeb at *http://jobs.amstat.org/*, including "Post Your Resume" and "Notify Me!"

OPPORTUNITIES to expand career horizons with the ASA's Career Placement Service at the Joint Statistical Meetings.

DISCOUNTED registration fees for the annual Joint Statistical Meetings and Continuing Education Courses.

ONLINE ACCESS to the Current Index to Statistics (CIS), a bibliographic index to publications in statistics and related fields.

ASA Membership Exhibit Booth Hours
MCC - Hall E, Booth 700

Sunday, August 7	1:00 p.m.–6:00 p.m.
Monday, August 8	9:00 a.m.–6:00 p.m.
Tuesday, August 9	9:00 a.m.–6:00 p.m.
Wednesday, August 10	9:00 a.m.–2:00 p.m.

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Become a MEMBER of ASA—join at the ASA Communities Booth and save $15 on your first year!

Most membership categories include a subscription to *Amstat News*. Student members also receive *STATS: The Magazine for Students of Statistics*. All members receive discounts on ASA publications, meetings, and educational programs. For information regarding your benefits, including how to subscribe to additional publications or register for ASA meetings, contact customer service at **1 (888) 231-3473** or visit our web site, **www.amstat.org/join.**

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.

2005 JSM Proceedings

Order your JSM 2005 Proceedings in advance! Order forms also are available at the ASA Membership booths in the JSM Registration Area and in EXPO 2005. CDs will mail in January 2006.

Would you like to publish your presentation in the 2005 Proceedings? Eligibility guidelines and author instructions for JSM 2005 presenters are available at *www.amstat.org/meetings/jsm/2005*. Click the Program tab and select "Proceedings." Submissions must be in electronic format; the submission site opened August 1, 2005.

JSM 2006

The 2006 Joint Statistical Meetings will be held in Seattle, Washington, August 6–10, 2006, at the Washington State Convention & Trade Center. Preliminary information about JSM 2006 can be found at the Seattle Booth #704 in this year's EXPO 2005. The complete listing of the 2006 Program Committee and instructions on the submission of contributed papers appeared in the June issue of *Amstat News*.

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 registration area and in the Exhibit Hall at the Minneapolis Convention Center. Publications and other materials also will 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 and/or theoretical aspects of statistics. Student memberships are offered at substantially reduced rates.

If you are not already a member of the ASA, join now and receive $15 off a one-year ASA membership. This offer is not applicable to student, senior, or discounted memberships. Return your completed application and payment of $70 to the ASA Membership Booth by Thursday, August 11, at 10 a.m. to receive your discount. Make an investment in your career and begin enjoying all membership benefits right away by joining today!

ASA Communities Booth Hours
MCC - Level 1, Registration Lobby

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

ASA Membership Exhibit Booth Hours
MCC - Hall C, Booth 700

Sunday, August 7	1:00 p.m.–6:00 p.m.
Monday, August 8	9:00 a.m.–6:00 p.m.
Tuesday, August 9	9:00 a.m.–6:00 p.m.
Wednesday, August 10	9:00 a.m.–2:00 p.m.

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 Level One of the Minneapolis Convention Center. You also may add Continuing Education Courses, the Career Placement Service, tours, guests, or luncheons to your JSM registration at the JSM Registration Desk. Onsite career placement applicants are required to register. Hours of operation:

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

JSM registration includes the Program and Abstract books, access to the Exhibit Hall, 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 p.m. on the day prior to the scheduled luncheon. NOTE: No onsite Kosher or Heart Healthy meal tickets will be available.

ASA Continuing Education (CE) Courses

Courses will be held in meeting rooms at the Minneapolis Convention Center. For room assignments, please review the general program or visit the Special Assistance and Press Desk on Level One of the Minneapolis Convention Center.

Onsite CE Registration: Go to the JSM Registration Desk, located on Level One of the Minneapolis Convention Center. Availability may be limited. Textbooks will not be available.

Speaker Work Rooms

There will be two Speaker Work Rooms this year, both at the Minneapolis Convention Center on Level Two in Rooms 204A and 204B. Hours of operation:

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

A Speaker Work Room is available for all presenters. There will be two stations available in each room: one with an overhead projector and screen and one with a data projector and screen. To accommodate more than 3,200 presenters, each speaker will be limited to 10 minutes to test the equipment. Please rehearse your verbal presentation in the privacy of your own hotel room to ensure 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 connect properly to the data projector. Audiovisual technicians will be available to assist with questions or problems.

Career Placement Service
MCC-Exhibit Hall C

The JSM 2005 Career Placement Service will be located in the Minneapolis Convention Center, Exhibit Hall C. Hours of operation:

Saturday, August 6   9:00 a.m.–5:00 p.m.
Onsite Registration Only

Sunday, August 7   1:00 p.m.–6:00 p.m.
Full Career Placement Service Open

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

Tuesday, August 9   8:00 a.m.–6:00 p.m.
Full Career Placement Service Open

Wednesday, August 10   8:00 a.m.–6:00 p.m.
Full Career Placement Service Open *(Onsite placement registration closes at Noon)*

EXPO 2005
MCC-Exhibit Hall C

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

Exhibitors Move in and out Information

Exhibitor Move in Only

Saturday, August 6	8:00 a.m.–5:00 p.m.
Sunday, August 7	8:00 a.m.–11:00 a.m.

Exhibitor Move out Only

Wednesday, August 10	2:00 p.m.–8:00 p.m.

Show Hours of Operation

Sunday, August 7	1:00 p.m.–6:00 p.m.
Monday, August 8	9:00 a.m.–6:00 p.m.
Tuesday, August 9	9:00 a.m.–6:00 p.m.
Wednesday, August 10	9:00 a.m.–2:00 p.m.

Cyber Café and Message Center
MCC-Level 1, Registration Lobby

There will be 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 Level One of the Minneapolis Convention Center. There will NOT be 24-hour access to the Cyber Café and Message Center. To reach an attendee when the Message Center is closed, please call his/her hotel directly. Hours of operation:

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

ASA Marketplace
MCC-Level 1, Registration Lobby

The ASA Marketplace is your store for JSM and ASA souvenirs. Purchase your official JSM 2005 T-shirt, new shirt designs, great new gifts, and clearance items. Hours of operation:

Saturday, August 6	12:00 p.m.–5:00 p.m.
Sunday, August 7	9:00 a.m.–5:00 p.m.
Monday, August 8	9:00 a.m.–5:00 p.m.
Tuesday, August 9	9:00 a.m.–5:00 p.m.
Wednesday, August 10	9:00 a.m.–5:00 p.m.
Thursday, August 11	8:00 a.m.–10:30 a.m.

Special Assistance and Press Desk
MCC-Level 1, Registration Lobby

Information on activities in Minneapolis, Minnesota, local restaurants, attractions, local maps, and organized tours are available at the Special Assistance and Press Desk on Level One of the Minneapolis Convention Center in the JSM Registration area. Hours of operation:

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

Minneapolis Restaurant Reservations/ Information Desk
MCC-Level One, Registration Lobby

The Minneapolis Convention Center will provide a Restaurant Reservations/Information Desk in the main lobby area of the South Building entrance. The desk will provide information on the Minneapolis Convention Center and the city. Attendants also will offer directions; provide maps; and suggest restaurants, local activities, and attractions. Hours of operation:

Saturday, August 6	10:00 a.m.–6:00 p.m.
Sunday, August 7	10:00 a.m.–6:00 p.m.
Monday, August 8	9:00 a.m.–5:00 p.m.
Tuesday, August 9	9:00 a.m.–5:00 p.m.
Wednesday, August 10	9:00 a.m.–5:00 p.m.

First Aid Office
MCC-Level 1, Registration Lobby

Sunday, August 7	2:00 p.m.–10:30 p.m.
Monday, August 8	8:30 a.m.–6:00 p.m.
Tuesday, August 9	8:30 a.m.–6:00 p.m.
Wednesday, August 10	8:30 a.m.–6:00 p.m.
Thursday, August 11	8:30 a.m.–12:30 p.m.

Statistical Society of Canada
Société Statistique du Canada

SSC

Statistical Society of Canada
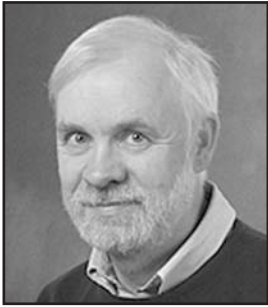
– a long-standing participant
in the *JSM*.

Join us at the

SSC Reception

Monday, August 8, 5:00 p.m.–7:00 p.m.

at the Hyatt Regency in the Regency Room

www.ssc.ca

577 King Edward Avenue, Ottawa, Ontario K1N 6N5

Tel.: (613) 562-5320 • Fax: (613) 565-6774 • email: info@ssc.ca

President's Invited Address— *A Bayes/Frequentist Roadmap*
Monday, August 8, 4:00 p.m.

Roderick J. Little, University of Michigan

Rod Little is Richard D. Remington Collegiate Professor of Biostatistics and Professor of Statistics at the University of Michigan. He has more than 150 publications, notably on methods for the analysis of data with missing values and model-based survey inference and the application of statistics to diverse scientific areas, including medicine, demography, economics, psychiatry, aging, and the environment. He is interested in federal statistical issues and has served on many National Research Council committees.

IMS Presidential Address— *The Poisson Paradigm*
Monday, August 8, 8:00 p.m.

Louis H. Y. Chen, National University of Singapore

Louis Chen received his bachelor's degree from the University of Singapore in 1964 and his doctorate from Stanford University in 1971. He is currently the Director of the Institute for Mathematical Sciences at the National University of Singapore, and was President of the Bernoulli Society for Mathematical Statistics and Probability from 1997 to 1999. He works mainly in probability and is best known for his pioneering work in the development of Stein's method in the context of Poisson approximation.

Deming Lecture— *Statistics, Quality, and Organizational Excellence*
Tuesday, August 9, 4:00 p.m.

A. Blanton Godfrey, North Carolina State University

A. Blanton (Blan) Godfrey is Dean and Joseph D. Moore Professor of Textile & Apparel Technology & Management, College of Textiles, North Carolina State University. He has given seminars, consulted, or taught courses in more than 55 countries; his written materials have been translated, collectively, in more than 15 languages; and he has worked with many of the top executives of leading companies throughout the world. His research interests include statistical graphics, quality and productivity management, strategic deployment, mistake proofing, and applied statistics.
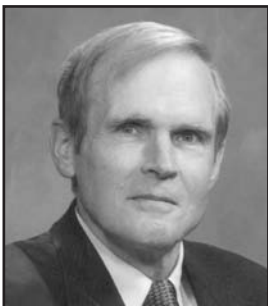
The ASA Presidential Address— *Statistics: a Rights Discipline*
Tuesday, August 9, 8:00 p.m.

Fritz J. Scheuren, University of Chicago

Currently VP Statistics, NORC, University of Chicago, Fritz Scheuren works mainly on sampling issues in applied settings. In recent years, these applications have largely involved human rights matters, both overseas and in the United States. Among other practitioner honors, he has received the Harry Roberts Statistical Advocate Award (from the Chicago ASA Chapter) and the Shiskin Award for Contributions to Economic Statistics (from the National Association of Business Economists and the Washington Statistical Society).

COPSS Fisher Lecture— *Dimension Reduction in Regression*
Wednesday, August 10, 4:00 p.m.

R. Dennis Cook, University of Minnesota

R. Dennis Cook, Professor of Statistics at the University of Minnesota, will deliver the Fisher Lecture on dimension reduction. The Lectureship honors a leading statistician who has contributed to scientific investigation through the development and promotion of statistical methods. Cook is recognized for his contributions in regression diagnostics and graphics, optimal experimental design, nonlinear modeling, and the design and analysis of aerial surveys for snow geese, deer, wild horses, and moose. His contributions have been seminal, including the introduction of the "Cook's distance" measure of influence.

Neyman Lecture
Sunday, August 7, 4:00 p.m.

David Brillinger, University of California, Berkeley

David Brillinger was born in Toronto, Canada. He obtained a bachelor's degree in pure mathematics from the University of Toronto, and earned both a master's degree and a PhD at Princeton University under the supervision of John W. Tukey. He then completed a post-doctoral assignment at the London School of Economics before returning to Princeton to act as a joint lecturer in mathematics for two years. Next, Dr. Brillinger spent five years as statistics lecturer and reader at the London School of Economics. At the end of 1969, he took a position at the University of California, at Berkeley as professor of statistics and has remained there ever since. Dr. Brillinger also is a member of Technical Staff at Bell Telephone Labs.

Wald Lectures
Tuesday, August 9, 4:00 p.m.; Wednesday, August 10, 10:30 a.m.; and Thursday, August 11, 10:30 a.m.

S. R. Srinivasa Varadhan, New York University

S. R. S. Varadhan received his doctoral degree from the Indian Statistical Institute, Calcutta, India, and has spent almost his entire professional career at the Courant Institute of Mathematical Sciences of New York University. His work covers several areas in probability theory, with connections to analysis and mathematical physics. He is a member of the U.S. National Academy of Sciences and a Fellow of the Royal Society in the United Kingdom.

TIME	COURSE	INSTRUCTOR(S)	COURSE TITLE
Saturday, August 6, 2005			
8:00 a.m.–4:00 p.m.	CE_01C	Terence P. Speed/Benjamin M. Bolstad/ Yee Hwa Jean Yang/James Wettenhall	Analysis of Gene Expression Data (2 days)
8:00 a.m.–4:00 p.m.	CE_02C	Peter Mueller/Jack Lee	Bayesian Clinical Trial Design–Approaches and Implementation
8:00 a.m.–4:00 p.m.	CE_03C	Robert Kohn/Christopher K. Carter	Bayesian Methods for Multivariate Regression: Variable Selection and Covariance Selection Models
8:00 a.m.–4:00 p.m.	CE_04C	Hongyu Zhao	Introduction to Statistical Methods in Human Genetics
8:15 a.m.–4:15 p.m.	CE_05C	Terry Therneau	Extending the Cox Model
8:15 a.m.–4:15 p.m.	CE_06C	Steven K. Thompson	Adaptive Sampling
8:15 a.m.–4:15 p.m.	CE_07C	Frank E. Harrell, Jr.	Regression Modeling Strategies
Sunday, August 7, 2005			
8:00 a.m.–4:00 p.m.	CE_01C	Terence P. Speed/Benjamin M. Bolstad/ Yee Hwa Jean Yang/James Wettenhall	Analysis of Gene Expression Data (2 days)
8:00 a.m.–4:00 p.m.	CE_08C	Scott M. Berry/Donald A. Berry	Adaptive Bayesian Clinical Trials
8:00 a.m.–4:00 p.m.	CE_09C	Allan Donner/Neil Klar	Design and Analysis of Cluster Randomization Trials
8:15 a.m.–4:15 p.m.	CE_10C	Donald B. Rubin/Trivellore E. Raghunathan	Multiple Uses of Multiple Imputation
★ 8:15 a.m.–4:15 p.m.	CE_11C	Geert Verbeke/Geert Molenberghs	Models for Repeated Discrete Data
1:00 p.m.–5:00 p.m.	CE_12C	Tim Hesterberg	Bootstrap Methods and Permutation Tests for Doing and Teaching Statistics
Monday, August 8, 2005			
8:00 a.m.–4:00 p.m.	CE_13C	Ralph O'Brien/John Castelloe	Sample-size Analysis for Study Planning
8:00 a.m.–4:00 p.m.	CE_14C	Christy Chuang-Stein/Alex Dmitrienko/ Geert Molenberghs	Analysis of Clinical Trials: Theory and Applications
8:15 a.m.–4:15 p.m.	CE_15C	Richard M. Heiberger/Burt Holland	Statistical Analysis and Data Display
8:15 a.m.–4:15 p.m.	CE_16C	Bradley P. Carlin/Sudipto Banerjee/ Alan E. Gelfand	Hierarchical Modeling and Analysis for Spatial Data
8:15 a.m.–4:15 p.m.	CE_17C	Peter H. Westfall	Multiple Comparisons and Multiple Tests
8:15 a.m.–4:15 p.m.	CE_18C	Geof H. Givens/Jennifer Hoeting	Computational Statistics: Methods for Optimization and Monte Carlo Integration
1:00 p.m.–5:00 p.m.	CE_19C	Margaret S. Pepe	Statistical Methods for Evaluating Tests and Biomarkers in Medicine
1:00 p.m.–5:00 p.m.	CE_20C	Ingram Olkin	Metaanalysis: Statistical Methods for Combining the Results of Independent Studies
Tuesday, August 9, 2005			
8:00 a.m.–Noon	CE_21C	Edward Wegman	Statistical Data Mining
8:00 a.m.–4:00 p.m.	CE_22C	Wayne Nelson	Applied Recurrent Events Data Analysis
8:00 a.m.–4:00 p.m.	CE_23C	Bruno Sansó	Bayesian Inference
8:15 a.m.–4:15 p.m.	CE_24C	Jun S. Liu	Monte Carlo Methods in Bayesian Modeling with Applications to Bioinformatics
8:15 a.m.–4:15 p.m.	CE_25C	Charles S. Davis	Categorical Data Analysis
8:15 a.m.–4:15 p.m.	CE_26C	David Ruppert/Ciprian Crainiceanu	Semiparametric Regression
Wednesday, August 10, 2005			
8:00 a.m.–9:45 a.m.	CE_27T	John Castelloe	Power and Sample Size Analysis Using SAS/STAT Software
8:00 a.m.–9:45 a.m.	CE_28T	Dan Steinberg/Mikhael Golovnya	Introduction to CART: Data Mining with Decision Trees
8:00 a.m.–9:45 a.m.	CE_29T	Cyrus R. Mehta	East v4: a Comprehensive Package for Adaptive and Group Sequential Design, Interim Monitoring, and Simulation
10:00 a.m.–11:45 a.m.	CE_30T	Oliver Schabenberger	Statistical Analysis with the GLIMMIX Procedure
10:00 a.m.–11:45 a.m.	CE_31T	Dan Steinberg/Mikhael Golovnya	Introduction to MARS: Predictive Modeling with Nonlinear Automated Regression Tools
10:00 a.m.–11:45 a.m.	CE_32T	Damir Spisic	Complex Samples in SPSS
1:00 p.m.–2:45 p.m.	CE_33T	Colin (Lin) Chen/Ying Wei	Robust Regression and Quantile Regression Using SAS/STAT Software
1:00 p.m.–2:45 p.m.	CE_34T	Dan Steinberg/Mikhael Golovnya	Advances in Data Mining: Jerome Friedman's MART and Leo Breiman's Random Forests
1:00 p.m.–2:45 p.m.	CE_35T	Michael Borenstein/Hannah R. Rothstein	Metaanalysis—New Software for Computing Treatment Effects, Running Analyses, and Creating Forest Plots
3:00 p.m.–4:45 p.m.	CE_36T	Sharad Prabhu	Design and Analysis of Experiments Using the ADX Interface in SAS Software
3:00 p.m.–4:45 p.m.	CE_37T	Shawn Harahush	From Software to Solutions in Statistics and Risk Analysis
3:00 p.m.–4:45 p.m.	CE_38T	William F. Finzer/Robin H. Lock	How the Dynamic Manipulation Capabilities of Fathom 2 Can Improve Students' Learning Experiences in Intro Stats and Stats II Courses

★ *2004 Excellence-in-CE Award Winner*

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 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, the JSM Placement Service is here to help! Please see page 20 for hours of operation.

Employers (✦ = Executive Suite Employers)

ACNielsen ✦
Amgen Inc. ✦
The ASA
Australian Graduate School of Management
Baruch College, City University of New York
Battelle ✦
Boston Scientific ✦
Bristol-Myers Squibb ✦
Bureau of Labor Statistics
Capital One ✦
Case Western Reserve University, MetroHealth
   Medical Center
D&B
Dupont
Eisai Global Clinical Development
Eli Lilly and Company ✦
GE Consumer Finance ✦
Genentech ✦
HHS/FDA/CVM/ONADE, HFV-105
IBM T. J. Watson Research Center
Insightful Corporation
Internal Revenue Service, Statistics of
   Income Division
Johnson & Johnson Family of Companies
Kennesaw State University
Lawrence Livermore National Laboratory
Maritz Research
Mayo Clinic, Division of Biostatistics ✦
Medical College of Georgia
Merck & Co., Inc.
Merck Research Laboratories ✦
Monsanto Company
National Opinion Research Center (NORC)
   at the University of Chicago ✦
Novartis Pharmaceuticals
Old Dominion University
PPD, Inc. ✦
Pacific Northwest National Laboratory ✦
Proctor & Gamble
Quintiles, Inc. ✦
Regulatory & Clinical Research Institute, Inc.
Sanofi-Synthélabo Inc., a member of the
   sanofi-aventis Group ✦
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Stat-Ease, Inc.
Stanford University, Statistics Department
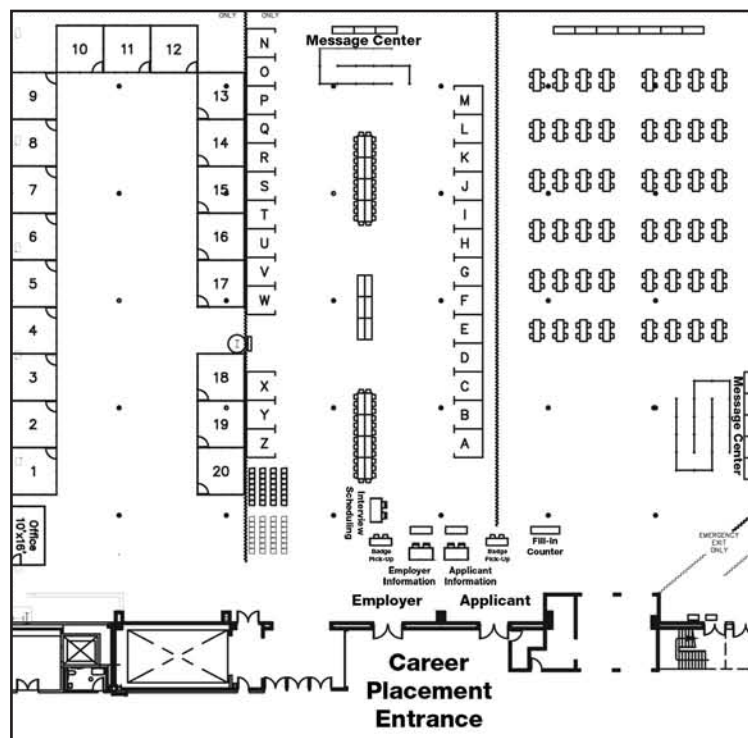
The Cambridge Group, Ltd.
The Ohio State University, School of Public Health
Thomas Jefferson University
U.S. Census Bureau
U.S. Consumer Product Safety Commission
U.S. Food and Drug Administration/Center for
   Devices and Radiological Health ✦
U.S. Food and Drug Administration/Center for
   Drug Evaluation & Research ✦
University of Denver, Department of Statistics &
   Operations Tech
University of Florida, Division of Biostatistics ✦
University of Kentucky
University of Minnesota
University of Utah, School of Medicine
University of Wisconsin at Milwaukee
USDA Center for Veterinary Biologics
Vanderbilt University
W. L. Gore & Associates
Washington University in St. Louis—Biostatistics
Westat
Wyeth ✦
Wyeth Pharmaceuticals

LISTING OF EXHIBITORS (by booth number)

Booth	Exhibitor Name
100, 102	JMP, a business unit of SAS
101, 103, 105	SAS Institute
104, 106, 108	SAS Publications
107, 109	Minitab Inc.
110	SAS Education
112, 114	Cytel Software Corporation
113	Project Euclid/Cornell University Library
115	Institute of Mathematical Statistics (IMS)
116	Resampling Stats, Inc.
117	Systat Software, Inc.
118	Johnson & Johnson
200, 202	RTI International
201	NCSS
203, 205	Oxford University Press
204	Visual Numerics, Inc.
206	General Electric
207, 209	StatPoint, Inc.
208	Salford Systems
212	U.S. Centers for Disease Control and Prevention
213, 215, 217	Duxbury, Thomson Learning
214	Statistical Society of Canada (SSC)
216	South-Western, Thomson Learning
300. 302	Elsevier/Academic Press
301	Eli Lilly and Company
303, 305	W.H. Freeman & Company
304	IRS, Statistics of Income
306, 308	Insightful Corporation
307	Hawkes Learning Systems
309	Smith Hanley
312	MacKichan Software
313	Sage Publications
314	Battelle Memorial Institute
315	ASG, Inc.
316	Palisade Corporation
317	Aptech Systems, Inc.
400	USDA/NASS
401, 403, 405, 500, 502	CRC Press-Taylor & Francis
402	Stat-Ease, Inc.
404	MedFocus
406	Data Description, Inc.
407	COMSYS
408	Addison-Wesley
412	Blackwell Publishing
413, 512	SPSS Inc.
414	Amgen Inc.
415	EQUBITS
416	Kforce Clinical Research Staffing
417	Novartis Pharmaceuticals
501, 503	Cambridge University Press
504, 505, 506, 507	Springer
513	U.S. Department of Education—Institute of Education Sciences (IES)
514, 516	U.S. Census Bureau
515	Minnesota Population Center
517	Bureau of Labor Statistics (BLS)
600	National Center for Health Statistics (NCHS)
601, 603	Prentice Hall
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706	Kelly Scientific Resources
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▲ Pinnacle Partner ○ Silver Partner ★ Gold Partner ◆ Diamond Partner

ASA-SIAM Series, Alexandria, VA **614**
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.

ASG, Inc., Cary, NC **315**
ASG, Inc., is a growing national company with five offices dedicated to providing experienced professionals to staff positions in clin-ical research, SAS programming, data management, regulatory affairs and statistical analysis for customers capturing, analyzing, and producing data in the pharmaceutical, biotech, health care, and financial industries.

ASPE—Assistant Secretary for Planning and Evaluation, Washington, DC **707**
The Office of the Assistant Secretary for Planning and Evaluation (ASPE) is the principal policy advisor to the Secretary of the Department of Health and Human Services. ASPE works directly with the Secretary, providing advice on a range of issues—from human services and aging to health and science policy.

Addison-Wesley, Upper Saddle River, NJ **408**
Please visit Addison-Wesley in Booth 408. Come explore a full display of statistics titles, including the new second edition of DeVeaux/Velleman/Bock's *Intro Stats*, and meet authors. Try out some of the new and exciting technology, including MyMathLab and ActivStats—come see what the buzz is about!

Allergan, Irvine, CA **705**

American Statistical Association, Alexandria, VA **700**
Since 1839, the ASA has been the world'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 Inc.,** Thousand Oaks, CA **414**
Amgen Inc. is the world's largest biotechnology company. Its mission is to serve patients. For nearly 25 years, the company has used scientific discovery and innovation to dramatically improve people's lives. Visit them at *www.amgen.com*. As an EEO/AA employer M/F/D/V, Amgen Inc. values and encourages diversity in the workplace.

Aptech Systems, Inc., Maple Valley, WA **317**
GAUSSplot™ Professional Graphics combines the power/speed of GAUSS™, a complete numerical/data-analysis package, with state-of-the-art graphics to quickly/efficiently meet the complex visualization needs of today's demanding work environment. GAUSSplot™ supports a wide variety of plot-types/file export formats with a fully-functional GUI.

Battelle, Columbus, OH **314**
Battelle is a science and technology enterprise that develops and commercializes technology and manages laboratories. Head-quartered in Columbus, Ohio, they have been technology innovators for 75 years. Battelle, with the national labs it manages or co-manages, oversees 19,000 staff members and conducts $2.9 billion year in R&D at more than 100 locations.

Biostat, Inc., Englewood, NJ **613, 615**
Comprehensive Meta Analysis—A computer program for meta-analysis and systematic reviews (*www.Meta-Analysis.com*). Power And Precision—A computer program for power analysis and sample size (*www.Power-Analysis.com*).

Blackwell Publishing, Malden, MA **412**
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 their books and journals, visit *www.blackwellpublishing.com*.

Bureau of Labor Statistics, Washington, DC **517**
The Bureau of Labor Statistics is the principal fact-finding agency for the federal government. It provides statistical data online at *www.bls.gov* and in various publications.

COMSYS, Portage, MI **407**
COMSYS (formerly Trilogy Consulting) is the leading provider of SAS, statistics and clinical services to companies nationwide. They help statisticians and programmers support their customers faster and more efficiently with analytical applications. COMSYS is a SAS Alliance Gold Partner with more than 80 offices in the United States and Canada.

★ **CRC Press-Taylor & Francis**
Boca Raton, FL **401, 403, 405, 500, 502**
Chapman & Hall/CRC and Taylor & Francis, members of the Taylor & Francis group, are premier publishers of scientific books, journals, and databases. Please visit their booth to pick up a journal sample copy or to browse their latest statistics books at a conference discount of up to 50%.

Cambridge University Press, New York, NY **501, 503**
Cambridge's new offerings in statistics, biostatistics, econometrics, mathematical finance, and more are available at a 20% discount at Booths 501 and 503. New titles in the Cambridge Series in Statistical and Probabilistic Mathematics include *Essentials of Statistical Inference*, by G. A. Young and R. L. Smith, and *Elements of Distribution Theory*, by Thomas A. Severini.

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◯ **Capital One,** Richmond, VA   **714**
Capital One® Financial Corporation is a publicly held bank-holding company based in McLean, Virginia. Its principal subsidiaries, Capital One Bank and Capital One, F.S.B., offer consumer lending products and are among the largest providers of MasterCard and Visa credit cards in the world.

◯ **Cytel Software Corporation,** Cambridge, MA   **112, 114**
Cytel Software provides computer technology for solving your toughest statistical problems. East software is for the design, simulation, and interim monitoring of group sequential and adaptive flexible clinical trials. StatXact® and LogXact® software is for exact statistical inference. Cytel provides software, training, and consulting.

Data Description, Inc., Ithaca, NY   **406**
Data Description is demonstrating Data Desk 7. This version supports direct attachment to databases, offers tools for custom-ization, provides a cleaner interface, and offers new tools for exploring and modeling data. The company also is demonstrating all of its multimedia courses including, ActivStats, ActivEpi, and ProgramLive.

◯ **Duxbury, Thomson Learning,** Belmont, CA   **13, 215, 217**
Visit Duxbury-Thomson Learning Publishers at Booth 213. View their latest publications and technology innovations. With more than 30 years experience publishing in the field of statistics, Duxbury is the source for complete solutions for all teaching needs from introductory to advanced statistics courses. Duxbury: a Tradition of Quality and Innovation.

EQUBITS, Palo Alto, CA   **415**
EQUBITS is a market leader in providing easy-to-use, accurate, interpretable, and automated Support Vector Machine (SVM) based software for modelers world-wide. EQUBITS Foresight is an easy-to-use desktop and enterprise software built on SVM technology that provides high predictive accuracy, interpretation, and discovery.

◆ **Eli Lilly and Company,** Indianapolis, IN   **301**
Eli Lilly and Company is a leading, innovation-driven corporation committed to developing a growing portfolio of best-in-class and first-in-class pharmaceutical products that help people live longer, healthier, and more active lives. They are committed to providing answers that matter.

Elsevier/Academic Press, Burlington, MA   **300,302**
Elsevier/Academic Press is a worldwide leader in scientific and technical publishing. See their latest titles, *Introductory Statistics, 2E, Introduction to Probability and Statistics for Engineers and Scientists, 3E, Statistics in Medicine, 2E,* and more. Pick up instructor copies, 10-30% savings, and sample journals, including *Statistical Methodology*. Visit *www.elsevier.com* or *books.elsevier.com/apmath*.

General Electric, Stamford, CT   **206**
GE is a diversified company dedicated to creating products that make life better. GE operates in more than 100 countries and employs more than 300,000 people worldwide across 11 businesses. For more than 125 years, they have been admired for their performance and imaginative spirit.

Hawkes Learning Systems, Charleston, SC   **307**
For 20 years, Hawkes Learning Systems has specialized in math courseware. Their courseware is based on mastery-level learning and offers unlimited practice problems, tutorials, and intelligent feedback. On its own or as a supplement, their courseware improves student performance and provides instructors with an online gradebook and state-of-the-art test generator.

IRS, Statistics of Income, Washington, DC   **304**
The Statistics of Income (SOI) Division produces data files compiled from tax and information returns filed with the Internal Revenue Service. There is a wealth of information about the financial composition of individuals, business taxpayers, tax-exempt organizations, and more, available through publications, electronic databases, and the IRS web site.

Insightful Corporation, Seattle, WA   **306, 308**
Insightful Corporation is a leading provider of scalable data and text analysis solutions that drive better decisions faster by integrating statistics into business processes. The S-PLUS® product family, including the recently released S-PLUS 7—which supports analysis of very large datasets, delivers leading solutions for exploratory data analysis and statistical modeling.

Institute of Mathematical Statistics, Beachwood, OH   **115**
Institute of Mathematical Statistics (IMS) is an international professional society devoted to the development and dissemination of the theory and applications of statistics and probability. Its activities include sponsorship of journals and other scientific publications, organization of scientific meetings, and cooperation with other scientific organizations.

Intelligent Results, Inc., Bellevue, WA   **719**
Intelligent Results, Inc., provides customer analytics that maximize profits and generate unprecedented insight for organizations spanning industries. By integrating all customer interactions and data, applying advanced data mining, and providing the power to build more accurate, timely, and relevant models, Intelligent Results, Inc., drives businesses to new levels of analytic performance.

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JMP, a business unit of SAS, Cary, NC   **100, 102**
Learn how JMP software can help your organization make significant process improvements that increase the efficiency of doing business and give you a competitive edge. JMP links statistics with graphics to interactively explore, understand, and visualize data, providing statistical tools, DOE, and Statistical Quality Control in a single package.

JSM 2006 Seattle, Alexandria, VA   **704**
Visit the Seattle booth in the Exhibit Hall and find out more about "Statistics for an Uncertain World: Meeting Global Challenges." Get information about the conference hotels and registration costs and learn more about Seattle.

Johnson & Johnson Family of Companies,
New Brunswick, NJ   **118**
Johnson & Johnson develops treatments that improve the health and lifestyles of people worldwide. Research and development areas encompass novel targets in neurologic disorders, gastroenterology, oncology, infectious disease, diabetes, hematology, metabolic disorders, immunologic disorders, and reproductive medicine.

Kelly Scientific Resources, Troy, MI   **706**
Kelly Scientific Resources is a leading clinical research solutions provider and part of the Kelly Services global service network. Their specialize in delivering the highest quality support to their customers. Their specialty services include clinical research work-force augmentation, direct placement, project solutions, and outplacement at all levels.

Key College Publishing, Emeryville, CA   **606**
Dedicated to publishing bold alternatives to traditional mathematics, Key College Publishing offers the most dynamic courseware in undergraduate mathematics and statistics and mathematics education. They offer textbooks, instructor resources, and electronic learning solutions as well as the widely acclaimed *Developing Mathematics Series (COMAP)*. Visit them at *www.keycollege.com*.

Kforce Clinical Research Staffing, Tampa, FL   **416**
Kforce Clinical Research Staffing provides functional outsourcing alternatives and traditional staffing services for the bio-pharma industries, including monitoring, clinical trial management, project management, drug safety, data management, SAS™ programming, biostats, and data entry for Phases I-IV.

MacKichan Software, Poulsbo, WA   **312**
New! Scientific WorkPlace 5.5 simplifies writing, sharing, and doing mathematics. A click of a button allows you to typeset in LaTeX. The integrated computer algebra system lets you solve and plot equations; animate 2D and 3D plots; rotate, move, and fly through 3D plots; create 3D implicit plots; and more.

Math Alive and Applied, DeWitt, NY   **716**
Self-publisher of *Math Alive and Applied* and its accompanying solutions manual. This unique textbook, with a conversational writing style and sense of humor, covers finite math and calculus. It features many probability and statistics applications, computer usage, and innovative teaching methods. This instructional package is ideal for independent study.

McGraw-Hill/Irwin, Burr Ridge, FL   **617**
McGraw-Hill is the leading provider of textbooks and technology applications in higher education. Offering a wide range of high-quality and carefully reviewed materials to support your courses. McGraw-Hill is your best resource for student success. Start smart. Start with McGraw-Hill.

MedFocus, LLC., Des Plaines, IL   **404**
MedFocus offers clinical and scientific research contract outsourcing and staffing specifically to the pharmaceutical, biotechnology, and medical device industries. They specialize in the nationwide recruitment of clinical trials personnel and scientific/laboratory personnel. Please email requirements or résumés to *dhands@medfocus.com*.

★ **Minitab Inc.,** State College, PA   **107, 109**
MINITAB® Release 14 is the leading statistical software package used in education. Instructors at more than 4,000 colleges, universities, and high schools around the world use MINITAB because it contains all the statistical methods students need and is powerful, reliable, and easy-to-use. Free demo: *www.minitab.com/minitab14*.

Minnesota Population Center, Minneapolis, MN   **515**
The Minnesota Population Center (*www.pop.umn.edu/index.shtml*) is an inter-disciplinary cooperative for demographic research and a leading developer and disseminator of demographic data. The following datasets are available (or in production): IPUMS-USA, IPUMS-International, IPUMS-CPS, the National Historical Geographic Information System (NHGIS), the North Atlantic Population Project, and the Integrated Health Interview Survey.

NCSS, Kaysville, UT   **201**
PASS 2005—a new power analysis and sample size program with more than 60 new routines—will be shown. NCSS 2004 for statistical analysis and graphics. Come by and pick up a free demo.

National Center for Health Statistics, Hyattsville, MD   **600**
The NCHS 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 products.

Gertrude Cox Scholarship Race

5K Race and 2.5K Fun Run/Walk Tuesday, August 9

The Caucus for Women in Statistics, in conjunction with the ASA, presents the 16th annual Gertrude Cox Scholarship Race at the Joint Statistical Meetings in Minneapolis, Minnesota. 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 9, at 7:00 a.m.

Where: Location and logistical information will be posted at the caucus table on Level One of the Minneapolis Convention Center.

How Much: The entry fee is **$20.00**.

Registration: Those interested in participating are encouraged to register early. You may register during JSM at the hospitality table for the Caucus for Women in Statistics on Level One of the Minneapolis Convention Center, in the registration area. All participants must sign a registration form and waiver. T-shirts for all preregistered runners will be distributed at the race. If you have questions, please contact Lori Thombs at *thombsl@missouri.edu* or (573) 882-3844.

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REGISTRATION FORM *(each participant must complete and sign form)*

Name _____

Address _____ City _____

State/Province_____ Zip/Postal Code _____ Phone _____

Sex   ❑ M   ❑ F   Age _____
Event   ❑ 5K Race   ❑ 2.5K Fun Run/Walk
T-shirt size   ❑ S   ❑ M   ❑ L   ❑ XL

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; and 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 to (573) 884-5524.

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Novartis Pharmaceuticals Corporation, East Hanover, NJ   **417**
Novartis Pharmaceuticals Corporation researches, develops, manufactures, and markets leading innovative prescription drugs used to treat a number of diseases and conditions, including central nervous system disorders, organ transplantation, cardiovascular diseases, dermatological diseases, respiratory disorders, cancer, and arthritis. The company's mission is to improve people's lives by pioneering novel health care solutions.

Oxford University Press, New York, NY   **203, 205**
Oxford University Press is the oldest publisher in the English language and known throughout the world for the quality of their publications. A department of Oxford University, OUP publishes more than 4,000 titles and 150 journals a year. Stop by their booth and save 20% on all titles on display. Visit them at *www.oup.com/us.*

Palisade Corporation, Ithaca, NY   **316**
Palisade Corporation has been a leading provider of risk analysis, decision analysis, optimization, and data analysis software since 1984. In 2003, Palisade released StatTools—a statistical analysis add-in for Microsoft Excel. StatTools replaces Excel's statistics functions with a robust and accurate set of statistical analysis procedures and routines.

Pfizer Global Research and Development, New London, CT   **602, 604**
Pfizer Global Research and Development's discovery and development division is one of the finest pharmaceutical research institutions in the world. Pfizer discovers and delivers medicines to enhance the health of people and animals. Their search for new treatments spans research projects across multiple therapeutics areas—more than any other.

Placemart Personnel Service, Tinton Falls, NJ   **712**
Placemart Personnel Service specializes in executive search services in clinical drug and medical product R&D. For more than 39 years, they have been matching jobs and job candidates in Biostatistics. Typical positions include directors, managers, project managers, group leaders, biostatisticians, data analysts, and statistical programmers. For additional details, visit *www.placemart.com.*

Prentice Hall, Upper Saddle River, NJ   **601, 603**
Prentice Hall will display statistics textbooks ranging from the introductory level, such as Agresti/Franklin's *Statistics (preliminary edition)* and McClave/Sincich's *Statistics, 10E,* to more advanced and specialized course texts, such as Epstein's *Medical Image Processing,* and Hogg/Tanis' *Probability and Statistical Inference, 7E.*

Project Euclid/Cornell University Library, Ithaca, NY   **113**
Project Euclid is a user-centered online publishing service designed specifically for the effective and affordable distribution of serial literature in mathematics and statistics. Project Euclid addresses 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   **702**
Visit the Publishers' Book Display booth to review books and literature from publishers unable to attend this year's JSM. Discounted order forms will be available.

RTI International, RTP, NC   **200, 202**
For 46 years, RTI statisticians have developed and applied scientifically-accepted statistical methodologies to address national and global public policy issues. One of the tools developed and distributed by RTI is the internationally recognized SUDAAN statistical software package, which provides various procedures for analyzing survey and other cluster-correlated data.

Resampling Stats, Inc., Arlington, VA   **116**
Software for resampling and data mining: Resampling Stats (standalone 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).

SAS Education, Cary, NC   **110**
SAS Higher Education Consulting works with universities and community colleges to provide curriculum consulting, academic trainer's kits, and other partnering opportunities, *www.sas.com/services/index.html. The Design and Institute for Six Sigma,* from SAS, provides extensive Six Sigma training, consulting, and mentoring services for transactional or production-based organizations, *support.sas.con/difss.* To explore SAS Higher Education Consulting and SAS' Design Institute for Six Sigma, visit Booth 110.

▲ SAS Institute, Cary, NC   **101, 103, 105**
SAS will exhibit its analytical software for statistics, data mining, econometrics, and statistical quality control. Please visit their booth and learn about statistical graphics directions and new downloadable software for quantile regression and generalized linear mixed model analysis.

SAS Publishing, Cary, NC   **104, 106, 108**
Visit Booth 104 to learn more about
  • SAVING 20% on orders placed or mailed by September 15
  • New SAS Documentation titles
  • New SAS Press titles
  • SAS® Learning Edition 2.0
  • SAS® Self-Paced e-Learning
  • SAS Certification.
SAS® staff is available to answer any questions.

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SIAM-Society for Industrial & Applied Mathematics,
Philadelphia, PA   **616**
Visit their booth to see new publications. SIAM was organized in 1951 to:
- Advance the application of mathematics to science and industry;
- Promote mathematical research for new methods and techniques; and
- Provide media for the exchange of information and ideas among mathematicians, engineers, and scientists.

◆ **SPSS Inc.,** Chicago, IL   **413, 512**
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.

Sage Publications, Thousand Oaks, CA   **313**
Celebrating 40 years of global publishing. Sage Publications provides journals, books, and electronic media of the highest caliber. Please stop by their booth or visit them at *www.sagepub.com* to review their publications and/or discuss publishing ideas.

Salford Systems, San Diego, CA   **208**
Salford Systems develops advanced statistical and data mining software, including the CART® decision tree, MARS® non-linear 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.

○ **Smith Hanley,** New York, NY   **309**
Their 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, they've provided clients and recruits, dedicated service, experience, and insight into industry trends for positions at all levels. Visit them at *www.smithhanley.com* and *www.smithhanley-consulting.com*.

South-Western, Thomson Learning, Belmont, CA   **216**
Thomson Learning/South-Western strives to provide the material needed to make statistics relevant and interesting to students as they prepare for the world of work. As the top business publisher they can help with the highest quality print and technology offerings for undergraduate and graduate statistics and management science courses.

○ **Springer,** New York, NY   **504, 505, 506, 507**
Springer is one of the most renowned scientific publishing companies in the world. Its publications cover subjects ranging from the natural sciences, mathematics, engineering, and computer science to medicine, humanities, economics, and law. Springer publishes more than 3,400 new books each year and 1,250 journals, most of which also are available in electronic form.

Stat-Ease, Inc., Minneapolis, MN   **402**
Stat-Ease, Inc., produces two easy-to-use Windows programs for design of experiments (DOE), including Design-Ease® software for finding breakthrough factors and Design-Expert® software for optimization. The company also offers computer-intensive DOE workshops, including Experiment Design Made Easy, Response Surface Methods for Process Optimization, and Mixture Design for Optimal Formulations.

★ **StatPoint, Inc.,** Orlean, VA   **207, 209**
The next generation of statistical software, STATGRAPHICS Centurion XV from StatPoint, Inc. Entirely redesigned with a dynamic new interface, more than 150 new procedures and robust functionality. Powerful and intuitive, yet still the leader in ease of use. Visit *www.statgraphics.com* for demo. STATGRAPHICS Centurion XV...the stat package "you wish you had."

StatSoft, Inc., Tulsa, OK   **605, 607**
StatSoft, Inc., creators of STATISTICA, is one of the largest developers of enterprise-wide and single-user software for data analysis, data mining, and quality control worldwide. STATISTICA has received the highest rating in EVERY comparative review of statistics software since its first release (1993)—a record unmatched in the industry.

Statistical Society of Canada, Ottawa, ON   **214**
The Statistical Society of Canada's mission is to encourage the development and use of statistics and probability in Canada. It is the Canadian equivalent of the American Statistical Association. The Statistical Society of Canada also offers two levels of accreditation, the Professional Statistician (P.Stat.) and the Associate Statistician (A.Stat).

Statistical Solutions, Saugus, MA   **717**
Specializing in niche statistical software development and distribution, including nQuery Advisor Sample Size & Power Determination, Solas for missing data analysis, offering six imputation techniques, EquivTest for equivalence and bio-equivalence studies; Patient Profiles to create individual patient reports tracking history, and AE.

Systat Software, Inc., Richmond, CA   **117**

Systat Software, Inc., provides specialized scientific software products and services for the environment sciences, life sciences, behavioral sciences, medical research, and engineering. Their products are used by the world's top companies, research centers, and universities and now include SigmaPlot, SigmaStat, SigmaScan, SYSTAT, TableCurve2D, TableCurve3D, PeakFit, and AutoSignal.

The Cambridge Group Ltd., Westport, CT   **612**

The Cambridge Group Ltd. focuses on careers in biostatistics, clinical data management, clinical systems, SAS programmers and more. Opportunities range from entry level through senior and 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.

U.S. Census Bureau, Washington, DC   **514, 516**

For more than 100 years, the U.S. Census Bureau has been the preeminent collector and provider of quality data for the United States. Materials include print, CD/DVDs, and *www.census.gov* which contains the American FactFinder data access tool; the Statistical Abstract; and links to Census Bureau programs, products, and more.

U.S. Centers for Disease Control and Prevention, Atlanta, GA   **212**

The U.S. Centers for Disease Control and Prevention is one of the 13 major operating components of the U.S. Department of Health and Human Services, which is the principal agency in the United States government for protecting the health and safety of all Americans and for providing essential human services.

U.S. Department of Education—Institute of Education Sciences (IES), Washington, DC   **513**

IES is the research evaluation and statistics-gathering arm of the U.S. Department of Education.

USDA/NASS, Washington, DC   **400**

The National Agricultural Statistics Service is a world leader in sampling, data collection, and estimation procedures for economic, environmental, and agricultural surveys and censuses. The agency also creates a number of remote sensing and geographic information system statistical products and conducts ongoing applied research on statistical methodology and estimation approaches.

Visual Numerics, Inc., San Ramon, CA   **204**

Visual Numerics has provided analysis and visualization software to academia on platforms such as C, .NET, Java, and FORTRAN for decades. It delivers tools for conducting research and building curricula for students; the unique combination of the IMSL Libraries, PV-WAVE, and expert professional services is unsurpassed for analytical applications.

W.H. Freeman & Company, New York, NY   **303, 305**

W.H. Freeman & Company is noted for their outstanding publications and software in statistics. Visit their booth to peruse their texts for general statistics, business statistics, probability and statistics, design of experiments, and Advance Placement.

○ **Wiley,** Hoboken, NJ   **709, 711, 713, 715**

John Wiley & Sons, Inc., (*www.wiley.com/statistics*) provides state-of-the-art scientific information, including world-class journals (*Statistics in Medicine*) and superior texts and references (*Statistics for Experimenters, 2e*; *Encyclopedia of Biostatistics, 2e*; and *Encyclopedia of Statistical Science, 2e*). Visit the Wiley booth to save on books and discover electronic products on **Wiley InterScience**.
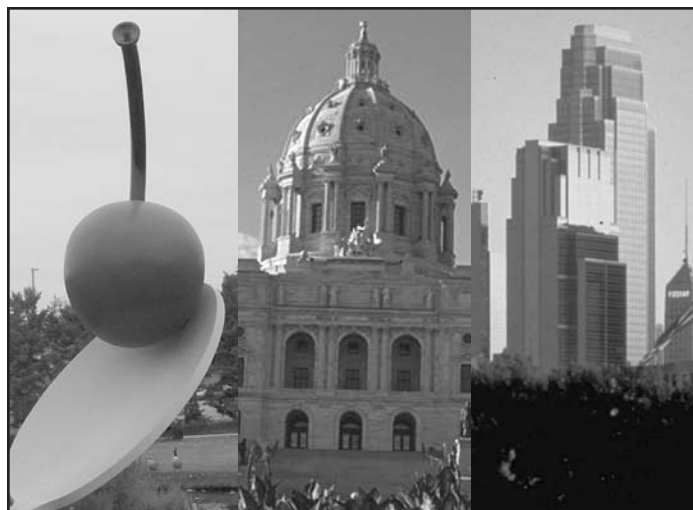
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PRINCIPAL BIOSTATISTICIAN
This position is generally a lead statistician on multiple studies in one drug development program, and requires 6-8 years of experience with a Master's or 4-6 years with a Doctorate.

SENIOR BIOSTATISTICIAN
This position generally serves as lead statistician on one study, and requires 2 years of experience with a Master's or 0-1 year of experience with a Doctorate.

BIOSTATISTICIAN
This position's primary duties include protocols, analysis plans and analyses under the direction of an experienced statistician. This position requires 0-1 year of experience.

STATISTICAL PROGRAMMER
Program tables, listings and figures in SAS UNIX environment. The experience requirement for this position is 0-8 years or more, depending on the starting level.

To learn more about these positions, please visit us online at **www.amgen.com/careers** or contact Steve Borowski, Senior Staffing Consultant, at borowski@amgen.com

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w w w . a m g e n . c o m / c a r e e r s

Image: Human red blood cell.

☆ Themed Session ✳ Applied Session ✦ Presenter **MCC**-Minneapolis Convention Center **H**-Hilton Minneapolis **HY**-Hyatt Regency Minneapolis

Session Tag Descriptions

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

THEME ☆

JSM Theme sessions are directly relevant to the 2005 JSM theme, "Using our discipline to enhance human welfare." These sessions highlight presentations and discussions on forward-looking topics that 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 4

Committee/Business Meetings & Other Activities

5:00 p.m.–6:15 p.m.   H-Director's Row 1
The ASA Management Review Committee (closed)
Chair(s): Fritz J. Scheuren, The University of Chicago

6:30 p.m.–9:30 p.m.   H-Director's Row 1
The ASA Joint Budget and Planning Committees Working Dinner (closed)
Chair(s): Fritz J. Scheuren, The University of Chicago

FRIDAY, AUGUST 5

Committee/Business Meetings & Other Activities

7:30 a.m.–10:45 a.m.   HY-Skyway Suite A
The ASA Executive Committee (closed)
Chair(s): Fritz J. Scheuren, The University of Chicago

11:00 a.m.–6:30 p.m.   HY-Mirage Room
The ASA Board of Directors (closed)
Chair(s): Fritz J. Scheuren, The University of Chicago

12:00 p.m.–1:30 p.m.   HY-Skyway Suite B
The ASA Board of Directors Lunch (closed)
Chair(s): Fritz J. Scheuren, The University of Chicago

6:30 p.m.–7:30 p.m.   H-Imperial Suite
JSM Staff and the ASA Board Reception (closed)
Chair(s): Fritz J. Scheuren, The University of Chicago; William B. Smith, The ASA

SATURDAY, AUGUST 6

Tours

6:00 p.m. Off Property-Hubert H. Humphrey Metrodome
TR01 - Minnesota Twins Baseball Game

GENERAL PROGRAM SCHEDULE

☆ Themed Session   ✳ Applied Session   ✦ Presenter   **MCC**-Minneapolis Convention Center   **H**-Hilton Minneapolis   **HY**-Hyatt Regency Minneapolis

Committee/Business Meetings & Other Activities

7:00 a.m.–6:00 p.m.   MCC-Level 1, Registration Lobby
JSM Main Registration
The ASA Communities Booth
Special Assistance and Press Desk

7:00 a.m.–6:00 p.m.   MCC-204 A
Speaker Work Room

7:00 a.m.–6:00 p.m.   MCC-204 B
Speaker Work Room

7:00 a.m.–11:00 p.m.   MCC-Level 1, Registration Lobby
Cyber Café and Message Center

7:45 a.m.–9:00 a.m.   HY-Skyway Suite B
The ASA Board of Directors Breakfast (closed)
Chair(s): Fritz J. Scheuren, The University of Chicago

8:00 a.m.–4:00 p.m.   HY-Mirage Room
The ASA Board of Directors (closed)

8:00 a.m.–5:00 p.m.   MCC-Exhibit Hall C
Exhibitor Move in and Lounge

9:00 a.m.–5:00 p.m.   MCC-Exhibit Hall C
**Career Placement Service
(electronic registration Only)**

10:00 a.m.–6:00 p.m.   MCC-Level 1, Registration Lobby
Minneapolis Restaurant Reservations Desk

11:30 a.m.–12:30 p.m.   H-Director's Row 4
Association of GCRC Statisticians Lunch (closed)
Organizer(s): Curtis A. Parvin, Washington University School of Medicine

12:00 p.m.–1:00 p.m.   HY-Skyway Suite B
The ASA Board of Directors Lunch (closed)
Chair(s): Fritz J. Scheuren, The University of Chicago

12:00 p.m.–5:00 p.m.   MCC-Level 1, Registration Lobby
The ASA Marketplace

12:00 p.m.–5:00 p.m.   HY-Lake of the Isles
IMS Executive Committee Meeting (closed)
Organizer(s): Elyse Gustafson, Institute of Mathematical Statistics

12:30 p.m.–5:30 p.m.   H-Duluth
Association of GCRC Statisticians Meeting (closed)
Organizer(s): Curtis A. Parvin, Washington University School of Medicine

Continuing Education (Fee Events)

CE_01C   MCC-101 I
8:00 a.m.–4:00 p.m.
Analysis of Gene Expression Data—2 Day Course
The ASA

Instructor(s): Terence P. Speed, University of California, Berkeley; Benjamin M. Bolstad, University of California, Berkeley; Yee Hwa Jean Yang, University of California, San Francisco; James Wettenhall, Walter and Eliza Hall Institute of Medical Research

CE_02C   MCC-101 G
8:00 a.m.–4:00 p.m.
Bayesian Clinical Trial Design—Approaches and Implementation
The ASA, Section on Bayesian Statistical Science, Biopharmaceutical Section

Instructor(s): Peter Mueller, The University of Texas M. D. Anderson Cancer Center; J. Jack Lee, The University of Texas M. D. Anderson Cancer Center

CE_03C   MCC-101 F
8:00 a.m.–4:00 p.m.
Bayesian Methods for Multivariate Regression: Variable Selection and Covariance Selection Models
The ASA, Section on Bayesian Statistical Science

Instructor(s): Robert Kohn, University of New South Wales; Christopher K. Carter, CSIRO

CE_04C   MCC-101 J
8:00 a.m.–4:00 p.m.
Introduction to Statistical Methods in Human Genetics
The ASA, Biometrics Section
Instructor(s): Hongyu Zhao, Yale University

CE_05C   MCC-101 A
8:15 a.m.–4:15 p.m.
Extending the Cox Model
The ASA
Instructor(s): Terry M. Therneau, Mayo Clinic

CE_06C   MCC-101 C
8:15 a.m.–4:15 p.m.
Adaptive Sampling
The ASA, Section on Survey Research Methods

Instructor(s): Steven K. Thompson, The Pennsylvania State University

GENERAL PROGRAM SCHEDULE

★ Themed Session   ✳ Applied Session   ✦ Presenter   **MCC**-Minneapolis Convention Center   **H**-Hilton Minneapolis   **HY**-Hyatt Regency Minneapolis

CE_07C   MCC-101 E
8:15 a.m.–4:15 p.m.
Regression Modeling Strategies
The ASA
Instructor(s): Frank E. Harrell, Jr., Vanderbilt University

SUNDAY, AUGUST 7

Tours

9:30 a.m.–3:30 p.m.   MCC-Main Entrance, 2nd Avenue
TR02 - Stillwater Tour

1:00 p.m.–4:00 p.m.   MCC-Main Entrance, 2nd Avenue
TR03 - Twin Cities Highlights

Committee/Business Meetings & Other Activities

7:00 a.m.–6:00 p.m.   MCC-204 A
Speaker Work Room

7:00 a.m.–6:00 p.m.   MCC-204 B
Speaker Work Room

7:00 a.m.–6:00 p.m.   MCC-Level 1, Registration Lobby
JSM Main Registration
The ASA Communities Booth
Special Assistance and Press Desk

7:00 a.m.–11:00 p.m.   MCC-Level 1, Registration Lobby
Cyber Café and Message Center

7:15 a.m.–8:00 a.m.   H-Director's Row 4
Association of GCRC Statisticians
Breakfast (closed)
Organizer(s): Curtis A. Parvin, Washington University School of Medicine

7:30 a.m.–10:30 a.m.   H-Redwing Room
Committee on Women in Statistics (closed)
Chair(s): Elizabeth Margosches, U.S. Environmental Protection Agency

8:00 a.m.–11:30 a.m.   MCC-Exhibit Hall C
Exhibitor Move-in

8:00 a.m.–12:00 p.m.   MCC-L100 H
Advisory Committee on Teacher
Enhancement (closed)
Chair(s): Thomas H. Short, Indiana University of Pennsylvania

8:00 a.m.–12:00 p.m.   H-Duluth
Association of GCRC Statisticians Meeting (closed)
Organizer(s): Curtis A. Parvin, Washington University School of Medicine

8:00 a.m.–12:30 p.m.   H-Director's Row 1
Committee on Publications (closed)
Chair(s): William Q. Meeker, Iowa State University

8:00 a.m.–6:00 p.m.   MCC-Exhibit Hall C
Exhibitor Lounge

9:00 a.m.–11:30 a.m.   MCC-207 B
International Conference on Establishment Surveys
(ICES) III Organizing Committee (closed)
Chair(s): Howard R. Hogan, U.S. Census Bureau

9:00 a.m.–12:00 p.m.   H-Board Room 2
Council of Sections Governing Board Meeting
(closed)
Chair(s): E. Jacquelin Dietz, Meredith College

9:00 a.m.–5:00 p.m.   MCC-Level 1, Registration Lobby
The ASA Marketplace

10:00 a.m.–2:00 p.m.   MCC-206 A
Committee on Meetings (closed)
Chair(s): Kim McGuigan, Pfizer, Inc.

10:00 a.m.–6:00 p.m.   MCC-Level 1, Registration Lobby
Minneapolis Restaurant Reservations Desk

10:30 a.m.–1:30 p.m.   H-Redwing Room
The Caucus for Women in Statistics Executive
Committee Meeting (closed)
Organizer(s): Julia Bienias, Rush University Medical Center

11:30 a.m.–1:00 p.m.   MCC-206 B
Committee on Committees Meeting (closed)
Chair(s): Darryl J. Downing, GlaxoSmithKline

11:30 a.m.–2:00 p.m.   H-Conrad A
Statistica Sinica Editorial Board Meeting (closed)
Organizer(s): Michelle Liou, Institute of Statistical Science, Academia Sinica; Xiao-Li Meng, Harvard University

Thurs–Sun

GENERAL PROGRAM SCHEDULE

☆ Themed Session   ✳ Applied Session   ✦ Presenter   **MCC**-Minneapolis Convention Center   **H**-Hilton Minneapolis   **HY**-Hyatt Regency Minneapolis

12:00 p.m.–1:00 p.m.   H-Director's Row 4
Association of GCRC Statisticians Lunch (closed)
Organizer(s): Curtis A. Parvin, Washington University School of Medicine

12:00 p.m.–1:45 p.m.   MCC-102 A
Friends of the Indian Statistical Institute
Organizer(s): Nitis Mukhopadhyay, University of Connecticut

12:00 p.m.–2:00 p.m.   MCC-207 A
***Journal of Statistics Education* Editorial Board (closed)**
Chair(s): W. Robert. Stephenson, Iowa State University

12:00 p.m.–3:00 p.m.   MCC-207 B
Senior Statistician Task Force (closed)
Chair(s): Gladys Reynolds, U.S. Centers for Disease Control and Prevention

1:00 p.m.–6:00 p.m.   MCC-Exhibit Hall C
Career Placement Service (full Placement Service open)

1:00 p.m.–6:00 p.m.   MCC-Exhibit Hall C
The ASA Membership Booth #700

1:00 p.m.–6:00 p.m.   MCC-Exhibit Hall C
EXPO 2005

1:30 p.m.–4:00 p.m.   H-Rochester
Council of Sections Annual Business Meeting (closed)
Chair(s): E. Jacquelin Dietz, Meredith College

4:00 p.m.–6:30 p.m.   MCC-102 C
Career Development Seminar—Communicating, Negotiating, and Gaining Influence: How Statisticians Can Be Successful in the Office and in the Classroom
Chair(s): Janice Lent, U.S. Department of Transportation

4:30 p.m.–5:30 p.m.   MCC-L100 I
2005 and 2006 Committee Chairs Meeting (closed)
Chair(s): Darryl J. Downing, GlaxoSmithKline

4:30 p.m.–7:30 p.m.   MCC-206 A
ENAR Executive Committee (closed—by invitation only)
Organizer(s): Kathy Hoskins, ENAR

5:00 p.m.–6:30 p.m.   H-Director's Row 2
Council of Sections Chairs, Treasurers, and New Section Representatives (closed)
Chair(s): E. Jacquelin Dietz, Meredith College

5:00 p.m.–7:30 p.m.   MCC-L100 B
International Chinese Statistical Association (ICSA) Board Meeting (closed)
Organizer(s): Ivan S. F. Chan, Merck Research Laboratories

5:30 p.m.–7:00 p.m.   MCC-207 B
Committee on Scientific Freedom and Human Rights
Chair(s): Patrick Ball, The Benetech Initiative; Susan M. Hinkins, NORC at the University of Chicago

6:00 p.m.–7:30 p.m.   MCC-102 A
The ASA Open Meeting
Chair(s): Fritz J. Scheuren, The University of Chicago

6:00 p.m.–7:30 p.m.   MCC-L100 F
JSM First-time Attendee Orientation and Reception
Chair(s): Julia Bienias, Rush University Medical Center

6:00 p.m.–7:30 p.m.   MCC-L100 G
Cancer Center Biostatistics Directors Meeting
Organizer(s): Terry Hyslop, Thomas Jefferson University

6:00 a.m.–7:30 p.m.   MCC-L100 E
ICHPR Planning Committee Meeting
Chair(s): Arlene Ash, Boston University; Thomas R. Belin, University of California, Los Angeles

6:00 p.m.–8:00 p.m.   Off Property
Section on Survey Research Methods Executive Committee Meeting (closed)
Chair(s): Sarah Nusser, Iowa State University

6:00 p.m.–8:00 p.m.   MCC-207 A
Section on Statistics and the Environment Executive Committee Meeting (closed)
Chair(s): Jean D. Opsomer, Iowa State University

6:00 p.m.–10:00 p.m.   HY-Skyway Suite A&B
IMS 1st Council Meeting and Dinner
Organizer(s): Elyse Gustafson, Institute of Mathematical Statistics

6:30 p.m.–8:30 p.m.   Off Property
Section on Statistical Consulting Executive Committee (closed)
Organizer(s): Susan Devlin, The Artemis Group

✩ Themed Session   ✹ Applied Session   ✦ Presenter   **MCC**-Minneapolis Convention Center   **H**-Hilton Minneapolis   **HY**-Hyatt Regency Minneapolis

Thurs-Sun

6:30 p.m.–9:30 p.m. MCC-206 B
Biometrics Section Executive Committee Meeting (closed)
Chair(s): Marie Davidian, North Carolina State University

7:00 p.m.–8:00 p.m. MCC-L100 D
ACCE Presenter Social (by invitation only)
Chair(s): Nandini Kannan, The University of Texas at San Antonio

7:00 p.m.–9:00 p.m. MCC-102 B
Isolated Statisticians
Organizer(s): Ann Cannon, Cornell College

8:00 p.m.–10:30 p.m. MCC-Seasons and Bridge
JSM Opening Mixer (included in registration fee)

Continuing Education (Fee Events)

CE_01C MCC-101 I
8:00 a.m.–4:00 p.m.
Analysis of Gene Expression Data—2 Day Course
The ASA
Instructor(s): Terence P. Speed, University of California, Berkeley; Benjamin M. Bolstad, University of California, Berkeley; Yee Hwa Jean Yang, University of California, San Francisco; James Wettenhall, Walter and Eliza Hall Institute of Medical Research

CE_08C MCC-L100 G
8:00 a.m.–4:00 p.m.
Adaptive Bayesian Clinical Trials
The ASA, Section on Bayesian Statistical Science, Biopharmaceutical Section
Instructor(s): Scott M. Berry, Berry Consultants LLC; Donald A. Berry, The University of Texas M. D. Anderson Cancer Center

CE_09C MCC-L100 J
8:00 a.m.–4:00 p.m.
Design and Analysis of Cluster Randomization Trials
The ASA, Biometrics Section
Instructor(s): Allan Donner, The University of Western Ontario; Neil S. Klar, Cancer Care Ontario

CE_10C MCC-L100 A
8:15 a.m.–4:15 p.m.
Multiple Uses of Multiple Imputation
The ASA, Section on Survey Research Methods
Instructor(s): Donald B. Rubin, Harvard University; Trivellore Raghunathan, University of Michigan

CE_11C MCC-L100 C
8:15 a.m.–4:15 p.m.
Models for Repeated Discrete Data (2004 Excellence-in-CE Award Winner)
The ASA
Instructor(s): Geert Verbeke, Katholieke Universiteit Leuven; Geert Molenberghs, Limburgs Universitair Centrum

CE_12C MCC-L100 E
1:00 p.m.–5:00 p.m.
Bootstrap Methods and Permutation Tests for Doing and Teaching Statistics
The ASA, Section on Statistical Computing, Section on Statistical Education
Instructor(s): Tim C. Hesterberg, Insightful Corp.

Invited Sessions 2:00 p.m.–3:50 p.m.

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1 MCC-205 A
✹ ✩ **Bayesian Methods in Cancer Research—Invited**
Biopharmaceutical Section, Section on Bayesian Statistical Science, ENAR, WNAR, Biometrics Section
Organizer(s): Samiran Sinha, Texas A&M University
Chair(s): Samiran Sinha, Texas A&M University

2:05 p.m. Bivariate Bayesian Neural Networks for Prostate Cancer Study—✦ Malay Ghosh, University of Florida; Sounak Chakraborty, University of Florida; Tapabrata Maiti, Iowa State University

2:30 p.m. Toward Automating RJ: a Hierarchial Mixture Model for Protein Spectra—✦ Peter Mueller, The University of Texas M. D. Anderson Cancer Center; Kim-Anh Do, The University of Texas M. D. Anderson Cancer Center; Raj Banyopadhayay, Rice University; Keith Baggerly, The University of Texas M. D. Anderson Cancer Center

2:55 p.m. Assessing the Probability That a Positive or Negative Report Is False—✦ Sholom Wacholder, National Cancer Institute

3:20 p.m. Bayesian Sequential Design for Case-control Studies—✦ Bhramar Mukherjee, University of Florida

3:45 p.m. Floor Discussion

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Thurs–Sun

2   MCC-200 ABC

NIH Biostatistical Method and Training Grant Applications, Reviews, and Funding Opportunities—Invited
Biometrics Section, ENAR, WNAR

Organizer(s): Xihong Lin, Harvard University

Chair(s): Marie Davidian, North Carolina State University

2:05 p.m.   The Grant Review Process at NIH—✦ Ann M. Hardy, Center for Scientific Review, NIH

2:30 p.m.   NIH Support for Predoctoral Training and Research in Biostatistics—✦ John Whitmarsh, National Institutes of Health

2:55 p.m.   NIH Funding Mechanisms and Biostatistics Grants Portfolio of NCI—✦ Ram C. Tiwari, National Cancer Institute

3:20 p.m.   Winning an NIH Grant: a Reviewer's Perspective—✦ Louise Ryan, Harvard University

3:45 p.m.   Floor Discussion

3   MCC-200 DE

Review Paper Highlights—Invited
***JASA*, Reviews**

Organizer(s): Russell V. Lenth, The University of Iowa

Chair(s): Russell V. Lenth, The University of Iowa

2:05 p.m.   Membership Functions and Probability Measures of Fuzzy Sets—✦ Nozer D. Singpurwalla, George Washington University

2:50 p.m.   The Price of Kaplan-Meier—Theodore G. Karrison, The University of Chicago; ✦ Paul Meier, Columbia University; Rick Chappell, University of Wisconsin, Madison; Hui Xie, Boston University

3:35 p.m.   Floor Discussion

4   MCC-208 D

Statistical Methods for Gene-environmental Interaction Studies—Invited
Section on Statistics in Epidemiology, ENAR, WNAR, Biometrics Section

Organizer(s): Colin Wu, National Heart, Lung, and Blood Institute; Gang Zheng, National Heart, Lung, and Blood Institute

Chair(s): Colin Wu, National Heart, Lung, and Blood Institute

2:05 p.m.   A Statistical Method for Adjusting Covariates in Linkage Analysis with Sib Pairs—✦ Gang Zheng, National Heart, Lung, and Blood Institute; Colin Wu, National Heart, Lung, and Blood Institute; Eric Leifer, National Heart, Lung, and Blood Institute; Dean Follmann, National Institute of Allergy and Infectious Diseases; Jing-Ping Lin, National Heart, Lung, and Blood Institute

2:30 p.m.   Sequential Multiple Decision Procedures (SMDP) To Screen and Validate Signals in Genome-wide Association Scans—✦ Michael A. Province, Washington University School of Medicine; Qunyuan Zhang, Washington University School of Medicine

2:55 p.m.   Regional Admixture Mapping (RAM) and Structured Association Testing (SAT): a Unified Framework—✦ David B. Allison, University of Alabama at Birmingham; David T. Redden, University of Alabama at Birmingham; T. Mark Beasley, University of Alabama at Birmingham; José R. Fernández, University of Alabama at Birmingham; Hemant Tiwari, University of Alabama at Birmingham; Jasmin Divers, University of Alabama at Birmingham; Robert P. Kimberly, University of Alabama at Birmingham

3:20 p.m.   Strategies for Gene-by-intervention Association Analysis of SNP Data—M. Daniele Fallin, Johns Hopkins University; ✦ Rasika Mathias, National Human Genome Research Institute; Alexander Wilson, National Human Genome Research Institute; Enrique Herrera, Johns Hopkins School of Medicine; Lisa Yanek, Johns Hopkins School of Medicine; Diane Becker, Johns Hopkins School of Medicine; Nauder Faraday, Johns Hopkins School of Medicine; Lew Becker, Johns Hopkins School of Medicine

3:45 p.m.   Floor Discussion

5   MCC-200 G

✳ ☆ Statistical Analysis for Brain Imaging—Invited
International Chinese Statistical Association, Statistical Sinica, Section on Statistical Graphics

Organizer(s): John A. D. Aston, Institute of Statistical Science, Academia Sinica; Hwai-Chung Ho, Institute of Statistical Science, Academia Sinica; Michelle Liou, Institute of Statistical Science, Academia Sinica

Chair(s): Philip Cheng, Institute of Statistical Science, Academia Sinica

2:05 p.m.   Kernel Smoothing on Brain Manifolds—✦ Moo K. Chung, University of Wisconsin, Madison

2:30 p.m.   Bayesian Analysis of fMRI Data with Spatial Priors—✦ William D. Penny, University College London

2:55 p.m.   Wavelet Statistics for PET and fMRI—✦ John A. D. Aston, Institute of Statistical Science, Academia Sinica; Roger N. Gunn, GlaxoSmithKline; Rainer Hinz, IRSL; Federico E. Turkheimer, Imperial College

3:20 p.m.   Disc: Keith J. Worsley, McGill University

3:40 p.m.   Floor Discussion

GENERAL PROGRAM SCHEDULE

☆ Themed Session   ✳ Applied Session   ✦ Presenter   **MCC**-Minneapolis Convention Center   **H**-Hilton Minneapolis   **HY**-Hyatt Regency Minneapolis

6   MCC-210 AB

Measurement Issues in Statistical Education—Invited

Section on Statistical Education

Organizer(s): Jerome Reiter, Duke University

Chair(s): Christine Kohnen, Duke University

2:05 p.m.   Assessing Effectiveness at the Program Level: Undergraduate Statistics Program Evaluation— ✦ Roxy Peck, California Polytechnic State University; Beth Chance, California Polytechnic State University

2:35 p.m.   Assessing and Fostering Transferable Knowledge— ✦ Marsha Lovett, Carnegie Mellon University

3:05 p.m.   What Do Students Remember from Statistics Class?— ✦ Leanna House, Duke University; Jerome Reiter, Duke University; Dalene Stangl, Duke University; David Banks, Duke University

3:05 p.m.   Disc: Dalene Stangl, Duke University

3:35 p.m.   Floor Discussion

7   MCC-103 D

✳ ☆ Enhancing Human Welfare through Large-scale Surveys: The Canadian Story—Invited

SSC, Business and Economics Statistics Section, Section on Survey Research Methods, Social Statistics Section

Organizer(s): Changbao Wu, University of Waterloo

Chair(s): Changbao Wu, University of Waterloo

2:05 p.m.   Uses of the NPHS in Examining Health Behavior Changes—✦ Mary E. Thompson, University of Waterloo

2:30 p.m.   The Longitudinal Survey of Immigrants to Canada— ✦ Michelle Simard, Statistics Canada

2:55 p.m.   National Longitudinal Study of Children and Youth (NLSCY): Advancing the Life Quality of Children through Developmental Research in the General Population— ✦ Michael H. Boyle, McMaster University

3:20 p.m.   The Canadian Community Health Survey: Building on the Success from the Past—✦ Yves Beland, Statistics Canada; Johane Dufour, Statistics Canada; Marc Hamel, Statistics Canada

3:45 p.m.   Floor Discussion

8   MCC-200 H

✳ ☆ Visualization Methods in Homeland Security Applications—Invited

Section on Statistical Graphics, Section on Nonparametric Statistics, Section on Statisticians in Defense and National Security

Organizer(s): Jeffrey L. Solka, Naval Surface Warfare Center, Dahlgren Division

Chair(s): Jeffrey L. Solka, Naval Surface Warfare Center, Dahlgren Division

2:05 p.m.   Visualizing Login Sessions To Detect Masqueraders— ✦ David Marchette, Naval Surface Warfare Center, Dahlgren Division

2:35 p.m.   Challenges and Opportunities Raised by the Expert Panel for the National Visualization and Analytics Center—✦ Daniel B. Carr, George Mason University

3:05 p.m.   Visual Analysis of Text Document Collections— ✦ Paul Whitney, Pacific Northwest National Laboratory

3:35 p.m.   Floor Discussion

9   MCC-103 E

Medallion Lecture 1—Invited

IMS

Organizer(s): David Madigan, Rutgers, The State University of New Jersey

Chair(s): Andrew Nobel, The University of North Carolina at Chapel Hill

2:05 p.m.   Information Theory and Risk Analysis for (nearly) Bayes Regression, Prediction, Density Estimation, and Machine Learning—✦ Andrew Barron, Yale University

3:30 p.m.   Floor Discussion

10   MCC-208 C

✳ ☆ Statistical Development in Cancer Screening and Early Detection—Invited

ENAR, Biopharmaceutical Section, WNAR, Biometrics Section

Organizer(s): Yu Shen, The University of Texas M. D. Anderson Cancer Center

Chair(s): Yu Shen, The University of Texas M. D. Anderson Cancer Center

2:05 p.m.   A Natural History Model for Prostate Cancer: Implications on Prevention and Screening Policies— ✦ Lurdes Y. T. Inoue, University of Washington; Ruth Etzioni, Fred Hutchinson Cancer Research Center; Christopher Morrell, Loyola College in Maryland; Peter Müller, The University of Texas M. D. Anderson Cancer Center

2:30 p.m.   Screening Studies and Natural History Models of Cancer—✦ Paul Pinsky, National Cancer Institute

2:55 p.m.   Modeling and Estimation of Trends in Cancer Incidence and Mortality with Application to Prostate Cancer— ✦ Alex Tsodikov, University of California, Davis

3:20 p.m.   Forward and Backward Recurrence Times and Length-biased Sampling: Age-specific Models—✦ Marvin Zelen, Harvard University

3:45 p.m.   Floor Discussion

GENERAL PROGRAM SCHEDULE

✩ Themed Session   ✳ Applied Session   ✦ Presenter   **MCC**-Minneapolis Convention Center   **H**-Hilton Minneapolis   **HY**-Hyatt Regency Minneapolis

Thurs–Sun

11   MCC-200 F
✳ Sensor Networks—Invited
IMS, Section on Statisticians in Defense and National Security, Section on Statistical Graphics

Organizer(s): Bin Yu, University of California, Berkeley

Chair(s): Bin Yu, University of California, Berkeley

2:05 p.m.   Call and Response: Experiments in Sampling the Environment—✦ Mark H. Hansen, University of California, Los Angeles

2:35 p.m.   Distributed State Representation for Tracking Problems in Sensor Networks—✦ Juan Liu, Palo Alto Research Center; Maurice Chu, Palo Alto Research Center; James Reich, Palo Alto Research Center

3:05 p.m.   Distributed Localization in Sensor Networks Using Adaptive Multidimensional Scaling—Jose A. Costa, University of Michigan; Neal Patwari, University of Michigan; ✦ Alfred O. Hero, III, University of Michigan

3:35 p.m.   Floor Discussion

12   MCC-102 D
✳ Metadata Management in Statistical Agencies—Invited
Section on Government Statistics, Social Statistics Section, Business and Economics Statistics Section

Organizer(s): Daniel Gillman, Bureau of Labor Statistics

Chair(s): Daniel Gillman, Bureau of Labor Statistics

2:05 p.m.   Defining and Using Model-based Metadata for Statistical Concepts and Processes—✦ Peter Struijs, Statistics Netherlands; Robbert Renssen, Statistics Netherlands; Ad Willeboordse, Statistics Netherlands

2:25 p.m.   Unified Metadata Management Framework for Economic Statistics—✦ Michael J. Colledge, Australian Bureau of Statistics

2:45 p.m.   Recent Challenges in Metadata Management: Experience within Statistical Office of the Republic of Slovenia (SORS)—✦ Jozica Klep, Statistical Office of the Republic of Slovenia

3:05 p.m.   Metadata Repository at Statistics Canada—✦ Paul Johanis, Statistics Canada

3:25 p.m.   Disc: Bo Sundgren, Statistics Sweden

3:45 p.m.   Floor Discussion

13   MCC-212 AB
Recent Applications of Regression Spline Methodology—Invited
Section on Nonparametric Statistics, Business and Economics Statistics Section

Organizer(s): Lijian Yang, Michigan State University

Chair(s): Lijian Yang, Michigan State University

2:05 p.m.   Semiparametric Spatial Modeling of Binary Outcomes—✦ Tatiyana V. Apanasovich, Cornell University; Raymond J. Carroll, Texas A&M University; David Ruppert, Cornell University

2:25 p.m.   Identifying Differentially Expressed Transcripts in Temporal Microarray Data—✦ Ping Ma, Harvard University; Tanya Logvinenko, Harvard University; Wenxuan Zhong, Purdue University; Jun S. Liu, Harvard University

2:45 p.m.   Spline Confidence Band of Leaf Area Index Trend Curve—✦ Jing Wang, Michigan State University; Lijian Yang, Michigan State University

3:05 p.m.   Time-varying, Coefficient-linear, Cumulative-odds Models for Survival Data—✦ Linxu Liu, Columbia University; Jianhua Huang, University of Pennsylvania

3:25 p.m.   Additive Coefficient Modeling via Polynomial Spline—✦ Lan Xue, Michigan State University; Lijian Yang, Michigan State University

3:45 p.m.   Floor Discussion

Topic Contributed Sessions 2:00 p.m.–3:50 p.m.

14   MCC-201 AB
Statistics in Genomics and Proteomics: New Applications in the Post-HGP Era—Topic Contributed
Biometrics Section, Section on Bayesian Statistical Science, WNAR

Organizer(s): Sujay Datta, Northern Michigan University

Chair(s): Sujay Datta, Northern Michigan University

2:05 p.m.   Bayesian Mixture Models for Proteomic Profiles: a Case Study—✦ Kim-Anh Do, The University of Texas M. D. Anderson Cancer Center; Peter Mueller, The University of Texas M. D. Anderson Cancer Center

2:25 p.m.   Screening for Differentially Expressed Genes Using the Bayes Factor—✦ Fang Yu, University of Connecticut; Ming-Hui Chen, University of Connecticut; Lynn Kuo, University of Connecticut

2:45 p.m.   Genomewide Conserved Epitope Profiles of HIV-1 Predicted from MHC: Peptide Binding Classifiers—✦ Mark R. Segal, University of California, San Francisco; Yuanyuan Xiao, University of California, San Francisco

GENERAL PROGRAM SCHEDULE

☆ Themed Session   ☀ Applied Session   ✦ Presenter   **MCC**-Minneapolis Convention Center   **H**-Hilton Minneapolis   **HY**-Hyatt Regency Minneapolis

3:05 p.m. Local Modeling of Global Interactome Networks— ✦ Denise Scholtens, Northwestern University

3:25 p.m. Genomic Convergence: Using Genomic Clues in the Search for Genes for Complex Traits—✦ Elizabeth Hauser, Duke University

3:45 p.m. Floor Discussion

15   MCC-205 C

☀ ☆ **Statistical Issues in the Evaluation of Therapeutic Cardiovascular Devices—Topic Contributed**

Biopharmaceutical Section, WNAR

Organizer(s): Lilly Yue, U.S. Food and Drug Administration; Steve Boch, Medtronic, Inc.

Chair(s): Yao Huang, U.S. Food and Drug Administration

2:05 p.m. A Comparison of Two Multiple Imputation Methods for Missing Outcome Data in Clinical Trials—✦ Elizabeth Galle, Guidant Corporation; Lei Peng, Guidant Corporation

2:25 p.m. Assessing Consistency of Marginal and Individual Treatment Effects in a Clinical Study—✦ Zengri Wang, Medtronic, Inc.

2:45 p.m. Case Example of the Use of Multiple Logistical Regression Model with Correlated Predictors— ✦ Peter Lam, Boston Scientific Corporation; Hong Wang, Boston Scientific Corporation; Joerg Koglin, Boston Scientific Corporation; Mary Russell, Boston Scientific Corporation

3:05 p.m. The Effects of Multiple Testing on Operating Characteristics When All Tests Must Be Passed— ✦ Jeng Mah, Guidant Corporation; Peter L. Chen, Guidant Corporation; Dong Li, Guidant Corporation

3:25 p.m. Disc: Lilly Yue, U.S. Food and Drug Administration

3:45 p.m. Floor Discussion

16   MCC-211 A

☀ ☆ **Bayesian Computation—Topic Contributed**

Section on Bayesian Statistical Science

Organizer(s): Samantha R. Cook, Columbia University

Chair(s): Elizabeth A. Stuart, Mathematica Policy Research, Inc.

2:05 p.m. Validation of Software for Bayesian Models Using Posterior Quantiles—✦ Samantha R. Cook, Columbia University; Andrew Gelman, Columbia University; Donald B. Rubin, Harvard University

2:25 p.m. Moving beyond Compatibility: the Future of the Gibbs Sampler?—✦ David A. van Dyk, University of California, Irvine; Xiao-Li Meng, Harvard University

2:45 p.m. Calibration of Mass Spectra—✦ Cavan Reilly, University of Minnesota

3:05 p.m. A Bayesian Approach to Modeling an Inhomogeneous Poisson Process with Applications to Call Center Data—✦ Jonathan Weinberg, University of Pennsylvania

3:25 p.m. Regression Model Search and Uncertainty with Many Predictors—✦ Chris Hans, Duke University; Mike West, Duke University

3:45 p.m. Floor Discussion

17   MCC-209 AB

☀ ☆ **Bayesian Methods in Environmental and Ecological Sciences and Global Sea Level Study—Topic Contributed**

Section on Bayesian Statistical Science

Organizer(s): Keying Ye, Virginia Polytechnic Institute and State University; Dongchu Sun, University of Missouri, Columbia

Chair(s): Dongchu Sun, University of Missouri, Columbia

2:05 p.m. Power Prior Approach to the Binomial Test in Water Quality Assessment—✦ Yuyan Duan, Virginia Polytechnic Institute and State University; Keying Ye, Virginia Polytechnic Institute and State University; Eric P. Smith, Virginia Polytechnic Institute and State University

2:25 p.m. Bayesian Hierarchical Threshold Models for Categorizing Heterogenous Ecological Habitat Preferences—✦ Penelope Pooler, Virginia Polytechnic Institute and State University

2:45 p.m. Bayesian Hierarchical Models for Response Rates in Hunter Attitude Surveys—✦ Xiaoming Gao, Missouri Department of Conservation; Zhuoqiong He, University of Missouri, Columbia; Dongchu Sun, University of Missouri, Columbia

3:05 p.m. Bayesian Analysis of Trends in Response Waves for Deer Hunter Attitude Surveys—✦ Jillian Lane, University of Missouri, Columbia; Dongchu Sun, University of Missouri, Columbia

3:25 p.m. Physical-statistical Modeling of Ice-stream Dynamics—✦ Chen Quin Lam, The Ohio State University; Mark Berliner, The Ohio State University; Yongku Kim, The Ohio State University; Noel Cressie, The Ohio State University; Kenneth Jezek, The Ohio State University

3:45 p.m. Floor Discussion

18   MCC-102 E

☀ **Exploration, Impact, and Adjustment for Item and Unit Nonresponse in Demographic Surveys and Censuses—Topic Contributed**

Section on Government Statistics, Social Statistics Section, Section on Survey Research Methods

Organizer(s): Nancy A. Bates, U.S. Census Bureau

Chair(s): John Hall, Mathematica Policy Research, Inc.

GENERAL PROGRAM SCHEDULE

☆ Themed Session   ✳ Applied Session   ✦ Presenter   **MCC**-Minneapolis Convention Center   **H**-Hilton Minneapolis   **HY**-Hyatt Regency Minneapolis

Thurs–Sun

2:05 p.m.   Item Nonresponse Error for the 100% Data Items on the Census 2000 Long Form Questionnaire—✦ Thomas Chesnut, U.S. Census Bureau

2:25 p.m.   Survey Comparison of Item Nonresponse and Unit Nonresponse in Household Surveys—✦ John S. Dixon, Bureau of Labor Statistics

2:45 p.m.   Introducing Income Imputation: Improving Data Quality in the Consumer Expenditure Survey—✦ Geoffrey Paulin, Bureau of Labor Statistics

3:05 p.m.   Assessing the Impact of High-effort Interviews on Health Estimates—✦ Catherine Simile, National Center for Health Statistics; James Dahlhamer, National Center for Health Statistics; Pei-Lu Chiu, National Center for Health Statistics; Gulnur Scott, National Center for Health Statistics

3:25 p.m.   Disc: Jane Gentleman, National Center for Health Statistics

3:45 p.m.   Floor Discussion

19   MCC-103 F

Experiments on the Earth: Statistics for Geophysical Models and Data—Topic Contributed

Section on Statistics and the Environment, WNAR

Chair(s): Jan Hannig, Colorado State University

2:05 p.m.   Fitting Climate Models and Observed Climate Data—✦ Dorin Drignei, National Center for Atmospheric Research

2:25 p.m.   Statistical Downscaling Climate—✦ Mathieu Vrac, The University of Chicago; Michael Stein, The University of Chicago

2:45 p.m.   Combining Climate Model Output for Assessments of Climate Change—✦ Stephan Sain, University of Colorado, DHSC; Reinhard Furrer, National Center for Atmospheric Research; Douglas Nychka, National Center for Atmospheric Research

3:05 p.m.   Spatial Prediction of Extreme Value Return Levels—✦ Daniel Cooley, University of Colorado at Boulder; Philippe Naveau, University of Colorado at Boulder; Douglas Nychka, National Center for Atmospheric Research

3:25 p.m.   A 2-D Model Diagnostic and Correction for the Prediction of Total Column Ozone—✦ Serge Guillas, Georgia Institute of Technology; George Tiao, The University of Chicago; Donald J. Wuebbles, University of Illinois, Urbana-Champaign; Alexis Zubrow, The University of Chicago

3:45 p.m.   Floor Discussion

20   MCC-211 B

✳ ☆ Statistical Issues in Biometric Authentication—Topic Contributed

Section on Statisticians in Defense and National Security

Organizer(s): Michael Schuckers, St. Lawrence University

Chair(s): Jennifer Schumi, Harvard School of Public Health

2:05 p.m.   An Introduction to Some Statistical Issues in Biometric Authentication—✦ Michael Schuckers, St. Lawrence University

2:25 p.m.   Generalized Linear Mixed Model Evaluation of Face Verification Algorithms Emphasizing Human Subject Characteristics—✦ Geof Givens, Colorado State University; Ross Beveridge, Colorado State University; Bruce Draper, Colorado State University

2:45 p.m.   Improved Face Authentication Based on Statistical Models: a Frequency Domain Approach—✦ Sinjini Mitra, Carnegie Mellon University

3:05 p.m.   Challenges for Statistical Scaling of Biometric Authentication—✦ Edwin P. Rood, Independent Consultant

3:25 p.m.   Bio in the Statistics of Biometric Authentication?—✦ Peter Imrey, Cleveland Clinic Foundation

3:45 p.m.   Floor Discussion

21   MCC-103 C

✳ The Census 2000 Master Trace Sample Database: an Overview and Illustration of Its Research Potential—Topic Contributed1

Section on Survey Research Methods, Social Statistics Section

Organizer(s): Jennifer Tancreto, U.S. Census Bureau

Chair(s): James Treat, U.S. Census Bureau

2:05 p.m.   Master Trace Sample Database: a Unique Opportunity for Census 2000 Research—✦ Joan M. Hill, U.S. Census Bureau; Jason D. Machowski, U.S. Census Bureau

2:25 p.m.   Determining the Effectiveness of Multiple Nonresponse Followup Contact Attempts on Response and Data Quality—✦ Jennifer Tancreto, U.S. Census Bureau; Michael Bentley, U.S. Census Bureau

2:45 p.m.   Census 2000 Nonresponse Followup: Discrepancies in Enumerator-assigned Housing Unit Status—✦ Michael Bentley, U.S. Census Bureau; Jennifer Tancreto, U.S. Census Bureau

3:05 p.m.   Did Proxy Respondents Cause Age Heaping in Census 2000?—✦ Kirsten West, U.S. Census Bureau

3:25 p.m.   Disc: Susan Schechter, U.S. Office of Management and Budget

3:45 p.m.   Floor Discussion

GENERAL PROGRAM SCHEDULE

☆ Themed Session   ✳ Applied Session   ✦ Presenter   **MCC**-Minneapolis Convention Center   **H**-Hilton Minneapolis   **HY**-Hyatt Regency Minneapolis

22 — MCC-103 A

✳ Models of Customer Response and Value—Topic Contributed

Section on Statistics and Marketing

Organizer(s): Wendy Moe, University of Maryland

Chair(s): Wendy Moe, University of Maryland

2:05 p.m. Self-modeling Functional Data Analysis in Consumer Research—✦ Terry Elrod, University of Alberta; Xin Ge, University of Alberta

2:25 p.m. Experimental Design on the Front Lines of Marketing: Testing New Ideas To Increase Direct Mail Sales—✦ Johannes Ledolter, The University of Iowa

2:45 p.m. SURF: Structural Unduplicated Reach and Frequency—✦ Kristen O'Donnell, GfK Custom Research, Inc.; Stan Lipovetsky, GfK Custom Research, Inc.

3:05 p.m. A Model of the Purchase Quantity and Timing—✦ Enping (Shirley) Mai, Syracuse University; Raja Velu, Syracuse University

3:25 p.m. Issues in Modeling Retention within and across Cohorts—✦ Eric Bradlow, The Wharton School; Peter Fader, University of Pennsylvania; David Schweidel, The Wharton School

3:45 p.m. Floor Discussion

23 — MCC-102 F

Issues in Transportation Statistics—Topic Contributed

Section on Government Statistics

Organizer(s): Promod Chandhok, Bureau of Transportation Statistics

Chair(s): Michael P. Cohen, Bureau of Transportation Statistics

2:05 p.m. Are We Better off Accepting Proxy Responses?—✦ Promod Chandhok, Bureau of Transportation Statistics

2:25 p.m. How Are Business Cycle Shocks Propagated?—✦ Brian Sloboda, U.S. Department of Transportation; Vincent W. Yao, University of Arkansas, Little Rock

2:45 p.m. The Effect of Optimal Arterial Cycle Length on Intersection Delays in a Coordinated Arterial System—✦ Mohammad Qureshi, University of Missouri, Rolla; Gary Gadbury, University of Missouri, Rolla; Navin Sugathan, KCI Technologies

3:05 p.m. Comparison of Queue Clearance Models for Multilane Approach Opposing Permissive Left Turns—✦ V. A. Samaranayake, University of Missouri, Rolla; Mohammad Qureshi, University of Missouri, Rolla; Rohit Lasod, Johnson Engineering

3:25 p.m. Ensuring Data Quality in the Annual Department of Transportation (DoT) Performance and Accountability Report—✦ Alan K. Jeeves, Bureau of Transportation Statistics

3:45 p.m. Floor Discussion

Topic Contributed Panels 2:00 p.m.–3:50 p.m.

24 — MCC-205 D

Reaching the MBA Audience—Topic Contributed

Business and Economics Statistics Section, Section on Statistical Education

Organizer(s): Keith Ord, Georgetown University

Chair(s): Stephen Pollard, California State University, Los Angeles

Panelists: ✦ Raja Velu, Syracuse University
✦ Douglas Zahn, G & G Associates
✦ Dawn Porter, Georgetown University
✦ William Parr, University of Tennessee
✦ Sandy Balkin, Pfizer, Inc.

3:40 p.m. Floor Discussion

25 — MCC-208 A

☆ Costs and Benefits of ASA Membership—Topic Contributed

Section on Risk Analysis

Organizer(s): David Banks, Duke University

Chair(s): Duane Steffey, Exponent, Inc.

Panelists: ✦ Jimmy Doi, California Polytechnic State University
✦ Angela Patterson, GE Global Research
✦ Mary Batcher, Ernst & Young LLP
✦ Paul M. Johansen, Tibotec, Inc.
✦ Stephen Porzio, The American Statistical Association

3:45 p.m. Floor Discussion

Regular Contributed Sessions 2:00 p.m.–3:50 p.m.

26 — MCC-103 B

✳ ☆ Applying Ourselves to Social and Environmental Issues—Contributed

Section on Survey Research Methods, Social Statistics Section

Chair(s): Johnny Blair, Abt Associates, Inc.

2:05 p.m. Designing a Sampling Method for a Survey of Iowa High School Seniors—✦ Kyle Hewitt, Lawrence University; Michael D. Larsen, Iowa State University

GENERAL PROGRAM SCHEDULE

✪ Themed Session   ✳ Applied Session   ✦ Presenter   **MCC**-Minneapolis Convention Center   **H**-Hilton Minneapolis   **HY**-Hyatt Regency Minneapolis

Thurs–Sun

2:20 p.m.   Origins of the Estate and Personal Wealth Sample Design—✦ Paul McMahon, U.S. Internal Revenue Service

2:35 p.m.   Teleworking at the U.S. Census Bureau—✦ Jason D. Machowski, U.S. Census Bureau; Julie A. Bouffard, U.S. Census Bureau; Joan M. Hill, U.S. Census Bureau; Jennifer Tancreto, U.S. Census Bureau

2:50 p.m.   Survey of Boaters and Marinas—✦ Marla Smith, U.S. Environmental Protection Agency; Elizabeth Kim, U.S. Environmental Protection Agency

3:05 p.m.   Variation in Survey Estimates of Children with Disabilities in Federal Education Data—✦ Jennifer Park, National Center for Education Statistics; Elvira Hausken, National Center for Education Statistics; Stacey Bielick, American Institutes for Research

3:20 p.m.   A Mixture Model for Catch-effort Experiments—✦ Changxuan Mao, University of California, Riverside

3:35 p.m.   Ten Million Children Are Dying in the Poor World—✦ David Fitch, Universidad del Valle de Guatemala

27   MCC-200 I
Interdisciplinary Approaches to Statistics Education—Contributed
Section on Statistical Education

Chair(s): Jessica Kohlschmidt, The Ohio State University

2:05 p.m.   A Collaboration: Statistics Class and Human Physiology Lab—✦ Diane Fisher, Louisiana State University; S. Renee Robichaux, Louisiana State University

2:20 p.m.   Interdisciplinary Undergraduate Research: Habitat Suitability Models of the Missouri Bladder-pod—✦ Hyun-joo Kim, Truman State University

2:35 p.m.   Phased Project Sequences To Reinforce DOE and Statistical Quality Methods Education—✦ David Zeitler, Grand Valley State University; Paul Stephenson, Grand Valley State University

2:50 p.m.   Undergraduate Summer Research Doing Statistical Bioassessment: Training Students in Data Analysis within an Interdisciplinary Program—✦ Dean Nelson, University of Pittsburgh, Greensburg; Cynthia Walter, Saint Vincent College

3:05 p.m.   Integrating the Teaching of Statistics and Computer Literacy Courses as a Foundation for Business Research—✦ Bodapati V. R. Gandhi, University of Puerto Rico

3:20 p.m.   One Dataset, Six Projects—✦ Brian E. Smith, McGill University

3:35 p.m.   Floor Discussion

28   MCC-102 A
Design of Experiments I—Contributed
Section on Physical and Engineering Sciences, Section on Quality and Productivity

Chair(s): Shelly Melroe, General Mills, Inc.

2:05 p.m.   Fraction of Design Space Plots for Examining Mixture Design Robustness to Measurement Errors—✦ Ayca Ozol-Godfrey, Wyeth; Christine Anderson-Cook, Los Alamos National Laboratory

2:20 p.m.   Efficient Experimental Designs for the Estimation of Hyperparameters in Hierarchical Bayes Models—✦ Qing Liu, The Ohio State University

2:35 p.m.   Optimal Three-level Designs for Response Surfaces—✦ Robert Mee, University of Tennessee

2:50 p.m.   Statistical Properties of Rechtschaffner Designs—✦ Xianggui Qu, Oakland University

3:05 p.m.   Optimal Nonregular Designs as Alternatives to the 16-Run and 32-Run Regular Fractional Factorials—✦ Debra K. Ingram, Arkansas State University; Steffany Novosad, Arkansas State University

3:20 p.m.   Average Correlations in Projections Designs with Quantitative Factors—✦ Cheryl Dingus, The Ohio State University; Angela Dean, The Ohio State University

3:35 p.m.   Design Efficiency under Model Uncertainty for Nonregular Fractions of General Factorials—✦ Abhyuday Mandal, Georgia Institute of Technology; Rahul Mukerjee, Indian Institute of Management, Calcutta

29   MCC-102 C
✳ New Research in Quality Control and Monitoring—Contributed
Section on Quality and Productivity

Chair(s): Li Wang, Virginia Polytechnic Institute and State University

2:05 p.m.   A Destructive Sampling Method Designed for High-quality Production Processes (DSM-HQ)—✦ Ronald Bremer, Texas Tech University; Francisco Delgadillo, Texas Tech University

2:20 p.m.   Efficient Sampling Plans for Control Charts for Monitoring the Mean and Variance of an Autocorrelated Process—✦ Xin Zhong, Virginia Polytechnic Institute and State University; Marion R. Reynolds, Jr., Virginia Polytechnic Institute and State University

2:35 p.m.   A Nonparametric Statistic for Joint Mean-variance Quality Control—✦ J.D. Opdyke, DataMinelt

2:50 p.m.   Losses from Use of Individual Control Charts—✦ Joyce Orsini, Fordham University

GENERAL PROGRAM SCHEDULE

☆ Themed Session   ✳ Applied Session   ✦ Presenter   **MCC**-Minneapolis Convention Center   **H**-Hilton Minneapolis   **HY**-Hyatt Regency Minneapolis

3:05 p.m.   A Bayesian Use of the EWMA To Detect Jumps at the Startup Phase of a Process—✦ Panagiotis Tsiamyrtzis, Athens University of Economics and Business; Douglas M. Hawkins, University of Minnesota

3:20 p.m.   Optimal Two-sided CUSUM Stopping Rules for Change-point Detection in the Brownian Motion Model with Two-sided Alternatives—✦ Olympia Hadjiliadis, Columbia University

3:35 p.m.   Floor Discussion

30   MCC-102 B

✳ Multiple Testing and Bias Reduction—Contributed

Section on Statistical Computing, Section on Nonparametric Statistics

Chair(s): Aiyou Chen, Bell Labs, Lucent Technologies

2:05 p.m.   Posterior Inference for Computer Adaptive Ability Estimation—✦ Kelly Rulison, The Pennsylvania State University; Eric Loken, The Pennsylvania State University

2:20 p.m.   An Upper Confidence Bound of the False Discovery Proportion—✦ Yongchao Ge, Mount Sinai School of Medicine

2:35 p.m.   Power of Pairwise Comparisons in the Equal Variance and Unequal Sample Size Case—✦ Philip Ramsey, Queens College, CUNY; Patricia P. Ramsey, Fordham University

2:50 p.m.   A Permutation Test To Compare Aggregate Matrices of Frequency Data: Young Differ from Older Mexicans on Emotion Labels—✦ Ramon Durazo-Arvizu, Northwestern University; Robert W. Schrauf, Pennsylvania State University

3:05 p.m.   Power of ANOM for Poisson and Binomial Data—✦ Peter Wludyka, University of North Florida; Sannah Irion, University of North Florida; Dawn Bullock, University of North Florida; LaTrecia Taylor, University of North Florida; Damon Ogilvie, University of North Florida

3:20 p.m.   Bias Reduction with Generalized Jackknife Data Sharpening—✦ Ennis D. McCune, Stephen F. Austin State University; Sandra L. McCune, Stephen F. Austin State University

3:35 p.m.   A New Resampling Method To Reduce Small Sample Bias—✦ Haiyan Bai, University of Cincinnati; Wei Pan, University of Cincinnati; LihShing Wang, University of Cincinnati

31   MCC-202 AB

A New Look at Old Tests—Contributed

Biometrics Section, WNAR

Chair(s): B. M. Golam Kibria, Florida International University

2:05 p.m.   A Multivariate, Two-sample Mean Test for Small Sample Size and Missing Data—✦ Yujun Wu, University of Medicine and Dentistry of New Jersey; Marc G. Genton, Texas A&M University; Leonard A. Stefanski, North Carolina State University

2:20 p.m.   Exact Tests for Negligible Interaction in Two-way Linear Models—✦ Bin Cheng, Columbia University; Jun Shao, University of Wisconsin, Madison

2:35 p.m.   Two-sample T-test under General Conditions—✦ Jin Xu, University of California, Riverside; Arjun K. Gupta, Bowling Green State University; Xinping Cui, University of California, Riverside

2:50 p.m.   The ANCOVA Model for the Binary Response Variable—✦ Yi-Ting Hwang, National Taipei University

3:05 p.m.   Adaptive Tests and Confidence Intervals—✦ Thomas O'Gorman, Northern Illinois University

3:20 p.m.   Minimal Assumption, Scale-adjusted, Mantel-Haenszel Tests—✦ Stuart A. Gansky, University of California, San Francisco

3:35 p.m.   Dependency Measures under Bivariate Homogeneous Shock Models—✦ Yingfu Li, University of Houston, Clear Lake

32   MCC-205 B

✳ ☆ Specificity, Sensitivity, and ROC Curves—Contributed

Biometrics Section, WNAR

Chair(s): Yuxiao Tang, Rush University Medical Center

2:05 p.m.   Detecting and Assessing Multiple Correlated Diagnostic Tests with Receiver Operating Characteristic Curves—✦ Feng Gao, Washington University in St. Louis; Chengjie Xiong, Washington University in St. Louis; Yan Yan, Washington University in St. Louis; Kai Yu, Washington University in St. Louis; Zhengjun Zhang, Washington University in St. Louis

2:20 p.m.   Estimation and Comparison of Diagnostic Accuracy with Survival Diagnostic Tests—Application to the Diagnosis of Early-stage Alzheimer's Disease—✦ Chengjie Xiong, Washington University in St. Louis

2:35 p.m.   Empirical Likelihood-based Inference for the Area Under the ROC Curve—✦ Gengsheng Qin, Georgia State University; Xiao-Hua (Andrew) Zhou, University of Washington

2:50 p.m.   Bayesian Nonparametric Estimation of ROC Curves When the True Disease State Is Unknown—✦ Chong Wang, Cornell University; Bruce Turnbull, Cornell University; Yrjö Gröhn, Cornell University

3:05 p.m.   Statistical Comparison of Antimicrobial Susceptible Test Methods—✦ Shailendra N. Banerjee, U.S. Centers for Disease Control and Prevention

3:20 p.m.   Assessment on Agreement Studies Using Adjusted Kappa and Yule's Index—✦ Jun-mo Nam, National Cancer Institute

You are invited to the JSM

FIRST-TIME
ATTENDEE
orientation and reception

Sunday, August 7
6:00 p.m.–7:30 p.m.
MCC-L100 F

OPEN TO ALL

(Dinner groups will form after the reception.)

Learn more about how to get the most out of your 1st JSM experience, meet new people, and network.

AGENDA:

Introduction, Julia L. Bienias, President,
The Caucus for Women in Statistics

"Cosmic Connections: Networking at the JSM,"
Sandra Stinnett, Duke University Medical Center

Reception *(light hors d'oeuvres to be served)*

This reception is sponsored by:
ASA, ENAR, IMS, SSC, WNAR, The Caucus for Women in Statistics

GENERAL PROGRAM SCHEDULE

☆ Themed Session   ✳ Applied Session   ✦ Presenter   **MCC**-Minneapolis Convention Center   **H**-Hilton Minneapolis   **HY**-Hyatt Regency Minneapolis

3:35 p.m.   Comparison of Predictive Values of Two Diagnostic Tests from the Same Sample of Subjects Using Weighted Least Squares—✦ Wenquan Wang, University of Alabama at Birmingham

33   MCC-200 J

Statistical Genetics—Contributed
Biometrics Section, WNAR

Chair(s): Ruzong Fan, Texas A&M University

2:05 p.m.   Genealogical Theory for a Random Mating Population with Two Sexes and an Autosomal Locus— ✦ Edward Pollak, Iowa State University

2:20 p.m.   Incorporating Missing Data Methods for Familial Genetic Data—✦ Hemant Tiwari, University of Alabama at Birmingham; Solomon K. Musani, University of Alabama at Birmingham; Varghese George, University of Alabama at Birmingham; T. Mark Beasley, University of Alabama at Birmingham

2:35 p.m.   A Flexible Monte Carlo Approach to Multipoint Linkage Analysis—✦ Wen-Chang Wang, National Health Research Institutes; I-Shou Chang, National Health Research Institutes; Yuan-Chuan Chuang, Ming Chuan University; Chao A. Hsiung, National Health Research Institutes

2:50 p.m.   Joint Localization of Two Linked Disease Susceptibility Genes Using Affected Relative Pairs—✦ Wan-Yu Lin, Graduate Institute of Epidemiology

3:05 p.m.   A Score Test for Linkage Analysis Allowing for Missing Parental Information—✦ Jing Han, New York University; Yongzhao Shao, New York University

3:20 p.m.   Parametric Approach to Genomic Imprinting Analysis with Applications to Angelman's Syndrome—✦ Sanjay Shete, The University of Texas M. D. Anderson Cancer Center

3:35 p.m.   Genome Scans with Gene-covariate Interaction— ✦ Jie Peng, University of California, Davis; Hsiu-Khuern Tang, Hewlett-Packard Company; David Siegmund, Stanford University

34   MCC-208 B

✳ ☆ Microarray and Genomics—Contributed
Biopharmaceutical Section, ENAR, Section on Statistical Graphics, Biometrics Section

Chair(s): Fred Djang, Bristol-Myers Squibb Company

2:05 p.m.   RNA Interference HTS: a New Biotechnology for Discovering a Novel Class of Drugs—✦ Xiaohua Zhang, Merck Research Laboratories

2:20 p.m.   Power Comparison of Statistical Methods for Identifying Differential Expression Genes in Microarray Experiments—✦ Xiaohua Shu, Temple University; Xiaohua

Zhang, Merck Research Laboratories; Jianjun Li, Merck Research Laboratories; Wei Nan, Merck & Co., Inc.; Benjamin I. Sun, Merck & Co., Inc.

2:35 p.m.   Simple Statistical and Graphical Methods in Evaluating Adequacy of Linear Amplification of RNA—Yongzheng Ding, Northwestern University; Li Xu, Northwestern University; Shan Chen, Northwestern University; Irene B. Helenowski, Northwestern University; Raymond Bergan, Northwestern University; ✦ Borko Jovanovic, Northwestern University

2:50 p.m.   Generating Forests of Tree-based Models by Permuting the Model-building Process—✦ Bret Musser, Merck Research Laboratories

3:05 p.m.   Cosmetics in Microarray: a Program for Automatically Masking Blemishes in Affymetrix Chips— ✦ Mayte Suarez Farinas, The Rockefeller University; Maurizio Pellegrino, The Rockefeller University; Knut M. Wittkowski, The Rockefeller University; Marcelo O. Magnasco, The Rockefeller University

3:20 p.m.   Zyomyx Protein Biochip: Normalization and Analysis— ✦ Lisa Ying, Merck & Co., Inc.; Chidambaram Ramachandran, Merck & Co., Inc.; Ellen Rohde, BiogenIdec; Linda Kochanski, Merck & Co., Inc.; Dita Rasper, Merck & Co., Inc.; Stephanie Tuck, Merck & Co., Inc.; Vladimir Svetnik, Merck & Co., Inc.

3:35 p.m.   Using Statistical Growth-curve Models To Quantify the Information in Phenotype Microarray Experiments— ✦ Imola Fodor, Lawrence Livermore National Laboratory; David O. Nelson, Lawrence Livermore National Laboratory; Ann E. Holtz, Lawrence Livermore National Laboratory; Sandra L. McCutchen-Maloney, Lawrence Livermore National Laboratory

35   MCC-211 C

✳ Topics in Multivariate Analyisis—Contributed
General Methodology, Social Statistics Section, Section on Nonparametric Statistics

Chair(s): Mary Putt, University of Pennsylvania

2:05 p.m.   Robust BACON Principle Component Analysis for High-dimensional Data—✦ Nedret Billor, Auburn University; Gulsen Kiral, Cukurova University

2:20 p.m.   Comparison of the Performance of Simple Structure Indices: the DETECT R-ratio, Bentler's Simplicity Index, and the Loading Simplicity Index—✦ Holmes Finch, Ball State University; Kirk Stage, Ball State University

2:35 p.m.   Interpretation of Principal Components: Methodological Aspect—✦ Lev Sverdlov, Health Dialog Data Services

2:50 p.m.   Relative Importance and Proportional Marginal Variance Decomposition (PMVD)—✦ Barry Feldman, Prism Analytics/DePaul University

Thurs–Sun

3:05 p.m.   Penalized Likelihood Principal Component Rotation—✦ Trevor Park, University of Florida

3:20 p.m.   Variance-covariance Estimation with Application to Intercellular Signaling—✦ Scott Holan, University of Missouri, Columbia

3:35 p.m.   Stability of the Principal Components—✦ Abdul-Hamid Al-Ibrahim, Kuwait University

36   MCC-213 AB
Nonparametric Methods—Contributed
Section on Nonparametric Statistics

Chair(s): Marten H. Wegkamp, Florida State University

2:05 p.m.   Three-dimensional Assessment of Image-guided Therapy—✦ Kelly Zou, Harvard Medical School

2:20 p.m.   Kurtosis Orderings for Multivariate Distributions and Their Applications—✦ Jin Wang, Northern Arizona University

2:35 p.m.   A Weighted Estimation Method for the Pareto Variance—✦ Mei Ling Huang, Brock University; Percy Brill, University of Windsor; Donald Gross, George Mason University

2:50 p.m.   On the Link between Smooth and EDF Tests for Goodness-of-fit—✦ Olivier Thas, Ghent University; John Rayner, University of Wollongong

3:05 p.m.   Restricted Estimation of the Cumulative Incidence Functions Corresponding to k Competing Risks—✦ Hammou Elbarmi, Baruch College, CUNY; Hari Mukerjee, Wichita State University

3:20 p.m.   A Better Boxplot—✦ Dennis Boos, North Carolina State University; Jacqueline M. Hughes-Oliver, North Carolina State University

3:35 p.m.   Comparison of Curves Utilizing a New Method of Small-sample Smoothing with Forestry Application—✦ Kathryn Prewitt, Arizona State University

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Special Presentation 4:00 p.m.–5:50 p.m.

37   MCC-200 ABC
Introductory Overview Lecture on Visual Data Mining
ASA, ENAR, IMS, SSC, WNAR, Section on Statisticians in Defense and National Security, Biometrics Section

Organizer(s): Wendy Martinez, Office of Naval Research

Chair(s): Daniel J. Rope, SPSS Inc.

4:05 p.m.   Visual Data Mining—✦ Edward J. Wegman, George Mason University

4:55 p.m.   GGobi Meets R: Interactive High-dimensional Data Visualization as Part of a Complete Data Analysis—✦ Deborah Swayne, AT&T Labs-Research

5:45 p.m.   Floor Discussion

Invited Sessions 4:00 p.m.–5:50 p.m.

38   MCC-200 I
Graphical Markov Models—Invited
IMS, Section on Statistical Graphics

Organizer(s): Michael Perlman, University of Washington

Chair(s): Michael Perlman, University of Washington

4:05 p.m.   Inferring Parameters and Structure of Markov Random Field Models—✦ Max Welling, University of California, Irvine

4:30 p.m.   Convex Surrogates and Stable Message-passing in Markov Random Fields: Combined Approximation of Marginals and Parameters—✦ Martin J. Wainwright, University of California, Berkeley

4:55 p.m.   Bidirected Models for Binary Data—✦ Thomas S. Richardson, University of Washington; Mathias Drton, University of California, Berkeley

5:20 p.m.   ARMA Time-series Modeling with Graphical Models—✦ Bo Thiesson, Microsoft Research; David M. Chickering, Microsoft Research; David Heckerman, Microsoft Research; Christopher Meek, Microsoft Research

5:45 p.m.   Floor Discussion

39   MCC-200 J
Neyman Lecture—Invited
IMS

Organizer(s): David Madigan, Rutgers, The State University of New Jersey

Chair(s): Peter Guttorp, University of Washington

4:05 p.m.   Dynamic Indeterminism in Science—✦ David R. Brillinger, University of California, Berkeley

5:35 p.m.   Floor Discussion

40   MCC-200 G
Semiparametric Modeling in Longitudinal Data Analysis—Invited
ENAR, Section on Nonparametric Statistics, Business and Economics Statistics Section, Social Statistics Section, Section on Survey Research Methods, Section on Statistics in Epidemiology, WNAR, Biometrics Section

Organizer(s): Runze Li, The Pennsylvania State University

Chair(s): Annie Qu, Oregon State University

GENERAL PROGRAM SCHEDULE

☆ Themed Session   ✳ Applied Session   ✦ Presenter   **MCC**-Minneapolis Convention Center   **H**-Hilton Minneapolis   **HY**-Hyatt Regency Minneapolis

4:05 p.m.   A Change-point, Mixed-effects Approach for the Analysis of Intervention Effects in Longitudinal Studies—✦ Colin Wu, National Heart, Lung, and Blood Institute; Xin Tian, National Heart, Lung, and Blood Institute; Heejung Bang, Cornell University

4:30 p.m.   Wavelet-based Functional Mixed Models—✦ Jeffrey S. Morris, The University of Texas M. D. Anderson Cancer Center

4:55 p.m.   Variable Selection and Empirical-likelihood-based Inference for Measurement Error Data—✦ Hua Liang, St. Jude Children's Research Hospital

5:20 p.m.   Semiparametric Time-varying Coefficients Regression Model for Longitudinal Data—✦ Yanqing Sun, University of North Carolina, Charlotte; Hulin Wu, University of Rochester

5:45 p.m.   Floor Discussion

41   MCC-102 B

✳ ☆ Human Improvements through Quality—Invited

Section on Quality and Productivity, Section on Physical and Engineering Sciences, Business and Economics Statistics Section

Organizer(s): John D. Barrett, University of Northern Alabama

Chair(s): Angela Patterson, GE Global Research

4:05 p.m.   The Impact of Quality on the Human Condition—✦ Roger W. Hoerl, GE Global Research

4:35 p.m.   Human Improvement through Quality: Economic and Other—✦ John D. Barrett, University of Northern Alabama

5:05 p.m.   Statistical Tools and the Quality of Life—✦ Lynne Hare, Kraft Foods

5:35 p.m.   Floor Discussion

42   MCC-205 C

✳ Integrating Multiple Sources of Genomic Data—Invited

Biometrics Section, ENAR, Biopharmaceutical Section, WNAR

Organizer(s): Marina Vannucci, Texas A&M University

Chair(s): Marina Vannucci, Texas A&M University

4:05 p.m.   Identifying Chromosome Clusters and Over-represented Functions of Differentially Expressed Genes in Complementary cDNA Microarray Experiments—✦ Erin Conlon, University of Massachusetts; Patrick Eichenberger, Harvard University; Jun S. Liu, Harvard University

4:30 p.m.   Characterizing and Finding Short DNA-binding Motifs in an Evolutionary Context—✦ Haiyan Huang, University of California, Berkeley

4:55 p.m.   Integrating Pathway Information in DNA Microarray Data Analysis—✦ Mahlet G. Tadesse, University of Pennsylvania

5:20 p.m.   Disc: Jun S. Liu, Harvard University

5:40 p.m.   Floor Discussion

43   MCC-211 D

✳ ☆ Improving the Measurement of Disability—Invited

Social Statistics Section, Section on Health Policy Statistics, Section on Government Statistics, Section on Survey Research Methods

Organizer(s): Susan Schechter, Office of Management and Budget

Chair(s): David Keer, U.S. Department of Education

4:05 p.m.   Disability Data in the Decennial Census and the American Community Survey: Review of Recent Design and Operations—✦ Sharon M. Stern, U.S. Census Bureau

4:30 p.m.   Development, Testing, and Recommendations for Questions on Disability for the American Community Survey—✦ Barbara M. Altman, National Center for Health Statistics; Theresa J. DeMaio, U.S. Census Bureau; Kristen S. Miller, National Center for Health Statistics

4:55 p.m.   Designing Questions To Identify People with Disabilities in Labor Force Surveys: a History of the Work of BLS to Measure the Employment Level of Adults with Disabilities—✦ Terence M. McMenamin, Bureau of Labor Statistics; Douglas L. Kruse, Rutgers, The State University of New Jersey; Tom Hale, Social Security Administration; Haejin Kim, California State University, Dominguez Hills

5:20 p.m.   The Washington Group on Disability Statistics: International Efforts toward Comparable General Disability Measures—✦ Jennifer Madans, National Center for Health Statistics

5:45 p.m.   Floor Discussion

44   MCC-102 A

✳ Case Studies in the Physical and Engineering Sciences—Invited

Section on Physical and Engineering Sciences, Section on Quality and Productivity

Organizer(s): Angela Dean, The Ohio State University

Chair(s): Angela Dean, The Ohio State University

4:05 p.m.   Statistics for New Products: Concept to Market in 10 Minutes—Fred Hulting, General Mills, Inc.; ✦ Jon Coltz, General Mills, Inc.

4:15 p.m.   Computer Experiments: Some Knee-jerk Applications—✦ William I. Notz, The Ohio State University

4:25 p.m.   Designing an Aging Study—✦ Joanne Wendelberger, Los Alamos National Laboratory

4:35 p.m.   Seven Error Terms! Are You Kidding?—✦ Thomas Loughin, Kansas State University

4:45 p.m.   Repeated Measures, Split Plots, and Missing Data: a Mobile Computing Field Study—✦ Daniel T. Voss, Wright State University; Mary M. Wesler, University of Dayton; Jennie J. Gallimore, Wright State University

GENERAL PROGRAM SCHEDULE

☆ Themed Session   ✳ Applied Session   ✦ Presenter   **MCC**-Minneapolis Convention Center   **H**-Hilton Minneapolis   **HY**-Hyatt Regency Minneapolis

Thurs–Sun

4:55 p.m. Designing and Identifying Multistage Experiments— ✦ Derek Bingham, Simon Fraser University

5:05 p.m. Statistical Modeling of a Chemical Reaction— ✦ Martha Gardner, GE Global Research

5:15 p.m. The Crossover Design: 2-D or Not 2-D— ✦ Reid D. Landes, University of Arkansas for Medical Sciences; John VanDyk, Iowa State University

5:25 p.m. The BHH Tomato Example Revisited— ✦ Robert Easterling, Itinerant Professor

5:35 p.m. Disc: Russell V. Lenth, The University of Iowa

5:45 p.m. Floor Discussion

45   MCC-102 E
✳ ☆ Bayesian Methods in Federal Statistics—Invited
Section on Bayesian Statistical Science

Organizer(s): Malay Ghosh, University of Florida

Chair(s): Malay Ghosh, University of Florida

4:05 p.m. A Bayesian Analysis of Two-way Categorical Data from Small Areas Incorporating Intraclass Correlation— ✦ Balgobin Nandram, Worcester Polytechnic Institute; Jai W. Choi, National Center for Health Statistics

4:30 p.m. A Hierarchical Bayesian Nonresponse Model for Two-way Categorical Data from Small Areas with Uncertainty about Ignorability— ✦ Myron Katzoff, National Center for Health Statistics; Balgobin Nandram, Worcester Polytechnic Institute

4:55 p.m. Empirical and Hierarchical Bayes Estimation for Binary Response in Small Areas— ✦ Karabi Sinha, University of Illinois, Chicago; Malay Ghosh, University of Florida

5:20 p.m. Selection-bias-corrected Models for Evaluating Weighting Class and Multiple Imputation Methods of Adjusting for Partial Response When Missing Data Are Not Missing at Random— ✦ Philip J. Smith, U.S. Centers for Disease Control and Prevention; Lawrence Marsh, University of Notre Dame

5:45 p.m. Floor Discussion

46   MCC-102 F
☆ Statistical Methods for Monitoring Our Aquatic Resources—Invited
Section on Statistics and the Environment, ENAR, WNAR

Organizer(s): Jennifer A. Hoeting, Colorado State University

Chair(s): Don Stevens, Jr., Oregon State University

4:05 p.m. Nonparametric Small-area Estimation Using Penalized Spline Regression— ✦ Jean D. Opsomer, Iowa State University; Jay Breidt, Colorado State University; Gerda

Claeskens, Katholieke Universiteit Leuven; Goeran Kauermann, Universitaet Bielefeld; Giovanna Ranalli, Universita di Perugia

4:35 p.m. Some New Spatial Statistical Models for Stream Networks— ✦ Jay Ver Hoef, Alaska Department of Fish and Game

5:05 p.m. Bayesian Models for a Multivariate Discrete Response: Comparing Impacted and Nonimpacted Streams— ✦ Jennifer A. Hoeting, Colorado State University; Devin S. Johnson, University of Alaska Fairbanks; Megan Dailey, Colorado State University

5:35 p.m. Floor Discussion

47   MCC-211 B
✳ ☆ Statistical Analysis of Functional Neuroimaging Data—Invited
Section on Statistical Computing, WNAR, Section on Statistical Graphics, Biometrics Section

Organizer(s): Jonathan Taylor, Stanford University

Chair(s): Jonathan Taylor, Stanford University

4:05 p.m. Spatial Smoothing To Control Degrees of Freedom in fMRI Analysis— ✦ Keith J. Worsley, McGill University

4:35 p.m. Sensitivity and Specificity of FDR Methods in Neuroimaging— ✦ Thomas Nichols, University of Michigan

5:05 p.m. Wavelet-based Statistical Analysis of fMRI Data— ✦ Ivo D. Dinov, University of California, Los Angeles; John Boscardin, University of California, Los Angeles; Michael S. Mega, Neural-Net Research; Arthur W. Toga, University of California, Los Angeles

5:35 p.m. Floor Discussion

48   MCC-202 AB
✳ ☆ Statistical Methods for Spatial Data—Invited
WNAR, Section on Bayesian Statistical Science, Section on Nonparametric Statistics, ENAR, Section on Statistics and the Environment, Section on Statistical Graphics, Biometrics Section

Organizer(s): Francesca Dominici, Johns Hopkins University

Chair(s): Tyson Rogers, University of Minnesota

4:05 p.m. Bayesian Models for Spatial Extremes—Uli Schneider, Geophysical Statistics Project, NCAR; Douglas Nychka, National Center for Atmospheric Research; Daniel Cooley, University of Colorado at Boulder; ✦ Eric Gilleland, National Center for Atmospheric Research

4:35 p.m. Spatial Modeling of Environmental Exposures, Diseases, and Confounders from National Databases— ✦ Roger D. Peng, Johns Hopkins University

GENERAL PROGRAM SCHEDULE

☆ Themed Session ☀ Applied Session ✦ Presenter **MCC**-Minneapolis Convention Center **H**-Hilton Minneapolis **HY**-Hyatt Regency Minneapolis

5:05 p.m. Bayesian Spatial Boundary Analysis for Areal Health Outcome Data—✦ Bradley P. Carlin, University of Minnesota; Haijun Ma, University of Minnesota

5:35 p.m. Floor Discussion

Invited Panels 4:00 p.m.–5:50 p.m.

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49   MCC-208 B
☀ Total Survey Error: Past, Present, and Future—Invited
Section on Survey Research Methods, Social Statistics Section

Organizer(s): Paul Biemer, RTI International, The University of North Carolina at Chapel Hill

Chair(s): Michael D. Larsen, Iowa State University

Panelists: ✦ Paul Biemer, RTI International, University of North Carolina at Chapel Hill

✦ Robert Groves, University of Michigan

✦ Alan Zaslavsky, Harvard University

✦ William D. Kalsbeek, University of North Carolina at Chapel Hill

5:45 p.m. Floor Discussion

50   MCC-103 D
☀ The History of Regression and Correlation—Invited
***The American Statistician*, Social Statistics Section, Section on Statistical Education**

Organizer(s): James Albert, Bowling Green State University

Chair(s): John Walker, California Polytechnic State University

Panelists: ✦ James Hanley, McGill University

✦ Lee Wilkinson, Northwestern University

✦ Michael J. Rovine, The Pennsylvania State University

✦ Fritz J. Scheuren, University of Chicago

5:35 p.m. Floor Discussion

Invited Poster Sessions 4:00 p.m.–5:50 p.m.

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51   MCC-Level Two Lobby B
Invited Poster Session—Invited
Biometrics Section, Section on Statistical Computing, General Methodology, Section on Statistics and the Environment, Section on Survey Research Methods

Organizer(s): Ying Kuen Cheung, Columbia University

Chair(s): Ying Kuen Cheung, Columbia University

Probability, Mathematical Statistics, Stochastic Processes

01 Saddlepoint Approximations to Distribution Functions— ✦ John Kolassa, Rutgers, The State University of New Jersey

Data Mining and Knowledge Discovery, Machine Learning

02 The Dating of Historical Documents—✦ Gelila Tilahun, University of Toronto; Andrey Feuerverger, University of Toronto

03 L1-norm Multicategory Support Vector Machine and Its Solution Path—✦ Lifeng Wang, University of Minnesota; Xiaotong Shen, University of Minnesota

Reliability and Survival Modeling

04 Sample-size Formula for Clustered Survival Data Using Weighted Log-rank Statistics—✦ Ronald Gangnon, University of Wisconsin, Madison; Michael Kosorok, University of Wisconsin, Madison

Spatial Statistics, Time Series, Spatio-temporal Modeling

05 Predicting Exceedance Regions for Geostatistical Processes— ✦ Jian Zhang, The Ohio State University; Noel Cressie, The Ohio State University; Peter F. Craigmile, The Ohio State University

Sampling and Survey Methodology

06 Estimation of Prevalence of Overweight in Small Areas: a Robust Extension of Fay-Herriot Model—✦ Dawei Xie, University of Pennsylvania

Genetics, Bioinformatics, Computational Biology

07 Robust Estimation and Testing of Haplotype Effects in Case-control Studies—✦ Andrew S. Allen, Duke University; Glen A. Satten, U.S. Centers for Disease Control and Prevention

Biometrics, Biostatistics, Epidemiology

08 Categorizing Continuous Explanatory Variables Using Nonparametric Regression—✦ Sean M. O'Brien, Duke University

09 Testing Equality of Ordered Means in the General Linear Model—✦ Michael P. McDermott, University of Rochester

10 Variance Estimation of Crossvalidation Estimators of the Generalization Error—✦ Hong Tian, Columbia University; Marianthi Markatou, Columbia University; Shameek Biswas, Columbia University; George Hripcsak, Columbia University

GENERAL PROGRAM SCHEDULE

✩ Themed Session   ✳ Applied Session   ✦ Presenter   **MCC**-Minneapolis Convention Center   **H**-Hilton Minneapolis   **HY**-Hyatt Regency Minneapolis

Thurs–Sun

Topic Contributed Sessions 4:00 p.m.–5:50 p.m.

52   MCC-103 A
✳ Evaluation of Statistical Consulting Programs in an Academic Setting—Topic Contributed

Section on Statistical Consulting, Section on Statistical Education

Organizer(s): Manuela Huso, Oregon State University

Chair(s): Manuela Huso, Oregon State University

4:05 p.m.   Metrics Used To Evaluate Purdue University's Statistical Consulting Service—✦ Bruce Craig, Purdue University

4:25 p.m.   An Example of a Consulting Center Program Assessment—✦ K. B. Boomer, The Pennsylvania State University; Andrea M. Piccinin, The Pennsylvania State University

4:45 p.m.   Evaluation of Consultants: Hiring, Progress, and Promotion—✦ Edward Rothman, University of Michigan

5:05 p.m.   Disc: H. Dean Johnson, University of Idaho/Washington State University

5:25 p.m.   Disc: M. Bridget Zimmerman, The University of Iowa

5:45 p.m.   Floor Discussion

53   MCC-200 H
ROC Methods in Diagnostic Device Evaluation—Topic Contributed

Section on Statistics in Epidemiology, Biopharmaceutical Section, WNAR

Organizer(s): Michael Lu, Edwards Lifesciences; Peter Lam, Boston Scientific Corporation

Chair(s): Hollington Lu, U.S. Food and Drug Administration

4:05 p.m.   Receiver Operating Characteristic (ROC) Curve for Demographic Variable Dependent Diagnostic Method—✦ Michael Lu, Edwards Lifesciences; Victoria Petrides, Abbott Laboratories

4:25 p.m.   Analysis of Multireader, Multitest Receiver Operating Characteristic (ROC) Curves—✦ Xiao-Hua (Andrew) Zhou, University of Washington; Xiao Song, University of Washington

4:45 p.m.   Receiver Operation Characteristic Curve Method for Surrogate Endpoints for Predicting Target Revascularization in TAXUS Stent Clinical Trials—✦ Hong Wang, Boston Scientific Corporation; Peter Lam, Boston Scientific Corporation; Joerg Koglin, Boston Scientific Corporation; Mary Russell, Boston Scientific Corporation

5:05 p.m.   The Role of Late Loss in Predicting Target Lesion Revascularization (TLR) in TAXUS Stented Coronary Lesions—✦ Zheng (Frank) Zhou, Boston Scientific Corporation; Yongyi Yu, Boston Scientific Corporation; Peter Lam, Boston Scientific Corporation

5:25 p.m.   Establishment of a Surrogate Marker Application to Cardiovascular Drug Eluting Stent Trial—✦ Roseann White, Guidant Corporation

5:45 p.m.   Floor Discussion

54   MCC-213 AB
✳ Administrative Records: Input/Output—Topic Contributed

Section on Government Statistics, Section on Survey Research Methods

Organizer(s): Wendy Alvey, U.S. Census Bureau; Lisa Blumerman, U.S. Census Bureau

Chair(s): Thomas Petska, Internal Revenue Service

4:05 p.m.   Acquisition and Protection of Administrative Records: a U.S. Census Bureau Perspective—✦ Patricia Melvin, U.S. Census Bureau; Lisa Blumerman, U.S. Census Bureau

4:25 p.m.   Development of Population Estimates Using Administrative Records—✦ Signe Wetrogan, U.S. Census Bureau; Sally M. Obenski, U.S. Census Bureau; Rodger V. Johnson, U.S. Census Bureau

4:45 p.m.   Internal Revenue Service Area-to-area Migration Data: Strengths, Limitations, and Current Uses—✦ Emily Gross, U.S. Internal Revenue Service

5:05 p.m.   Statistical Uses of Social Security Administrative Data—✦ Dawn E. Haines, Social Security Administration; Brian Greenberg, Social Security Administration

5:25 p.m.   National Center for Health Statistics: Administrative Record Linkage Practices and Products—✦ Christine Cox, National Center for Health Statistics

5:45 p.m.   Floor Discussion

55   MCC-211 C
✳ Multiple Imputation in Mental Health Services Research—Topic Contributed

Section on Health Policy Statistics, ENAR, Section on Survey Research Methods, Social Statistics Section, WNAR, Biometrics Section

Organizer(s): Juned Siddique, University of California, Los Angeles

Chair(s): Thomas R. Belin, University of California, Los Angeles

4:05 p.m.   Multiple Imputation of a Depression Treatment Trial Using an Iterative Predictive Mean Matching Hot-deck—✦ Juned Siddique, University of California, Los Angeles; Thomas R. Belin, University of California, Los Angeles

GENERAL PROGRAM SCHEDULE

☆ Themed Session   ✳ Applied Session   ✦ Presenter   **MCC**-Minneapolis Convention Center   **H**-Hilton Minneapolis   **HY**-Hyatt Regency Minneapolis

4:25 p.m. Multiple Imputation To Adjust for Under-reporting in the National Latino and Asian American Survey— ✦ Bonnie Ghosh-Dastidar, RAND Statistics Group; Chih-nan Chen, Cambridge Health Alliance; Naihua Duan, University of California, Los Angeles; Margarita Alegria, Cambridge Health Alliance

4:45 p.m. Sequential Predictive Mean Matching Method of Multiple Imputation— ✦ Trivellore Raghunathan, University of Michigan; Florian Koller, GfK Custom Research, Inc.; Nathaniel Schenker, National Center for Health Statistics; Susanne Raessler, University of Erlangen-Nuremberg

5:05 p.m. Disc: Naihua Duan, University of California, Los Angeles

5:25 p.m. Disc: James O'Malley, Harvard Medical School

5:45 p.m. Floor Discussion

56   MCC-102 D

✳ ☆ Bayesian Selection in Random Effects and Covariance Structure Models—Topic Contributed

Section on Bayesian Statistical Science, Section on Statistics in Epidemiology, ENAR, WNAR, Biometrics Section

Organizer(s): David Dunson, National Institute of Environmental Health Sciences

Chair(s): David Dunson, National Institute of Environmental Health Sciences

4:05 p.m. Bayesian Correlation Estimation and Applications— ✦ Merrill Liechty, Drexel University; John Liechty, The Pennsylvania State University; Peter Mueller, The University of Texas M. D. Anderson Cancer Center

4:25 p.m. Variable Selection in Semiparametric Mixed Effects Models— ✦ Bo Cai, National Institute of Environmental Health Sciences; David Dunson, National Institute of Environmental Health Sciences

4:45 p.m. Bayesian Covariance Selection— ✦ Adrian Dobra, Duke University

5:05 p.m. Joint Models for Longitudinal Binary and Continuous Processes— ✦ Xuefeng Liu, University of Florida

5:25 p.m. An Empirical Bayes Method for Fitting Semiparametric Random-effect Models to Large Datasets— ✦ Michael Pennell, The University of North Carolina at Chapel Hill/NIEHS; David Dunson, National Institute of Environmental Health Sciences

5:45 p.m. Floor Discussion

57   MCC-212 AB

✳ Testing Multiple and/or Secondary Hypotheses in Clinical Trials—Topic Contributed

Biopharmaceutical Section, WNAR

Organizer(s): Abdul J. Sankoh, Aventis Pharmaceuticals

Chair(s): Wayne Weng, Novo Nordisk, Inc.

4:05 p.m. Non-inferiority Testing for Multiple Binary Endpoints— ✦ Isaac Nuamah, Johnson & Johnson

4:25 p.m. Issues with Cross-trial Estimation of Active-control Effect in the Traditional Two-arm, Active-control Trial Design— ✦ Abdul J. Sankoh, Aventis Pharmaceuticals

4:45 p.m. Estimations of Treatment Effects on Multiple Endpoints for Clinical Trials with Interim Analyses— ✦ Michael Lee, Merck Research Laboratories; Hui Quan, Merck Research Laboratories

5:05 p.m. Secondary Endpoints and Triaged Analyses in Clinical Trials— ✦ Lemuel Moye, The University of Texas Health Science Center at Houston

5:25 p.m. Disc: Mohammad Huque, U.S. Food and Drug Administration

5:45 p.m. Floor Discussion

58   MCC-103 B

Business Register Quality Practices of Various Agencies—Topic Contributed

Business and Economics Statistics Section, Section on Survey Research Methods

Organizer(s): Shirin Ahmed, U.S. Census Bureau; Franklin Winters, U.S. Census Bureau

Chair(s): Howard R. Hogan, U.S. Census Bureau

4:05 p.m. A Comparison for the Business Registers Used by the Bureau of Labor Statistics and the U.S. Census Bureau— ✦ Lucia Foster, U.S. Census Bureau; Joel Elvery, Bureau of Labor Statistics; Randy Becker, U.S. Census Bureau; Cornell Krizan, U.S. Census Bureau; Sang Nguyen, U.S. Census Bureau; David Talan, Bureau of Labor Statistics

4:25 p.m. Business Register Quality Metrics— ✦ Sheryl Konigsberg, Bureau of Labor Statistics; David Talan, Bureau of Labor Statistics; Richard Clayton, Bureau of Labor Statistics

4:45 p.m. Analytical Bias Reduction for Small Samples in the U.S. Consumer Price Index— ✦ Ralph Bradley, Bureau of Labor Statistics

5:05 p.m. Analyzing the JOLTS Hires and Separations Data— ✦ Jason Faberman, Bureau of Labor Statistics

5:25 p.m. An Automated Industry Coding Application for New U.S. Business Establishments— ✦ Anne T. Kearney, U.S. Census Bureau; Michael E. Kornbau, U.S. Census Burea

5:45 p.m. Floor Discussion

GENERAL PROGRAM SCHEDULE

☆ Themed Session   ☀ Applied Session   ✦ Presenter   **MCC**-Minneapolis Convention Center   **H**-Hilton Minneapolis   **HY**-Hyatt Regency Minneapolis

59   MCC-210 AB

☀ Recent Advances in Psychological and Educational Measurement—Topic Contributed

Social Statistics Section, Section on Survey Research Methods, Section on Bayesian Statistical Science

Organizer(s): Sandip Sinharay, Educational Testing Service

Chair(s): Carolyn Shettle, Westat

4:05 p.m.   Detecting Differential Item Functioning for Small Samples—✦ Sandip Sinharay, Educational Testing Service

4:25 p.m.   Estimating Variance in Highly Clustered Survey Samples—✦ Jiahe Qian, Educational Testing Service

4:45 p.m.   A Bayesian IRT Model for Comparative Item Performance under Dual Modes of Survey Administration or Educational Assessment—✦ Louis T. Mariano, RAND Corporation; Maria Orlando, RAND Corporation; Bonnie Ghosh-Dastidar, RAND Statistics Group

5:05 p.m.   An Item Response Model for Multidimensional Unfolding Preferential Choice Data—✦ Jimmy de la Torre, Rutgers, The State University of New Jersey

5:25 p.m.   Floor Discussion

Topic Contributed Panels 4:00 p.m.–5:50 p.m.

60   MCC-208 A

☀ ☆ Counting Out Loud: Data Collection Issues Essential for Improving the Welfare of Sexual Minorities—Topic Contributed

Section on Survey Research Methods, Social Statistics Section

Organizer(s): Barry Johnson, U.S. Internal Revenue Service

Chair(s): Arthur Kennickell, Federal Reserve Board

Panelists: ✦ Randall Sell, Columbia University
     ✦ Susan Cochran, University of California, Los Angeles
     ✦ Gary Gates, The Williams Project
     ✦ Lee Badgett, University of Massachusetts

5:35 p.m.   Floor Discussion

61   MCC-205 D

NCI and the Cancer Biomedical Informatics Grid (caBIG)—Current and Future Roles for Biostatisticians—Topic Contributed

Biometrics Section, WNAR

Organizer(s): Terry Hyslop, Thomas Jefferson University

Chair(s): Zhezhen Jin, Columbia University

Panelists: ✦ Terry Hyslop, Thomas Jefferson University
     ✦ Shannon McWeeney, Oregon Health and Science University
     ✦ Joyce Niland, City of Hope National Medical Center
     ✦ Christine McLaren, University of California, Irvine
     ✦ Leslie Derr, National Cancer Institute

5:35 pm   Floor Discussion

Regular Contributed Sessions 4:00 p.m.–5:50 p.m.

62   MCC-205 B

☀ DNA Data and Microarry Measurements—Contributed

Biometrics Section, WNAR

Chair(s): Hongmei Zhang, University of West Florida

4:05 p.m.   Simplified Sequential Multiple Decision Procedures (SSMDP) for Genome Scans—✦ Qunyuan Zhang, Washington University School of Medicine; Michael A. Province, Washington University School of Medicine

4:20 p.m.   Why Does Shrinking the Variance Estimates Help the Multiple Testing for a Large Number of Populations Such as Genes?—✦ Peng Liu, Cornell University; J. T. Gene Hwang, Cornell University

4:35 p.m.   Detecting Peaks in a High-resolution Map of Active Promoters in the Human Genome Using Double-regression Model—✦ Ming Zheng, University of California, Los Angeles; Yingnian Wu, University of California, Los Angeles; Tae Hoon Kim, Ludwig Institute for Cancer Research, UCSD; Leah Barrera, University of California, San Diego; Chunxu Qu, Ludwig Institute for Cancer Research, UCSD; Michael Singer, Nimblegen Systems, Inc.; Todd Richmand, Nimblegen Systems, Inc.; Roland Green, Nimblegen Systems, Inc.; Bing Ren, University of California, San Diego

4:50 p.m.   A Mixture Model in Nucleosome Core DNA Sequence Alignment—✦ Ji-Ping Wang, Northwestern University; Jonathan Widom, BMBCB, Northwestern University

5:05 p.m.   A Likelihood-based Approach to Modeling Real-time RT-PCR Data with Right Censoring—✦ Yi He, University of Minnesota; Bonnie LaFleur, Vanderbilt University

5:20 p.m.   Comparison of Links between Quantitative Trait Loci and Gene Expression Data—✦ Bing Han, The Pennsylvania State University

5:35 p.m.   Floor Discussion

GENERAL PROGRAM SCHEDULE

☆ Themed Session ❋ Applied Session ✦ Presenter **MCC**-Minneapolis Convention Center **H**-Hilton Minneapolis **HY**-Hyatt Regency Minneapolis

63   MCC-205 A
❋ Genetic Association and Complex Traits—Contributed
Biometrics Section, Social Statistics Section, WNAR

Chair(s): Saunak Sen, University of California, San Francisco

4:05 p.m.   Guidelines for Genome-wide, Haplotype-based Association Studies Using SNPs—✦ Chun Zhang, Affymetrix, Inc.

4:20 p.m.   Multilocus LD Measure and Tagging SNP Selection with Generalized Mutual Information—✦ Zhenqiu Liu, The Ohio State University; Shili Lin, The Ohio State University

4:35 p.m.   Powerful Statistics for Testing the Null Hypothesis of No Association versus the Alternative of One Associated Category in 2-by-m Tables (m>4)—✦ Jeanine Houwing-Duistermaat, Leiden University Medical Center; Rachid el Galta, Leiden University Medical Center; Hans van Houwelingen, Leiden University Medical Center

4:50 p.m.   A Modified Quasi-likelihood Score Test for Evaluating Candidate Genes in Case-control Studies— ✦ Timothy Thornton, The University of Chicago; Mary Sara McPeek, The University of Chicago

5:05 p.m.   Microarray Multidisciplinary Research Team Overview— ✦ Laura L. Johnson, National Center for Alternative and Complimentary Medicine

5:20 p.m.   Floor Discussion

64   MCC-103 C
☆ Bayesian Asymptotic, Semiparametric, and Nonparametric Inference—Contributed
Section on Bayesian Statistical Science, ENAR, Biometrics Section

Chair(s): Herbert Lee, University of California, Santa Cruz

4:05 p.m.   Saddlepoint Approximations for Matched Case-control Problems—✦ Upasana Santra, University of Florida; Malay Ghosh, University of Florida

4:20 p.m.   A Generalized Maximum Likelihood Prior— ✦ Anna Nicolaou, University of Macedonia; Mihaela Aslan, Yale University

4:35 p.m.   Semiparametric Bayesian Inference for Multilevel Repeated Measurement Data—✦ Gary Rosner, The University of Texas M. D. Anderson Cancer Center; Peter Mueller, The University of Texas M. D. Anderson Cancer Center; Fernando A. Quintana, Pontificia Universidad Catolica de Chile

4:50 p.m.   Bayesian Semiparametric Inference Based on Ranks in Linear Models—✦ Xiaojiang Zhan, Merck & Co., Inc.

5:05 p.m.   Posterior Consistency in Nonparametric Problems under Gaussian Process Priors—✦ Taeryon Choi, Carnegie Mellon University; Mark J. Schervish, Carnegie Mellon University

5:20 p.m.   Applications of Levy Processes in Bayesian Nonparametric Modeling—✦ Chong Tu, Duke University; Merlise Clyde, Duke University; Robert L. Wolpert, Duke University

5:35 p.m.   Generalized Spatial Dirichlet Process Model— ✦ J. A. Duan, Duke University; Michele Guindani, Bocconi University; Alan E. Gelfand, Duke University

65   MCC-208 C
Robustness—Contributed
General Methodology, Section on Nonparametric Statistics

Chair(s): Dongseok Choi, Oregon Health & Science University

4:05 p.m.   Higher-order Asymptotics for the Mixed-effects Linear Model—✦ Sigfrido Iglesias-Gonzalez, University of Toronto

4:20 p.m.   Robust and Efficient Estimation under Data Grouping—✦ Nan Lin, Washington University in St. Louis; Xuming He, University of Illinois, Urbana-Champaign

4:35 p.m.   Determining the Number of Clusters in Data via the Weighted Gap Statistic—✦ Mingjin Yan, Virginia Polytechnic Institute and State University

4:50 p.m.   Exact Bounded Risk Two-stage Estimation under Dependent Terminal Sample Size and Estimator— ✦ William Pepe, University of Connecticut; Nitis Mukhopadhyay, University of Connecticut

5:05 p.m.   Exact Test Size in the General Univariate Linear Model under Violation of Homogeneity of Variance with Cluster Samples of Unequal Size—✦ Jacqueline Johnson, The University of North Carolina at Chapel Hill; Keith E. Muller, The University of North Carolina at Chapel Hill

5:20 p.m.   Robust Estimation to Location-scale Models— ✦ Wang Qiong, North Carolina State University

5:35 p.m.   Walk-trimmed Means—✦ Mingxin Wu, Michigan State University

66   MCC-201 AB
❋ Analysis of Truncated/Censored Observations and Survival Outcomes—Contributed
ENAR, Section on Statistics in Epidemiology, WNAR, Biometrics Section

Chair(s): David Dahl, Texas A&M University

4:05 p.m.   Some Thoughts on the Relative Survival Rate— ✦ Christiana Drake, University of California, Davis

GENERAL PROGRAM SCHEDULE

☆ Themed Session   ✳ Applied Session   ✦ Presenter   **MCC**-Minneapolis Convention Center   **H**-Hilton Minneapolis   **HY**-Hyatt Regency Minneapolis

Thurs–Sun

4:20 p.m. Tests of the Equality of Two Cumulative Incidence Functions—✦ Ruta Bajorunaite, Marquette University

4:35 p.m. Median Regression Analysis Using Left- and Right-censored Observations—✦ Sundar Subramanian, University of Maine

4:50 p.m. Likelihood-based Approach for Left-censored Covariates—✦ Gina D'Angelo, University of Pittsburgh; Lisa Weissfeld, University of Pittsburgh

5:05 p.m. Flexible Cure Rate Modeling under Latent Activation Schemes—✦ Freda Cooner, University of Minnesota; Sudipto Banerjee, University of Minnesota; Bradley P. Carlin, University of Minnesota; Debajyoti Sinha, Medical University of South Carolina

5:20 p.m. Joint Modeling of Longitudinal Data and Informative Followup Process—✦ Yu Liang, Columbia University; Wenbin Lu, North Carolina State University

5:35 p.m. A Weighted Empirical Estimation of a Distribution Function with Interval-censored and Truncated Observations—✦ Hsiao-Chuan Tien, The University of North Carolina at Chapel Hill; Pai-Lien Chen, Family Health International

67   MCC-200 DE

General Methodology—Contributed
Biopharmaceutical Section, WNAR

Chair(s): Rajagopalan Srinivasan, INC Research, Dataspectrum

4:05 p.m. A Test for Monotonicity of Normal Means with Unequal Variances—✦ Arthur Roth, Pfizer, Inc.

4:20 p.m. Use of the Fieller-Hinkley Distribution of the Ratio of Random Variables in Testing for Noninferiority and Equivalence—✦ Kallappa Koti, U.S. Food and Drug Administration

4:35 p.m. Fitting Polyexponentials and Quasipolynomials to HIV Viral Load Data—✦ Les Huson, GNB Limited; Jain Chung, F. Hoffman-La Roche; Mickey Salgo, F. Hoffman-La Roche

4:50 p.m. Detecting Epistasis among the Quantitative Trait Loci—✦ Wei Ning, Syracuse University; Hyune-Ju Kim, Syracuse University

5:05 p.m. A Tolerance Interval-based, Two-stage Sequential Quality Assurance Test on Content Uniformity of Drug—✦ Meiyu Shen, U.S. Food and Drug Administration; Yi Tsong, U.S. Food and Drug Administration

5:20 p.m. Some Improved Tests Using Pilot Study Information—✦ Samuel Wu, University of Florida; Mark Yang, University of Florida

5:35 p.m. Weighted Nonparametric Maximum Likelihood Estimation of a Mixing Distribution—✦ Ying Zhang, Virginia Polytechnic Institute and State University; Chaofeng

Liu, Eli Lilly and Company

68   MCC-208 D

✳ Financial Risk Analysis—Contributed
Section on Risk Analysis

Chair(s): Edward Melnick, New York University

4:05 p.m. Nonparametric Inference of Value at Risk for Dependent Financial Returns—Song Xi Chen, Iowa State University; ✦ Chengyong Tang, Iowa State University

4:20 p.m. Modeling of Operational Risk Losses—✦ Emmanuel Yashchin, IBM

4:35 p.m. Tail Index Estimation for Partitioned Insurance Loss Data—✦ Ping-Hung Hsieh, Oregon State University; John Henry, Oregon State University

4:50 p.m. Risk Modeling under Segmentation—✦ Qun Xie, Tsinghua University

5:05 p.m. On the Application of Survival Analysis To Predict Business Failure—Edgar Ortiz, Dun & Bradstreet; ✦ Wei Zhou, Dun & Bradstreet

5:20 p.m. On the Application of Zero Inflated Count Models to Business Delinquency Prediction—✦ Edgar Ortiz, Dun & Bradstreet; Paul Chin, Dun & Bradstreet Global Decision Sciences

5:35 p.m. Floor Discussion

69   MCC-103 E

Splines and Time Series—Contributed
Section on Nonparametric Statistics

Chair(s): Kaisheng Song, Florida State University

4:05 p.m. Smoothing Spline Models with Stationary Time-series Errors—✦ Ming Dai, University of North Carolina, Charlotte; Wensheng Guo, University of Pennsylvania

4:20 p.m. Generalized Varying Coefficient Models for Longitudinal Data—✦ Damla Senturk, The Pennsylvania State University; Hans-Georg Mueller, University of California, Davis

4:35 p.m. Testing for Superiority among Two Time Series—✦ Fang Li, Indiana University-Purdue University, Indianapolis; Hira L. Koul, Michigan State University

4:50 p.m. Penalized Spline Models for Functional Data—✦ Fang Yao, Colorado State University; Thomas Lee, Colorado State University

5:05 p.m. Random-effects Selection in a Nonlinear Mixed Model with Many Parameters—✦ Karen Chiswell, North Carolina State University; John F. Monahan, North Carolina State University

GENERAL PROGRAM SCHEDULE

☆ Themed Session   ✹ Applied Session   ✦ Presenter   **MCC**-Minneapolis Convention Center   **H**-Hilton Minneapolis   **HY**-Hyatt Regency Minneapolis

5:20 p.m.   The Effect of Serial Correlation on the Shapiro-Wilk and Wilcoxon Tests—✦ Yulia Gel, University of Waterloo; Weiwen Miao, Macalester College; Joseph L. Gastwirth, George Washington University

5:35 p.m.   Penalized Spline Estimation for Generalized Partially Linear Single-index Models—✦ Yan Yu, University of Cincinnati

70   MCC-211 A
✹ Mixtures, Missing Data, and EM—Contributed
Section on Statistical Computing

Chair(s): Robert Shumway, University of California, Davis

4:05 p.m.   Efficient Computational Strategies for Normal Mixture Models with Missing Information—✦ Tsung-I Lin, Tunghai University; Jack C. Lee, National Chiao-Tung University

4:20 p.m.   On Lassoing Mixtures—✦ Guan Xing, Case Western Reserve University; J. Sunil Rao, Case Western Reserve University

4:35 p.m.   Analyzing the Model Fit of Finite Mixture Models— ✦ Bettina Gruen, Vienna University of Technology; Friedrich Leisch, Vienna University of Technology

4:50 p.m.   Estimating Mixtures of Normals Using UNMIX— ✦ Hasan Hamdan, James Madison University

5:05 p.m.   Gaussianization-based Quasi-imputation strategies for Longitudinal Binary Responses—✦ Hakan Demirtas, University of Illinois, Chicago

5:20 p.m.   Accelerating the EM Algorithm without Much Fuss: Squared Extrapolation Methods (SQUAREM)— ✦ Ravi Varadhan, Johns Hopkins University; Christophe Roland, Université des Sciences et Technologies de Lille

5:35 p.m.   MLE of Multivariate Normal Parameters in the Presence of Left-censored and Missing Values— ✦ Heather Hoffman, Virginia Commonwealth University; Robert E. Johnson, Virginia Commonwealth University

71   MCC-103 F
Assessments of Students' Learning and Attitudes in Introductory Statistics—Contributed
Section on Statistical Education

Chair(s): Ann Cannon, Cornell College

4:05 p.m.   Assessment of Materials for Engaging Students in Statistical Discovery—✦ Amy G. Froelich, Iowa State University; W. Robert. Stephenson, Iowa State University; William M. Duckworth, Iowa State University

GENERAL PROGRAM SCHEDULE

☆ Themed Session   ✳ Applied Session   ✦ Presenter   **MCC**-Minneapolis Convention Center   **H**-Hilton Minneapolis   **HY**-Hyatt Regency Minneapolis

Thurs–Sun

4:20 p.m. Applying an Action-research Model To Assess Student Understanding of the Central Limit Theorem in Postcalculus Probability and Statistics Courses— ✦ Myrtis L. Lunsford, Longwood University; Ginger Holmes Rowell, Middle Tennessee State University; Tracy Goodson-Espy, Appalachian State University

4:35 p.m. Brigham Young University TestBank: an Automated System for Unique Test Generation and Correction— ✦ David G. Whiting, Brigham Young University; Del T. Scott, Brigham Young University

4:50 p.m. Evaluation of Classification Accuracy and Consistency in Educational Testing—Lisue Chen, CTB/McGraw-Hill; ✦ Matthew Finkelman, CTB/McGraw-Hill; David Rogosa, Stanford University

5:05 p.m. An Example of Utilizing Data Analysis for Assessing a Math General Education Curriculum—✦ Charles Todd, Montana Tech, The University of Montana

5:20 p.m. Getting Students Involved in Learning Introductory Statistics in a Large Lecture Setting—✦ Jackie Miller, The Ohio State University

5:35 p.m. Floor Discussion

72   MCC-200 F
Recurrent Events, Competing Risks, and Other Challenges in Survival Analysis—Contributed
Section on Statistics in Epidemiology, ENAR, WNAR, Biometrics Section

Chair(s): Ying Guo, Emory University

4:05 p.m. Choice of Time Scale and Its Effect on Significance of Predictors in Longitudinal Studies—✦ Michael Pencina, Boston University; Martin G. Larson, Boston University; Ralph D'Agostino, Boston University

4:20 p.m. A Novel Application of Survival Analysis to the Study of Infant Birth Weight—✦ Katherine Hoggatt, University of California, Los Angeles; Sander Greenland, University of California, Los Angeles; Beate Ritz, University of California, Los Angeles

4:35 p.m. Markovian Multistate Regression Models for Cardiovascular Diseases—✦ Somesh Chattopadhyay, Florida State University

4:50 p.m. Analysis of Competing Risks with Frequent Tied-event Times—✦ Robert Glynn, Brigham and Women's Hospital; Bernard Rosner, Harvard Medical School; William G. Christen, Brigham and Women's Hospital

5:05 p.m. Attributable Risk Estimation in Longitudinal Studies with Censoring—✦ Cynthia S. Crowson, Mayo Clinic; Terry

M. Therneau, Mayo Clinic; Sherine E. Gabriel, Mayo Clinic; W. Michael O'Fallon, Mayo Clinic

5:20 p.m. Comparing Smoothing Techniques for Modeling Exposure-response Curves in Cox Models— Donna Spiegelman, Harvard School of Public Health; ✦ Usha S. Govindarajulu, Harvard School of Public Health; Ellen Eisen, Harvard School of Public Health

5:35 p.m. Recurrent Event Models in the Presence of a Terminal Event: Comparison, Inference, and Data Analysis— ✦ Xianghua Luo, Johns Hopkins University; Mei-Cheng Wang, Johns Hopkins University

73   MCC-209 AB
✳ ☆ Survey Data in Health and Epidemiological Applications—Contributed
Section on Survey Research Methods

Chair(s): Christopher H. Johnson, U.S. Centers for Disease Control and Prevention

4:05 p.m. Uses of the Medicare Current Beneficiary Survey for Analysis across Time—✦ David Ferraro, Westat; Hongji Liu, Westat; Ravi Sharma, Westat

4:20 p.m. Using Repeated Measures Techniques To Analyze Cluster-correlated Survey Responses— ✦ Celia Eicheldinger, RTI International; G. Gordon Brown, RTI International; James Chromy, RTI International

4:35 p.m. Application of Confidence Interval Methods for Small Proportions in the Health Care Survey of DoD Beneficiaries—✦ Amang Sukasih, Mathematica Policy Research, Inc.; Donsig Jang, Mathematica Policy Research, Inc.; Michael Hartzell, U.S. Department of Defense

4:50 p.m. Incorporating Multiple Observations into Logistic Regression Models of Incident Disease—✦ Julia Bienias, Rush University Medical Center; Phillip S. Kott, National Agricultural Statistics Service; Todd L. Beck, Rush University Medical Center; Denis A. Evans, Rush University Medical Center

5:05 p.m. Basic Models for Mapping Prescription Drug Distributions—✦ Kennon Copeland, IMS Health, Inc.; Elizabeth Allen, IMS Health, Inc.

5:20 p.m. Improving Population Surveys of Health Care Utilization—✦ Monroe Sirken, National Center for Health Statistics

5:35 p.m. Adjusting for Nonresponse in the Health Care Survey of DoD Beneficiaries—✦ Nancy Clusen, Mathematica Policy Research, Inc.; Haixia Xu, Mathematica Policy Research, Inc.; Michael Hartzell, U.S. Department of Defense

GENERAL PROGRAM SCHEDULE

☆ Themed Session ✳ Applied Session ✦ Presenter **MCC**-Minneapolis Convention Center **H**-Hilton Minneapolis **HY**-Hyatt Regency Minneapolis

Contributed Posters 8:00 p.m.–9:50 p.m.

74 MCC-Level Two Lobby B
Contributed Poster Session 1—Contributed

Business and Economics Statistics Section, Biometrics Section, Biopharmaceutical Section, General Methodology, Section on Government Statistics, Section on Nonparametric Statistics, Section on Statistical Education, Section on Statistics and the Environment, Section on Statistics in Epidemiology, Section on Teaching Statistics in the Health Sciences, ENAR

Organizer(s): Ying Kuen Cheung, Columbia University

Chair(s): Ying Kuen Cheung, Columbia University

Biometrics, Biostatistics, Epidemiology

01 Sigmoidally-transformed Cosine Curves: Mathematical Model for Circadian Rhythms with Nonsinusoidal Shapes—✦ Matthew Marler, University of California, San Diego; Philip Gehrman, Pennsylvania Center for Sleep and Respiratory Physiology; Jennifer Martin, University of California, Los Angeles

02 Statistical Analysis of Bioassays of Environmental Toxicants Using the Nematode Caenorhabditis Elegans—✦ Sandra McBride, Duke University; Grace E. Kissling, National Institute of Environmental Health Sciences; Windy Boyd, Duke University; Jon Freedman, Duke University

03 Predicting Time-to-clinical Stability and Length of Hospital Stay in Patients with Community-acquired Pneumonia—✦ Andrew S. LaJoie, University of Louisville; Rafeal De La Cruz, University of Louisville; Douglas J. Lorenz, University of Louisville; Julio A. Ramirez, University of Louisville

04 Utilizing Propensity Scores To Test Treatment Effects in Survival Data—✦ Jingxia Liu, Medical College of Wisconsin; Meijie Zhang, Medical College of Wisconsin

05 Clinical vs. Statistical View of the Association of Waist vs. Body Mass Index with Incident Diabetes: a Literature-based Metaanalysis—✦ Gabriela Vazquez, University of Minnesota; Sue Duval, University of Minnesota; David Jacobs, University of Minnesota

06 Analyzing the National Longitudinal Survey of Youth: a Comparison of Statistical Methods—✦ Jonathan Mahnken, University of Kansas Medical Center; Chaoyang Li, University of Kansas Medical Center; Niaman Nazir, University of Kansas Medical Center; Joseph So, University of Kansas Medical Center; Harsohena Kaur, University of Kansas Medical Center; Jasjit Ahluwalia, University of Kansas Medical Center

Business, Financial, and Marketing Statistics

07 The Financial Impact of Global Events on the Home Improvement Industry—Norean Sharpe, Babson College; ✦ Andrew Mullin, Babson College

Data Mining and Knowledge Discovery, Machine Learning

08 Nonlinearity in a Large Dataset for an Urban Development Study—✦ Wei-hong Wang, The College of New Jersey; Pin-Shuo Liu, William Paterson University

Economics, Game Theory

09 Stationary ARMA Processes with Relative Error—✦ Key-Il Shin, Hankuk University of Foreign Studies; Heungsun Park, Hankuk University of Foreign Studies

Genetics, Bioinformatics, Computational Biology

10 The Application of Block Wavelet Shrinkage Principal Components Model on DNA Microarray Data—✦ Jack Lee, Chinese University of Hong Kong; Benny C. Zee, Chinese University of Hong Kong

11 Constructing Gene Expression-based Diagnostic Rules for Understanding Individualized Etiology of Complex Diseases—✦ Zhong Gao, Johns Hopkins University

12 Genetic Linkage Analysis of Bivariate Traits Using Identity by Descent Data from Sib-pairs—✦ Jian Han, Bristol-Myers Squibb Company

13 Joint Tests for Quantitative Trait Loci in Transmission Disequilibrium Testing—✦ Jasmin Divers, University of Alabama at Birmingham; T. Mark Beasley, University of Alabama at Birmingham; Hemant Tiwari, University of Alabama at Birmingham; David B. Allison, University of Alabama at Birmingham

Health Policy, Public Health

14 Combining Information from Multiple Surveys To Improve on Analyses of Self-reported Data in Estimating Measures of Health Disparities—✦ Nathaniel Schenker, National Center for Health Statistics; Trivellore Raghunathan, University of Michigan

15 Analysis of Short-term Influences of Ambient Aeroallergens on Pediatric Asthma Hospital Visits in the Cincinnati Area—✦ Wei Zhong, University of Cincinnati; Linda Levin, University of Cincinnati; Atin Adhikari, University of Cincinnati; Tiina Reponen, University of Cincinnati; Rakesh Shukla, University of Cincinnati; Gurjit K. Khurana Hershey, Cincinnati Children's Hospital Medical Center; Grace LeMasters, University of Cincinnati

16 Examples of Student Projects Using Historical Health Statistics—✦ S. David Kriska, Restat Systems, Inc.; Marcia M. Sass, UMDNJ School of Public Health; Mark C. Fulcomer, Richard Stockton College of New Jersey; Ann E. Jones, UMDNJ School of Public Health; Brian T. Little, UMDNJ School of Public Health; Michael W. Holton, Harvard School of Public Health; Jallah M. Kennedy, UMDNJ School of Public Health

Incomplete Data Analysis, Imputation Methods

17 A Pattern-mixture Model for Censored Binary Longitudinal Data—✦ Yuting Zhang, MedFocus; Brent J. Shelton, University of Kentucky

GENERAL PROGRAM SCHEDULE

☆ Themed Session   ✳ Applied Session   ✦ Presenter   **MCC**-Minneapolis Convention Center   **H**-Hilton Minneapolis   **HY**-Hyatt Regency Minneapolis

Thurs-Sun

Logitudinal Data, Repeated Measurements, and Cluster Data

18 Using Conditional Residuals To Assess Goodness-of-Fit in Hidden Markov Models—✦ Theodore Lystig, AstraZeneca

19 Analytic Alternatives in Assessing Sustained Clinical Response Based on Repeated Continuous Outcomes: a Clinical Trial Example—✦ Ilya Lipkovich, Eli Lilly and Company; Shuyi Shen, Eli Lilly and Company; Craig Mallinckrodt, Eli Lilly and Company

20 Analysis of Longitudinal Data in Presence of Informative Observation Process with Application to Pediatric Cancer Study—✦ Shesh Rai, St. Jude Children's Research Hospital; Sean Phipps, St. Jude Children's Research Hospital; Deo K. Srivastava, St. Jude Children's Research Hospital; James M. Boyett, St. Jude Children's Research Hospital; Jianguo (Tony) Sun, University of Missouri, Columbia

Neuroscience, Brain Imaging

21 Undercoverage of Wavelet-based Resampling Confidence Intervals—✦ Liansheng Tang, Southern Methodist University; William R. Schucany, Southern Methodist University; Wayne Woodward, Southern Methodist University

Semiparametric, Nonparametric Methods

22 Nonparametric Estimation of Risk Measures—✦ Kee-Hoon Kang, Hankuk University of Foreign Studies; Seok-Oh Jeong, Hankuk University of Foreign Studies

Spatial Statistics, Time Series, Spatio-temporal Modeling

23 Bayesian Areal Wombling for Geographical Boundary— Bradley P. Carlin, University of Minnesota; ✦ Haolan Lu, University of Minnesota

24 On the Relationship between Wind Speeds at Neighboring Locations—✦ John Rogers, Westat; Anthony Rogers, University of Massachusetts

Teaching, Training, Consulting

25 Using Asymptotic Results and Smoothing To Obtain a Confidence Interval for the Population Median—✦ Mojgan Khatoonabadi, California State University, Fullerton; Mortaza Jamshidian, California State University, Fullerton

26 Interactive Statistics Tutorials Using JAVA Applets—✦ Dale Berger, Claremont Graduate University; Christopher L. Aberson, Humboldt State University; Michael R. Healy, Claremont Graduate University; Victoria L. Romero, Claremont Graduate University; Amanda T. Saw, Claremont Graduate University

27 Active Learning Using Real-time, Online, Hands-on Activities—✦ Carl Lee, Central Michigan University; Felix Famoye, Central Michigan University

28 Classroom Simulation: the Margin of Error in a Public Opinion Poll—✦ Bruce E. Trumbo, California State University, East Bay (Hayward Hills Campus); Eric Suess, California State University, East Bay (Hayward Hills Campus); Shuhei Okumura, California State University, Hayward

29 Understanding the One-way, Random-effect ANOVA—✦ Eric Suess, California State University, East Bay (Hayward Hills Campus); Bruce E. Trumbo, California State University, East Bay (Hayward Hills Campus); Antonio P. Curtis, California State University, Hayward

30 Choosing a Career as a Statistician in a Liberal Arts College— ✦ Shonda Kuiper, Grinnell College; Julie Legler, St. Olaf College; Carolyn Morgan, Hampton University

31 A Survey of Clinician Attitudes toward Biostatistics in Medicine—✦ Colin P. West, Mayo Clinic College of Medicine; Robert D. Ficalora, Mayo Clinic College of Medicine

OPENING
MIXER
and Contributed Poster Session

Sunday, August 7
8:00 p.m.–10:30 p.m.

Minneapolis Convention Center
Level 2, Lobby B, Seasons, and Bridge

IMS

Presidential Address

IMS President 2004–05, Louis H.Y. Chen, will deliver the 2005 Presidential Address on *"The Poisson Paradigm."*

Also this evening:

- Presentation of the 2005 H C Carver Award Medal

- Presentation of New IMS Fellows

- Announcement of 2006 Special Invited Lectures

- Announcement of Laha Award Recipients

Louis H Y Chen

Reception immediately following: everyone is welcome

IMS

Student Mixer

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 where we will have applications available, or you can join online at www.imstat.org.

IMS Membership is *free* for students.

Last year's reception in Barcelona, Spain