

IMS Bulletin



November/December 2002

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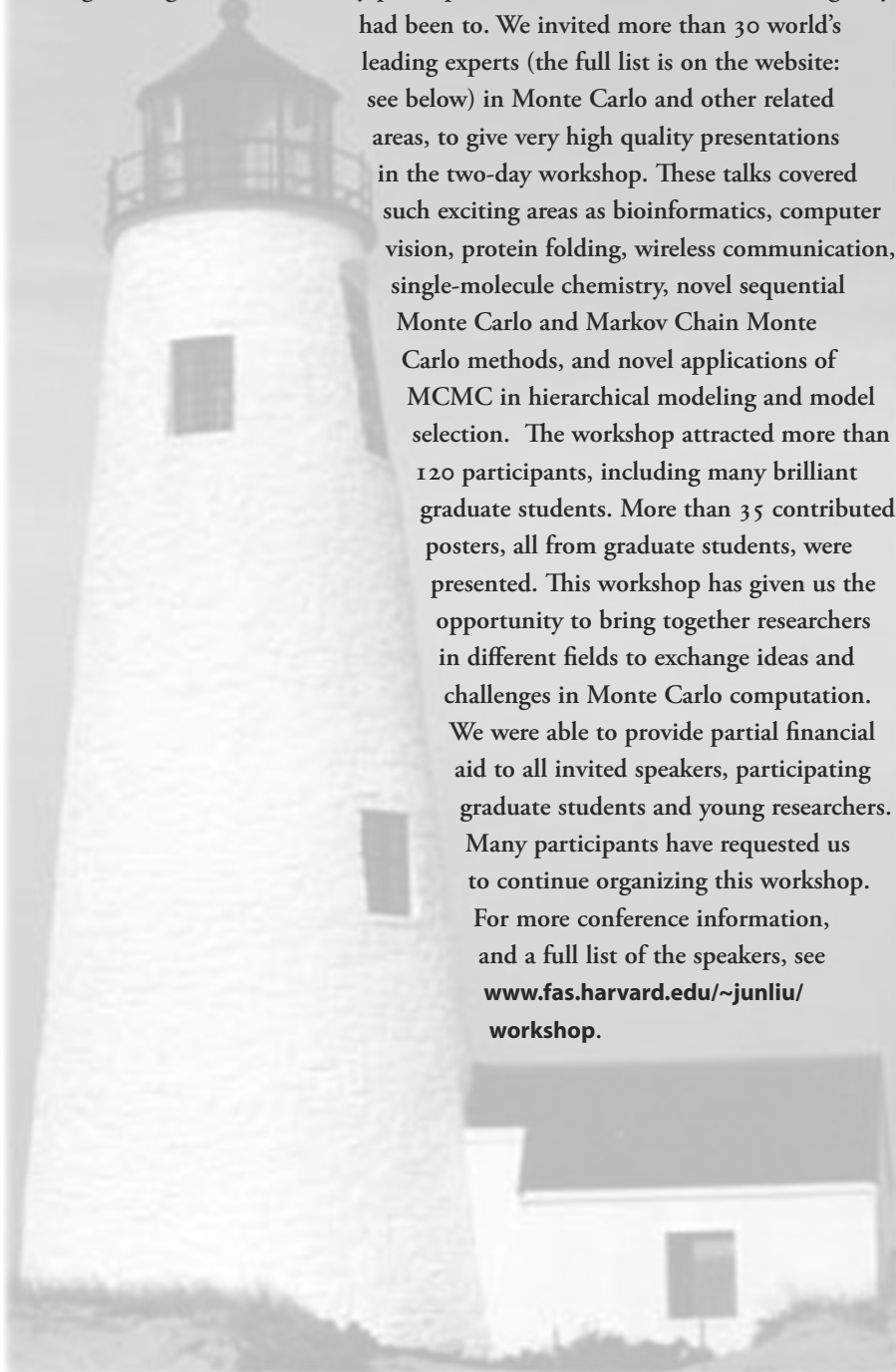
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77 adverts in this issue!

Good Cod: Workshop Report

Conference organizer Jun Liu, writes: With support from IMS and NSF, the First Cape Cod Workshop on Monte Carlo Methods took place in September. The meeting was a great success: many participants claimed it was the best meeting they

had been to. We invited more than 30 world's leading experts (the full list is on the website: see below) in Monte Carlo and other related areas, to give very high quality presentations in the two-day workshop. These talks covered such exciting areas as bioinformatics, computer vision, protein folding, wireless communication, single-molecule chemistry, novel sequential Monte Carlo and Markov Chain Monte Carlo methods, and novel applications of MCMC in hierarchical modeling and model selection. The workshop attracted more than 120 participants, including many brilliant graduate students. More than 35 contributed posters, all from graduate students, were presented. This workshop has given us the opportunity to bring together researchers in different fields to exchange ideas and challenges in Monte Carlo computation. We were able to provide partial financial aid to all invited speakers, participating graduate students and young researchers. Many participants have requested us to continue organizing this workshop. For more conference information, and a full list of the speakers, see www.fas.harvard.edu/~junliu/workshop.



Photograph courtesy of www.capecod.com

Contact Information

To contact the IMS Bulletin:

Bulletin Editor Bernard Silverman

Assistant Editor Tati Howell

Submissions in MS Word or plain text, please.

Send by email: bulletin@imstat.org

or mail disk to: IMS Bulletin
PO Box 1986
Bristol
BS99 1TL
UK

To contact the IMS regarding your dues, membership, subscriptions, orders or change of address:

Institute of Mathematical Statistics
Dues and Subscriptions Office
9650 Rockville Pike, Suite L2310
Bethesda,
MD 20814-3998
USA
t 301.530.7029
f 301.571.5728
e staff@imstat.org

To contact the IMS regarding any other matter, including advertising, copyright permission, offprint orders, copyright transfer, societal matters, meetings, fellows nominations and content of publications:

Executive Director, Elyse Gustafson
IMS Business Office
PO Box 22718
Beachwood,
OH 44122
USA
t 216.295.2340
f 216.921.6703
e ims@imstat.org

News from IMS members

C. F. Jeff Wu (U Michigan) has accepted an offer to join the School of Industrial and Systems Engineering, Georgia Institute of Technology in summer of 2003. He will be the Coca Cola Chair in Engineering Statistics. The engineering statistics group at ISyE has 10 members and will continue to grow. Also moving to Georgia is IMS Fellow **John Stufken** (US National Science Foundation and Iowa State U); he accepted an offer for the position of Head of the Department of Statistics at the University of Georgia. He will start his new position in August of 2003.

IMS Bulletin Editor **Bernard Silverman** has been elected Master (President) of St Peter's College, Oxford, to take up office on 1 October 2003. St Peter's College is one of the colleges of Oxford University, and Bernard will also hold the title of Professor of Statistics in the University.

Luis Raul Pericchi has been appointed Professor and Director of the Department of Mathematics and Computer Science, of the University of Puerto Rico, Rio Piedras Campus in San Juan, Puerto Rico. The Rio Piedras is the oldest and largest of the 11 campuses that form the University of Puerto Rico. The Department hosts two Bachelor Degrees (Mathematics and Computer Science), one MSc (Maths: Pure and Applied) and one PhD (Maths: Pure, Discrete and Computational Maths and Statistics). Dr Pericchi was elected a member of the International Statistical Institute in 1989, and is the current program chair of the International Society for Bayesian Analysis, ISBA [See the announcement of the First IMS-ISBA Meeting on page 19].

David L Donoho, Professor of Statistics at Stanford University and Fellow of IMS, has been named a Phi Beta Kappa Visiting Scholar for 2002-03. He is one of only fourteen distinguished scholars selected by the Phi Beta Kappa Society for this program.



David, who is a member of the National Academy of Sciences, will be visiting: U of Mississippi, Ohio Wesleyan U, U of Illinois at Urbana-Champaign, College of St Catherine, U of Florida, Washington & Jefferson College, Kalamazoo College and Ripon College. Here he will meet informally with students and faculty members, who will be able to discuss with him such topics as, 'Opportunities and challenges of the coming data deluge', 'Recent innovations in machine learning', and 'Emerging relationships between biological vision, information theory and statistical data analysis'.

Mir Masoom Ali, George and Frances Ball Distinguished Professor of Statistics at Ball State University, was recently awarded



the 'Sagamore of the Wabash' Award by the Indiana Governor Frank O'Bannon in recognition of Dr. Ali's tremendous contributions to Ball State University, to the statistics profession, and especially to the higher education in the State of Indiana for the past 32 years. The term 'Sagamore of the Wabash' was used by northeastern United States Native Americans to describe a great person to whom the chief would look for wisdom and advice; it is the highest award given by the Governor of Indiana. Past recipients include presidents, astronauts, ambassadors, artists, musicians, politicians and other citizens who have contributed greatly to the Hoosier heritage.

From the Exec Director's desk



**Elyse Gustafson,
Executive
Director of
IMS, writes:**

IMS had another great year in 2001-2002. Here is a brief recap

of the changes we have experienced over the last year.

Membership

For a third year, IMS membership is on the rise. Although we do not yet have the final numbers for 2002, we expect them to be slightly higher than 2001. Julia Norton will report these final numbers in her Treasurer's Report in the next issue.

Several new programs have allowed us this increase, including free student membership, new graduate rates and life membership. For more information on any of these programs, please check out the IMS web site www.imstat.org or your membership catalog which was mailed in early October.

In addition to our membership recruitment, we have also added benefit programs for our members. In 2002, all IMS individual members were provided gratis electronic access to all IMS journals, both current and past issues. We plan to continue to offer this very valuable benefit to all members at no cost. If you have not yet set up your access, visit <http://www.imstat.org/publications/journals/access.phtml> for more information.

For 2003, IMS members (regular and joint) who renew their dues by December 31, 2002 will be able to save \$15 off their membership. It costs the IMS when we send out several notices and back issues of journals, so we are rewarding those who save the IMS money with this discount. All

you need to do to receive this discount is have your renewal forms to the IMS office by December 31. You can renew online at <http://www.imstat.org/membership/memapp/app.html>

Institutional Subscriptions

After a decade of consistency, in 2001 we experienced a 10% decrease in institutional subscriptions. We do not expect the same decrease in 2002, instead we project that subscriptions will remain constant. Watch for the Treasurer's Report next issue for the final 2002 figures.

My office has begun contacting the dropped subscribers to inquire as to why they dropped in 2001. Unfortunately, we have found it difficult to get answers due to considerable use of agencies (~75%) and change over in staffing. We do hope to collect some data and address any concerns subscribers may have in the future.

Beginning in 2003, the IMS will be releasing institutional electronic access to all our journals. Our hope is that this may bring back some lost subscribers and will broaden our appeal to institutions.

Publications

With this issue, we have finished our first full year of the new-look *IMS Bulletin*.

It has been a fabulous transformation and one that has benefited the IMS in numerous ways. *IMS Bulletin* Editor, Bernard Silverman, and Assistant Editor, Tati Howell, have revolutionized the publication. You can also view it online at <http://imsbulletin.stats.bris.ac.uk/>. Tati Howell is a valuable resource for the IMS. You can expect to see her at our meetings in the future (she was also in Banff), so please stop by the IMS booth and introduce yourself at the next IMS Annual Meeting. If you have any items to contribute to the Bulletin, please send them to bulletin@imstat.org

Executive Committee

President	Raghu Varadhan president@imstat.org
President-Elect	Terry Speed president-elect@imstat.org
Past President	Iain Johnstone past-president@imstat.org
Executive Secretary	Alicia Carriquiry alicia@iastate.edu
Treasurer	Julia Norton jnorton@csu Hayward.edu
Program Secretary	Susan Murphy samurphy@umich.edu

IMS Editors

Annals of Statistics	Jon Wellner jaw@stat.washington.edu & John Marden marden@stat.uiuc.edu
Annals of Probability	Thomas Kurtz annprob@math.wisc.edu
Annals of Applied Probability	Søren Asmussen annap@maths.lth.se
Statistical Science	George Casella statsci@stat.ufl.edu
IMS Lecture Notes - Monograph Series	Joel Greenhouse joel@stat.cmu.edu
Managing Editor - Statistics	Paul Shaman shaman@wharton.upenn.edu
Managing Editor - Probability	Michael Phelan phelan@chapman.edu
Electronic Journal of Probability	Richard Bass bass@math.uconn.edu
Electronic Communications in Probability	Wilfrid Kendall w.s.kendall@warwick.ac.uk
Managing Editor - EJP/ECP	Davar Khoshnevisan davar@math.utah.edu
IMS Bulletin	Bernard Silverman & Tati Howell bulletin@imstat.org
Web Editor	Susan Holmes susan@stat.stanford.edu
Associate Program Secretary	Steven Lalley lalley@stat.purdue.edu

[Executive Director's Report, continued from page 2]

All the IMS journals are nearly back on schedule. The *Annals* are about one month behind and *Statistical Science* is two to three months behind. We expect all the *Annals* to be back on schedule within the next six to 12 months. This is a goal we have been trying to attain for many years. The combined commitment of all our editors and our typesetter made this happen. Patrick Kelly, our production editor and Geri Mattson, our typesetter, have been with the IMS for a long time. They are the essential cogs that make our great publication wheels turn. I want to take this opportunity to thank them for their hard work and dedication.

The IMS recently contracted a webmaster to provide our web services. Previously, a lot of the daily maintenance of the web page was handled by our Web Editors. They did a marvelous job, but it was a large burden for a volunteer. We expect the IMS to continue to expand its web presence and provide more services via the web. The addition of a webmaster was crucial. We will continue to have a member serve as the Web Editor, but their job will be to oversee and direct rather than daily maintenance. We welcome Arti Ishwaran, as our webmaster.

Meetings

In 2002, the IMS held its Annual Meeting and the Fourth International Probability Symposium in Banff. Every four years, our Annual Meeting is not tied to any other meeting (i.e. JSM): this was one of those years. The intimate atmosphere combined with a fabulous program made for a very successful meeting. I had the opportunity to work closely with the program and local chairs. They all worked extremely hard and it showed. Many thanks to: Tom DiCiccio, Tom Kurtz, Subhash Lele and Kevin Buhr for hours of dedication. For a full report on the meeting, see the Sept/Oct *IMS Bulletin*.

Financial

The finances of the IMS continue to be stable. A full audit report will appear in the next *IMS Bulletin*.

Offices

The IMS offices continue to run smoothly. We are in our third year of contracting the dues and subscription services with FASEB. This has proven to be beneficial for the IMS, in faster processing and administrative savings. Eleanor Peebles and Janice Packard are our main staff contacts within FASEB. They both understand our needs and wants very well; it has been a pleasure working with them.

My office, located in Beachwood, Ohio, handles all other IMS-related matters including committees, meetings, advertising, publication production, finances and other non-dues issues. For the most part, I am a one-person show here, but I do bring in assistance during peak times of the year. Please feel free to contact me at any time if you have questions or concerns regarding any IMS matter (erg@imstat.org). I will do my best to assist you.

NEW ACTIVITIES FOR 2002-2003

Each year, we focus on areas of development to improve the IMS as a whole. Along with my regular responsibilities of societal, financial and publications management, I will focus on the following projects.

Membership Retention and Development

Our number one concern at the IMS is retaining members and getting new members. As a member organization, the members are our lifeblood. To address the important issues of development and retention, I plan to focus on the following in the next year:

Development:

- Contact authors who publish in our journals who are not members, and invite them to join the IMS.

- Reach out to students and new graduates through IMS members, by asking members to promote our discounted rates to these groups.
- Promote membership benefits, including gratis electronic access, to prospective members.
- Utilize opportunities at conferences to invite members to join the IMS.
- Make our membership information and applications easily available to interested parties.
- Seek out avenues for IMS membership promotions (i.e. journals, other societies web pages, conferences).

Retention

- Provide an incentive for members to renew on time with an early renewal discount.
- Promote benefits to members.
- Foster a sense of community among our members through increased visibility of the IMS in publications and at conferences.
- Work in partnership with FASEB to get our renewals processed as quickly and efficiently as possible.
- Finish getting the journals back on schedule.
- Collaborate with the IMS President to publish an effective and useful E-Bulletin to IMS members.
- Respond quickly to members' needs.

Institutional (non-member) Subscription Retention and Development

Along with membership, institutional subscription retention and development is essential to the IMS. The funds taken in from these subscriptions help sustain our organization. Approximately two-thirds of our annual income is from institutional subscriptions.

Development

- Promote electronic access to IMS journals.

- Publicize IMS journals directly to librarians (i.e. in other journals, librarian conferences, librarian publications).
- Focus on the affordability of IMS journals (v. most other publications)
- Make information on ordering our journals easily accessible (add a page for institutional subscribers to IMS page)
- Work with publication services (EBSCO, Faxon) to promote our journals through their avenues.
- Consider providing a discount to agencies.

Retention

- Work in partnership with FASEB to get our renewals processed as quickly and efficiently as possible.
- Communicate with publication services as to status of journals production schedule.
- Finalize getting the journals back on schedule.

Advertising

Now that the new-look *Bulletin* has a year under its belt, I plan to more aggressively seek advertising for the publication. This campaign has started and we hope to see results in the next 12 months.

CONCLUSION

It continues to be a pleasure to work with all our members. I've had the opportunity to meet many of you and I hope to meet more of you in the future. Every year, I am more astounded by the dedication of the IMS leadership. From meeting and committee chairs, to the Council, to the IMS Executive Committee, every IMS volunteer works with complete commitment to the goals of the IMS. It is truly inspiring to work with all of you. I look forward to many years together. Thank you.

Nomination: Harry C. Carver Medal

Nominations are invited for the Harry C. Carver Medal created by the IMS in honor of H. C. Carver, Founding Editor of the *Annals of Mathematical Statistics* and one of the founders of the IMS. The medal is for exceptional service specifically to the IMS and is open to any member of the IMS who has not previously been elected President. Not more than one award shall be made each year.

The medal will be awarded at a ceremony during the IMS Annual Meeting in San Francisco, August 3-7, 2003. The nominating committee consists of three former Presidents of the IMS.

Please send a letter (not more than 2 pages) detailing the reasons for the nomination along with a copy of the nominee's CV by **January 31, 2003** to:

IMS Carver Medal Nomination, PO Box 22718, Beachwood OH 44122, USA. Fax: (216) 921-6703; email: ims@imstat.org

Nomination: IMS Laha Travel Awards

With funds from a generous bequest by the late Professor Radha Govind Laha, IMS has established the Laha Awards for travel to the IMS Annual Meeting. Here are details of the second award round.

Purpose:

To fund travel to present a paper at the IMS Annual Meeting (part of the Joint Statistical Meetings) in San Francisco, CA, August 3-7, 2003.

Eligibility:

First priority to students, second priority to New Researchers within 2 years of PhD at the date of the meeting. Must be members of IMS (but see below).

Amount:

Up to US\$500 per award, to be reimbursed against receipts. May be combined with other sources of funding.

Application:

Please send the following information by **February 7, 2003** to the address below:

- cover letter with contact information (including e-mail address)
- title, abstract, a brief 1-2 page summary of the paper to be presented, and one copy of the full paper or a link to a web site where the paper appears.
- For students: please include a letter

signed by the advisor attesting to the fact that the student is a degree candidate at some point in 2003. For new researchers, please include the month and year of your graduation in the cover letter.

Send to:

Laha Award Application, Institute of Mathematical Statistics, PO Box 22718, Beachwood OH 44122, USA

Additional Information:

Applications will be reviewed by the IMS Executive Committee, and applicants will be notified in early March. It is expected that at least 8 awards will be made. The work must be that of the student (or new researcher), although it may have been done in collaboration with an advisor or others.

Applicants must be members of IMS, though *joining at the time of application is allowed*. Student membership is free (well, almost: see www.imstat.org/membership/studfly.pdf for details). New Researchers qualify for substantially reduced rates: see www.faseb.org/html/imsaim.html. Applications accepted online at www.imstat.org/membership/memapp/app.html

Richard L Tweedie Memorial Fund launched

In order to commemorate the scholarly and professional contributions of IMS Fellow Richard Lewis Tweedie, who died in June 2001 aged 53, the IMS has established the above fund for the broad objective of supporting international collaboration and conference attendance by young scholars in the fields of applied probability and statistical science.

Richard Tweedie played a significant role throughout his professional career in mentoring young colleagues at work and through professional society activities (see box below). The Memorial Fund aims to commemorate this role. Specific details will be announced in due course.

The Fund aims to raise at least \$20,000 in order to establish an endowment that will support the above objectives.

Payment may be made by check (payable to 'IMS Tweedie Memorial Fund' in

US funds on a US bank) or by Mastercard or Visa. Please email, mail or fax your card number and expiration date to IMS Executive Director Elyse Gustafson at
Richard L Tweedie Memorial Fund
PO Box 22718

Beachwood OH 44122 USA

Phone: 216-295-2340

Fax: 216-921-6703

E-mail: erg@imstat.org

Under Internal Revenue Code Section 170, a contribution to the Richard L. Tweedie Memorial Fund is considered a charitable contribution and is tax deductible under US tax laws. IMS will invest the fund as they do all of their long term accounts.

Further details about the Richard L. Tweedie Memorial Fund can be found at www.maths.unsw.edu.au/statistics/rltweedie or from William T.M. Dunsmuir, Dept of Statistics, School of Mathematics,

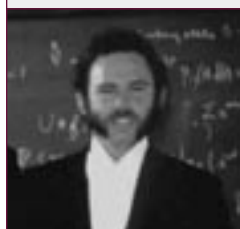


University of New South Wales, Sydney, NSW 2052, AUSTRALIA (Phone: +61 +2 9385 7035, fax: +61 +2 9385 7123, email: w.dunsmuir@unsw.edu.au)

There have been several obituaries written about Richard's life and work. The following is condensed from his friend and colleague William T M Dunsmuir's obituary:

Richard Tweedie's contribution to the fields of applied probability modeling and statistical science was outstanding. Richard was an international scholar, working successfully in the private sector, as well as an outstanding university administrator. Although for much of his career Richard managed a heavy administrative load, he maintained an extraordinary research output throughout. He contributed fundamental results in the theory of Markov Chains on general state spaces. A major focus of this research was development of stability theory for

such processes that could be readily applied in



Richard defending his PhD thesis, Helsinki, 1980

modeling a range of complex phenomena arising in diverse fields such as queuing theory, systems theory, statistical modeling including time series and decision theory. A particular achievement, of which Richard was justifiably proud, was publication of his book with Sean Meyn entitled *Markov Chains and Stochastic Stability* (Springer-Verlag, 1993), which was given the 1994 Operations Research Society of America's award for the best research publication in Applied Probability.

From about 1994 onwards Richard's developing interests in statistical methods in the epidemiology of the health effects of exposure to environmental and occupational pollutants led to research in Bayesian modeling for meta-analysis and publication bias. This also stimulated his interest in the question of convergence rates for MCMC sampling schemes, a major focus of his most recent research and publications.

Richard is known by many as a brilliant

theoretician. However throughout his career he also worked with numerous collaborators on a range of interesting and challenging practical problems. He was a wonderful consultant and communicator with a knack of explaining complicated statistical ideas to practical people. His consulting and collaborative work led to a substantial number of publications in a diverse range of topics and journals.

He was devoted to the statistical profession and, no matter how busy he was, he found time to involve himself seriously in the organization, promotion and scholarship of professional societies. He served as Editor of the *Annals of Applied Probability* and of *Statistical Science* and was an Associate Editor for a number of other leading journals.

A great conversationalist and an outstanding humor and quick wit made being in Richard's company both memorable and stimulating. He is missed by friends all over the world.

Institute of Mathematical Statistics

Nomination Form for Fellow

Please send completed form and documentation to:

Committee on Fellows

c/o Elyse Gustafson, IMS Executive Director

PO Box 22718

Beachwood OH 44122-0718

To obtain more forms or for questions please call (216) 295-2340, email ims@imstat.org or visit the IMS web site www.imstat.org.

Please contact the IMS if a street address is needed for overnight mail.

Qualifications for Fellowship:

The candidate shall have demonstrated distinction in research in statistics or probability, by publication of independent work of merit. This qualification may be partly or wholly waived in the case of (1) a candidate of well-established leadership whose contributions to the field of statistics or probability other than original research shall be judged of equal value; or (2) a candidate of well-established leadership in the application of statistics or probability, whose work has contributed greatly to the utility of and the appreciation of these areas. Candidates for fellowship should be members of IMS on December 1 of the year preceding their nomination, and should have been members of the IMS for at least two years.

Nomination Materials:

Please send ten (10) collated copies of the following:

1. Nomination form
2. Letter from nominator
3. Recent CV (preferably not older than 2 years)
4. 3-5 supporting letters (in addition to the nominator's letter). Letters are expected to explicitly address the above IMS criteria for fellowship

All nominations must be received by **January 31 2003**.

Please type or print

1. Name of Nominee

Family

Given

Middle

Date of birth

2. Degrees (titles, dates, schools, and fields)

3. Present position(s), followed by significant former positions, with dates

4. Please draft here a citation that might accompany the election to Fellowship

**5. Transmit with this nomination form a list of not more than five publications or other reasons for the nomination
(attach additional sheets, if necessary)**

6. Comments

7. Nominator's name

Family name

Given

Middle

Mailing address

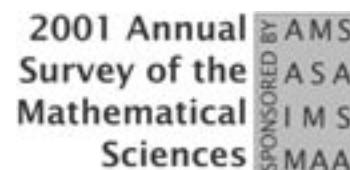
2001 Survey of Mathematical Sciences Reports published

An annual survey of departments of mathematical sciences in the U.S. was started by the American Mathematical Society (AMS) in 1957 and has been done every year since then. Over time the Mathematical Association of America (MAA), the Institute of Mathematical Statistics (IMS), and the American Statistical Association (ASA) have become sponsors of the Survey. The survey is currently conducted at the AMS with guidance from the AMS-ASA-IMS-MAA Data Committee.

Results from the survey for each academic year are published in a series of 3 reports in the February, August, and September issues of *The Notices of the AMS*. These reports are also available on the AMS website soon after they are published: <http://www.ams.org/employment/surveyreports.html>. Several earlier reports are also always available at this website.

Among the departments surveyed are 55 departments of statistics and 31 departments of biostatistics or biometrics, which grant doctoral degrees. These 86 departments are known as the statistics group, and most results in the reports of the annual survey are given separately for this group. The 2001 second and third reports have recently been published and brief summaries are given below.

2001 Annual Survey of the Mathematical Sciences (Second Report) Loftsgaarden, Don O., Maxwell, James W., and Priestley, Kinda Remick, *Notices of the American Mathematical Society*, 49(7): 783-795. This report updates information about new doctoral recipients in the First Report using data gathered from the new doctoral recipients themselves. It also contains results of a starting salary survey using salaries supplied by the new doctoral recipients.



2001 Annual Survey of the Mathematical Sciences (Third Report) Loftsgaarden, Don O., Maxwell, James W., and Priestley, Kinda Remick, *Notices of the American Mathematical Society*, 49(8): 928-938. This report gives a departmental profile for the departments in the Annual Survey. One section gives information about the faculty in these departments, including attrition, recruitment, and number of faculty broken down in many ways. Other sections give undergraduate and graduate enrollments in mathematics and statistics classes as well as the number of undergraduate majors. The last section gives a detailed look at the number and type of graduate students.

Analysis of the Euro Coin Mixing Process

On 1 January 2002, the Euro (€) banknotes and coins were introduced in 12 Member States of the European Union, with seven different banknotes and eight coins. The new coins—50 billion of them—have one side common to all 12 countries and a reverse side specific to each country. Dietrich Stoyan, Freiberg U, Germany, has been investigating the process of mixing these Euro coins across Europe. He writes about how you can help with this research:

Since January 1, 2002, the Institute of Stochastics of TU Bergakademie Freiberg, Germany, has studied the mixing process of Euro coins in Germany. At the start of this year, Euro coins began to cross borders and move within Europe. This process will probably end in a homogeneous mixture of the coins of all countries everywhere

in Euro-Europe: a random walk of every coin. At the moment about 5% of the coins in Germany are of foreign origin; by the end of 2002 we expect 10%. Colleagues in Amsterdam are similarly studying coin mixing in the Netherlands and Belgium.

I am asking statisticians from all 12 Euro countries for help: from now to the end of December 2002, as a snapshot, please report to us the numbers of foreign coins in samples of 1€ coins from your country. Perhaps you could look in the till at your favourite café, or ask in the bank for a roll of 1€ coins.

You can report the results of your investigations via the English version of the website at www.euro.tu-freiberg.de/en.

In this way we can study the mixing process in whole of Euro Europe. We would fit parameters of an analytical model to data

and could then make predictions for the development of the coin mixing process in other countries.

Statistical data concerning the travel behaviour of the people of your country would also be helpful. Perhaps you can ask the government statistical office or travel board union for the numbers of trips people from your country make to other Euro countries per year. (For Germany we could obtain estimates for such numbers.)

Finally, border-crossing commuters play a role. We would be grateful if you could ask the statistical office of your government for the numbers.

Please send these statistical data directly to me, Dietrich Stoyan, at stoyan@orion.hrz.tu-freiberg.de

We thank you very much, in advance!

Profile: Jun Liu, COPSS Presidents' Awardee

Professor Jun Liu of Harvard University was presented at JSM with the 2002 Presidents' Award of the Committee of Presidents of Statistical Societies (the COPSS Award), for his "fundamental contributions to Monte Carlo methods and bioinformatics, two of the most active and exciting frontiers of current statistical research".

In his acceptance speech, Jun described himself as "a very lucky guy". He is enthusiastic about his work and life. "Statistics has allowed me the opportunities to be both indulged in mathematics and fascinated by science. The longer I stay in this field, the more I love its people and the more I admire its upbeat yet benign spirit."

Jun remembers being interested in mathematics as a child – a hard interest to pursue in 1970s China. Computers were not available to him. He didn't own a calculator. Mathematics books were difficult to find. Jun's parents, both teachers, scrounged books wherever they could. They borrowed them from older professors who had hidden them away. "They spent days and nights transcribing a thick mathematics book for me when I was eleven," he recalls.

"I couldn't tell high school from college texts, so I read everything," he adds. "Doing math was like a game you could play with only a piece of paper and pencil. On Sundays, I rode my bike for an hour to meet friends and do problems."

Still showing a youthful enthusiasm for math problems, Jun wants to find answers to fundamental questions about genes and how they control life. "Every cell in your body contains a complete set of genes; each cell could become a part of your eye, your hand, or your brain. The question that challenges many scientists is how cells decide to be part of one organ or the other."

Liu attended Beijing University, where he admits he spent most of his time playing



Jun Liu thinks he can solve some of the mysteries about genes quicker with statistics than biologists can with laboratory experiments. Using a method illustrated on the blackboard, he has successfully predicted the locations of on/off switches for genes in a bacterium

bridge, and "fooling around." Nevertheless, after graduation in 1985, he was among a group of top math students sent to the US on a SIAM scholarship program.

Arriving in America, Jun experienced culture shock. "It was like a movie," he recalls. "It didn't feel real." Language turned out to be the highest barrier. "Fortunately, I could get by with understanding formulas and equations," he says. "I got straight As without knowing much of what the teachers were saying. After a year, my English was worse than when I first came."

In 1989, at U of Chicago, he became interested in human rights issues and spent a lot of time participating in student protests. That activism brought his PhD adviser, Wing Wong, to ask him if he wanted to be "a politician or a scientist."

That was a turning point for Jun. He decided he had to apply himself to a career in statistics. "I didn't want to solve problems just because they hadn't been solved by others," he says. "I wanted to connect to reality. Although I didn't know exactly what statistics was, the field appealed to me for that reason."

Jun now pursues the mystery of how genes are turned on and off. Using various

statistical and computer techniques, he studies repetitive patterns in the DNA that lies between genes. This material contains instructions for regulating the expression of genes, and it is involved in whether the proteins produced by genes will become part of a brain or a big toe.

These on/off switches can be found by doing difficult, time-consuming experiments that require copying and mutating genes. If a region close to a gene is mutated and the gene stops producing a certain protein, that region must be part of a genetic switch. Jun locates such switches by statistical analysis of the genetic sequence patterns that occur between the actual genes. And he is pleased with his results so far. However, humans have at least 10 times more genes than bacteria, so he knows that things will get a lot more complicated.

But Jun is happy: his love for his wife Wei and "recent joy" son James, his passion for statistics, his gratitude to those who have shaped his career and life, all are evident. Prof Stephen Fienberg, who presented the President's Award on behalf of the selection committee notes, "There was an especially strong group of nominees this year, but Jun's work stood out [...] for pushing statistical science to new horizons." Congratulations.

Based partly on "Mathematics is a Game of Life" by William J. Cromie, which appeared in the Harvard Gazette in February 2001. We are grateful for permission to quote from the article, which can be read in full at www.news.harvard.edu/gazette/2001/02.01/03-mathematics.html

NSF-CBMS Regional Conferences in 2004: Call for Proposals

To stimulate interest and activity in mathematical research, the National Science Foundation (NSF) intends to support up to seven NSF-CBMS Regional Research Conferences in 2004. A panel chosen by the Conference Board of the Mathematical Sciences (CBMS) will make the selections from among the submitted proposals. In the thirty-four year history of this NSF-CBMS Regional Research Conference Series, a total of 290 such conferences have been held.

Each five day conference features a distinguished lecturer who delivers ten lectures on a topic of important current research in one sharply focused area of the mathematical sciences. The lecturer subsequently prepares an expository monograph based upon these lectures, which is normally published as a part of a regional conference series. Depending upon the conference topic, the monograph is published by the American Mathematical Society, the Society for Industrial and Applied Mathematics, or jointly by the American Statistical Association and the Institute of Mathematical Statistics.

Support is provided for about 30 participants at each conference and the conference organizer invites both established researchers and interested newcomers, including postdoctoral fellows and graduate students, to attend.

Full instructions for submission of proposals, and more information about the conferences, is available at http://www.cbmsweb.org/NSF/2004_call.htm. The deadline for proposals is **April 8, 2003**.

The CBMS website also has information about the five conferences to be held in 2003: *Expansion Methods in Combinatorics* (May 13-17 at the University of Memphis), *Free Boundary Problems in Partial Differential Equations and Applications* (May 18-22 at Wayne State University), *Stochastic Partial Differential Equations and their Applications* (May 19-23 at the Illinois Institute of Technology), *The Web of Modularity* (June 3-7 at the University of Illinois at Urbana-Champaign), and *Fully Nonlinear Equations in Geometry* (June 23-27 at the University of Notre Dame).



2003 COPSS Awards

The Committee of Presidents of Statistical Societies (COPSS) Awards are jointly sponsored by IMS, the American Statistical Association, the Biometric Society (ENAR/WNAR), and the Statistical Society of Canada. Nominations for the **George W. Snedecor Award**, **F. N. David Award** and the **President's Award**, which will be awarded at JSM2003, should be sent by **January 15, 2003**.

A fuller announcement about these awards appeared in the last issue.

More information about all of the awards, and contact addresses, can be found at the COPSS website: <http://www.niss.org/copss>

Nominations for SSC Robillard Award

Hugh Chipman, Chair of the Pierre Robillard Award Committee for 2002-2003, writes:

The aim of the Pierre Robillard Award is to recognize the best Ph.D. thesis defended at a Canadian university in 2002 and written in the fields covered by the Canadian Journal of Statistics. The award consists of a certificate, a monetary prize, and a one-year membership in the Statistical Society of Canada. The winner will be invited to give a talk based on the thesis at the 2003 Annual Meeting of the Society. The winner will also be invited to submit a paper to the Canadian Journal of Statistics. The names of the university and the thesis supervisor will be clearly indicated. The thesis supervisor could be co-author of the paper.

The Pierre Robillard Award Committee Chair must receive the thesis and a nominating letter from the thesis supervisor by February 15, 2003. It is imperative that the supervisor address the following three criteria in his/her letter: the originality of the ideas and techniques, the possible applications and their treatment, and the potential impact on the statistical sciences. Official confirmation that the thesis has been defended in 2002 must also be provided.

Electronic submission by email to the Chair (Hugh Chipman, hachipman@uwaterloo.ca) is strongly encouraged. For full details of the award and submission instructions, please visit the SSC web site, www.ssc.ca.

The members of the Pierre Robillard Award Committee for 2002-2003 are: David Bellhouse (U of Western Ontario), Hugh Chipman, Chair (U of Waterloo), Gerarda Darlington (U of Guelph), and Jonathan Taylor (Stanford U).

SAMSI Opens Doors

Alan Karr writes: After years of planning and several months of intense preparation, the Statistical and Applied Mathematical Sciences Institute is in full operation. SAMSI is a joint venture of the National Science Foundation and the consortium of Duke University, North Carolina State University (NCU), the University of North Carolina at Chapel Hill (UNC) and the National Institute of Statistical Sciences (NISS).

SAMSI's Grand Opening Ceremony took place on September 3, 2002, in conjunction with the presentation of a "Champion of Science" award to North Carolina Congressional Representative David Price, whose district includes much of the Research Triangle. Speakers included Jon Kettenring, Chair of the Board of Trustees of NISS, who celebrated the occasion as "a great day for statistics and applied mathematics." More than 200 attendees then witnessed the official SAMSI ribbon cutting.

From September 21 through October 1, Kickoff Workshops for the SAMSI programs in **Inverse Problem Methodology In Complex Stochastic Models** (led by Marie Davidian and



SAMSI Ribbon Cutting. Left to right: UNC Chancellor James Moeser, Congressman David Price, SAMSI Director James Berger, NCSU Provost Stuart Cooper, NISS Board Chair Jon Kettenring, and Duke President Nannerl Keohane.

H. T. Banks of NCU) and **Stochastic Computation** (led by Merlise Clyde and Mike West of Duke U) attracted more than 250 statistical scientists, applied mathematicians and disciplinary scientists. Each Workshop featured introductory

tutorials, presentations by leading researchers and stimulating discussions among the participants.

With this momentum, SAMSI is moving to attain its vision of forging "a new synthesis of the statistical sciences and the applied mathematical sciences with disciplinary science to confront the very hardest scientific challenges." Visit the SAMSI website - www.samsi.info - for additional information and reports and photographs of SAMSI events.



SAMSI's Associate Directors. Left to right: Alan F. Karr (NISS), J. S. Marron (UNC), H. T. Banks (NCU).

Past IMS Bulletin Editors

Leo Katz (1972-74)

Dorian Feldman (1975-80)

William C Guenther (1981-86)

George P H Styan (1987-92)

Susan R Wilson (1992-97)

Dipak K Dey (1998-2001)

NISS

National Institute of Statistical Sciences
PO Box 14006, Research Triangle Park, NC 27709-4006
Tel: 919.685.9300 FAX: 919.685.9310
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Postdoctoral Fellowships

NISS is accepting applications from statistical and other scientists for postdoctoral positions as Junior Fellows. At least three appointments are anticipated. Starting dates are flexible, and range from immediately through September, 2003. Appointments will be for two years, with extensions possible. The salary is currently \$57,500 per year.

In accordance with the NISS mission, Junior Fellows participate in cross-disciplinary research projects in collaboration with statisticians and other scientists from universities, industry, national laboratories and government agencies. They are mentored by senior statisticians and scientists, and interact strongly with one another.

Opportunities for activity match current NISS projects in the areas of *Digital Government*, especially at the intersections among data confidentiality, data integration and data quality; statistical issues in the *validation and evaluation of complex computer models*, including both stochastic simulations and partial differential equations; *information technology*, including software engineering and modeling of Web data, *bioinformatics*, including the integration of genomics, proteomics and metabolomics, and *data quality*.

Other opportunities arise from the NISS Affiliates Program. NISS and its Federal agency affiliates (the Bureau of Transportation Statistics, Bureau of Labor Statistics, Census Bureau, Environmental Protection Agency, National Agricultural Statistics Service, National Center for Education Statistics, National Center for Health Statistics, National Institute of Standards and Technology and National Security Agency) have initiated a joint postdoctoral program under which NISS appoints postdoctoral fellows for 2–3 year terms in challenging, exciting assignments, principally in Washington, DC.

Shared appointments are also possible with the newly formed Statistical and Applied Mathematical Sciences Institute (SAMSI); see www.samsi.info for information about current and planned SAMSI programs.

Criteria for selection include demonstrated research ability in statistics or a relevant scientific discipline, interest and (to a lesser degree) experience in project areas, strength in computation and in verbal and written communication, and genuine commitment to cross-disciplinary research.

Applicants must have received (or expect to complete) a doctorate in 1997 or later. Women and members of minority groups are particularly encouraged to apply.

Applications should consist of a letter of interest containing addresses, telephone numbers and citizenship status; three letters of reference; a one-page biographical sketch; a publication record or thesis topic; and a one-page statement of interest responding to the criteria and projects listed above. The items should be submitted electronically, as PDF files if possible, and sent to postdoc-application@niss.org.

The deadline for full consideration is February 15, 2003. Later applications will be considered as resources permit. Appointments may be made at any time.

NISS is an AA/EEO employer

Jane Gentleman receives Norwood Award

Dr Jane Gentleman, director of the Division of Health Interview Statistics of the National Center for Health Statistics in Hyattsville, Maryland, has been named the first recipient of the Janet L. Norwood Award for outstanding achievement by a woman in statistical sciences.

"Women are under-represented in all fields of science, but especially in mathematical fields", says David Allison, Ph.D., professor of biostatistics and head of the section on statistical genetics at University of Alabama at Birmingham (UAB). "Recognizing role models like Dr. Gentleman, an enormously successful statistician who has contributed so much to the field, hopefully will attract more women to careers in statistical sciences."

The Janet L. Norwood Award, named in honor of the former commissioner of the U.S. Bureau of Labor Statistics, is a testament to Gentleman's many credits as a statistician.

Among her contributions to the field, Gentleman is well known for her development of new statistical computing applications. In the mid-1970s, she led a research effort pioneering the development of statistical computing and graphics software used to teach statistics.

Gentleman has authored numerous papers on statistical computing and a variety of other topics related to statistics, including public health, gerontology, molecular biology and criminology. She also has contributed to many statistical texts and served on the editorial boards of many scientific journals.

Among her numerous professional affiliations, Gentleman is a Fellow of the American Statistical Association and an elected member of the International Statistical Institute. She has received numerous awards for her work and has been nominated for the 2002 Charles C. Shepard Award for most outstanding peer-reviewed scientific paper.

Gentleman received her bachelor's degree in mathematics and her master's degree in statistics from the University of Chicago and received her doctoral degree in statistics from the University of Waterloo in Ontario, Canada. She has served as a statistical programmer, professor, researcher and administrator over the course her career. She joined the National Center for Health Statistics in 1999, after a period as assistant director for analytic methods with Statistics Canada in Ottawa.



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in this issue

MARVIN ZELÉN LEADERSHIP AWARD: Winner Announced and Nominations Sought

The Department of Biostatistics at the Harvard School of Public Health named Robert O'Neill, U.S. Food and Drug Administration, the recipient of the 2002 Marvin Zelen Leadership Award in Statistical Science. Dr. O'Neill delivered a lecture entitled "A Perspective on the Development and Future of Statistics at the FDA" on May 31 at Harvard University. Previous awardees have been Frederick Mosteller, Sir David R. Cox, John W. Tukey, Lincoln Moses, and Neils Keiding.

This annual award, supported by colleagues, friends and family, was established to honor IMS Fellow Dr. Marvin Zelen's long and distinguished

career as a statistician and his major role in shaping the field of biostatistics.

The award recognizes an individual in government, industry, or academia, who by virtue of his/her outstanding leadership, has greatly impacted the theory and practice of statistical science. While individual accomplishments are considered, the most distinguishing criterion is the awardee's contribution to the creation of an environment in which statistical science and its applications have flourished. The award recipient will deliver a public lecture on statistical science at the Harvard School of Public Health and will be presented with a citation and an honorarium.

Nominations for next year's award, to be given in May, 2003, should be sent to the Marvin Zelen Leadership Award Committee, Department of Biostatistics, Harvard School of Public Health, 655 Huntington Avenue, Boston, MA 02115. Nominations should include a letter describing the contributions of the candidate, specifically highlighting the criteria for the award, and a curriculum vita. Supporting letters and materials would be extremely helpful to the committee.

All nominations must be received by **January 15, 2003.**

Nominations Sought for Harvard's Myrto Lefkopoulou Distinguished Lecture

The annual Myrto Lefkopoulou Distinguished Lecture was initiated in 1993 in memory of Myrto Lefkopoulou, a former beloved faculty member and student in the Department of Biostatistics, who died of cancer in 1992 at the age of 34 after a courageous two-year battle.

Each year the Myrto Lefkopoulou Lectureship is awarded to a promising biostatistical scientist who has made contributions to either collaborative or methodologic research in the applications of statistical methods to biology or medicine and/or excellence in the teaching of biostatistics. Ordinarily, the lectureship is

given to an individual within 15 years of receiving an earned doctorate. The lecture is targeted at a general scientific audience and is the first Department colloquium of each academic year. The lectureship includes travel to Boston, a reception following the lecture, and an honorarium of \$1000.

Previous lecturers have been Danyu Lin, Bradley Carlin, Steven Goodman, Giovanni Parmigiani, Kathryn Roeder, Ronald Brookmeyer, Trevor Hastie, Hans-Georg Mueller, Michael Boehnke, and Louise Ryan.

Nominations for next year's lectureship are currently being solicited and should

be sent to the Myrto Lefkopoulou Lecture Committee, Department of Biostatistics, Harvard School of Public Health, 655 Huntington Avenue, Boston, MA 02115. Nominations should include a letter of nomination and a C.V. The deadline for submission of nominations is **March 15, 2003**.

Summer Internships in Probability and Stochastic Processes

Department of Mathematics, University of Wisconsin - Madison

Funding has been received from the National Science Foundation to continue the Summer Internship Program in Probability and Stochastic Processes at the Department of Mathematics, University of Wisconsin - Madison. The objective of the program is to stimulate and enhance the scientific development of capable young researchers. Opportunities will be provided for day-to-day interaction with senior researchers from the University, access to the major research library and other research facilities of the University, opportunities to establish continuing contacts and collaboration with other participants in the program, and advice and support in developing long-term research plans. The program this summer will focus on topics in **stochastic geometry and spatial statistics (random patterns, Gaussian fields, simulation based inference of spatial processes)** and will be directed by James Kuelbs and Thomas Kurtz, UW-Madison.

The program will begin June 23, 2003 and run through August 8. The Intern Program will begin with several lecture series.

Visiting lecturers now scheduled include Robert Adler, Technion, Wilfrid Kendall, University of Warwick, and Jesper Moeller, Aalborg University.

Additional information regarding the program is at <http://psoup.math.wisc.edu/> intern including: who may apply and how, participant selection and support, housing, and more.

For information about the program contact James Kuelbs: kuelbs@math.wisc.edu.

For application forms and administrative information, email (pip@math.wisc.edu), fax (608) 263-8891, or write: Probability Intern Program, C/O Peggy Conklin, Department of Mathematics, University of Wisconsin-Madison, 480 Lincoln Drive, Madison, WI 53706-1388

APPLICATION DEADLINE

All materials must be received by **March 1, 2003** in order to ensure full consideration.

Journal of the Iranian Statistical Society: CALL FOR PAPERS

The Journal of the Iranian Statistical Society (JIRSS) is a new English-language periodical for peer-reviewed original research work in Probability, Mathematical Statistics, and Statistical Methods, first issue October, 2002. The goal of this journal is to provide a first-rate international forum for significant theoretical developments and innovative applications of contemporary probability and statistics. For full information, please visit the JIRSS website at <http://www.iss.ir/jirss>

The international editorial board of JIRSS invites the submission of manuscripts in many areas of statistics and applied probability. Guidelines for submission of manuscripts are available at the JIRSS website.

Authors can submit their manuscripts to the Editor, Prof Ahmad Parsian, or one of the Associate Editors listed on the JIRSS website. The first issue includes the following invited papers:

Zellner, A.: Welcoming Message to JIRSS; Min, Y., Agresti, A.: Modeling Nonnegative Data with clumping at Zero- a survey; Chernoff, H.: Another View of the Classical Problems of comparing Two Probabilities; Toutenberg, H., Heumann, C., Nittner, T., Scheid, S.: Parametric and Nonparametric Regression with Missing X's-a Review; Dudewicz, E.J., Karian, Z.A.: Fitting Distribution to Data: Comparison of Methods; Sen, P.K.: Bioinformatics to Biostatistics: Statistical Perspectives and Anomalies; Walker, S.G.: Bayesian Nonparametric Theory; Bosq, D.: Efficiency Criteria in Functional Estimation; Knight, K.: Asymptotics for L_1 and Related Estimators in Low Density Settings.

Current and Emerging Opportunities in Probability

Conference organizers Philip Protter (Cornell U) and Ed Waymire (Oregon State U) report:

A workshop on Current and Emerging Opportunities in Probability was held at the National Science Foundation in May, with a follow-up panel discussion at the IMS Banff meeting, chaired by Tom Kurtz. The workshop objective was to identify future directions and opportunities for probability research. The 18 participants were probabilists from universities across the U.S. and Canada.

The participants separated into two groups: disciplinary and interdisciplinary research. Tellingly, the panel's reaction to the first subtopic of disciplinary research was a question that would be repeated many times at the workshop: "Can, or should, important probability research be separated from at least one application?" Indeed, the two groups were seen to have non-void intersection from the outset. Spirited discussions pertaining to curricular reform, new textbook needs, interdisciplinary training (and protection) of graduate students, start-up overhead, and related topics dominated the early discussion before the division into two groups, which in fact were self-forming. "Protection" is an interesting choice of word. It took on a pointed meaning in the discussions of preparation of future teaching/research faculty for entry into academic departments requiring a disciplinary expertise and desiring interdisciplinary research activity.

High-profile examples related to the massive amounts of microarray data in biology, or to the mathematical evolution of a hundred trillion dollar (unregulated) derivative security market, make obvious illustrations of compelling mathematical research needs involving probability. Less dramatic but equally important examples point to research frontiers in optimization

algorithms, statistical physics, dynamical and physical systems, complex networks, and perception in artificial and natural systems.

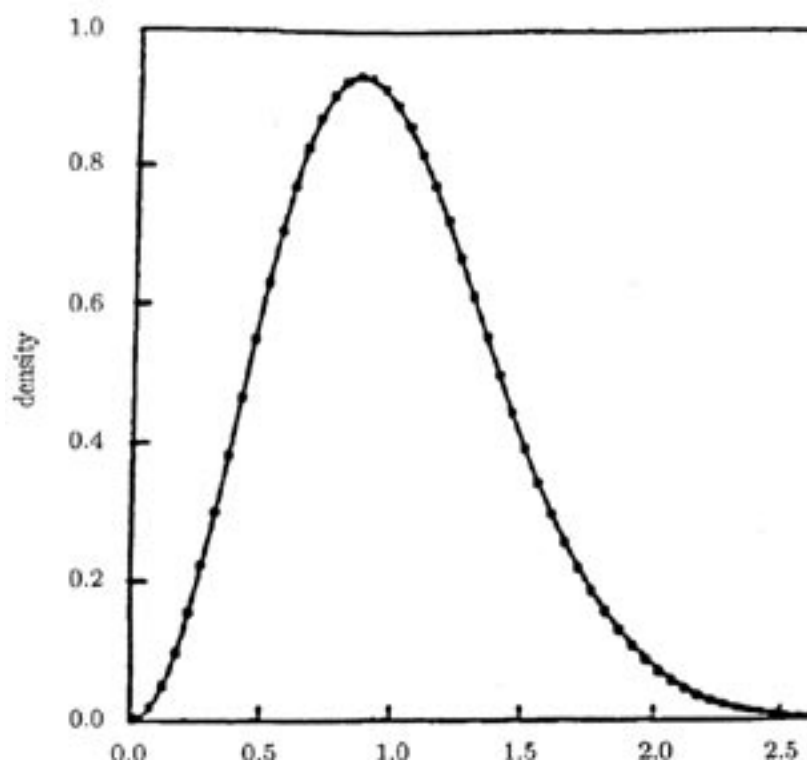
Random Matrices

An important example with far-reaching implications for the physical sciences and the very foundations of mathematics concerns the theory of random matrices, initiated by the physicist Eugene Wigner to study the internal structure of complex atoms. A particularly important topic is the Gaussian Unitary Ensemble of degree N , which consists of the set of all $N \times N$ matrices equipped with the unique probability measure that is invariant under conjugation by unitary matrices and that makes the matrix entries independent random variables. The eigenvalues of a random Hermitian matrix do not behave like independent random variables, and the probability of finding more than one eigenvalue in a short interval is therefore much lower, i.e., the eigenvalues 'repel' [see figure below]. Evidence has been

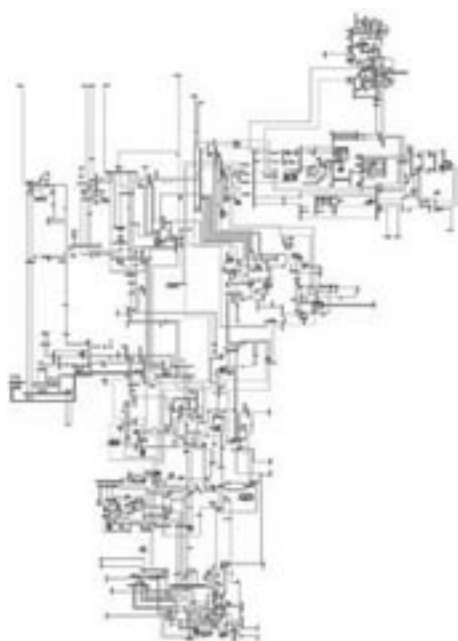
accumulating since 1970 that the relative spacing of zeros of the zeta function is asymptotically governed by the (explicitly known) spacing of eigenvalues under GUE. Remarkable advances have been made on related problems, but this problem on the interface of probability and number theory remains open.

Complex Networks

You can open The New York Times almost any day and read about some complex network, whether as the focal point of a new crisis or the subject of a success story. Familiar examples include an expanding wireless network of cell phones, which are likely to grow to include both wireless video and wireless computer connectivity. The Internet and local area networks will continue to expand with their growing importance in business and personal communication. The stability of flow packet designs and protocols will continue to be a highly nontrivial mathematical research problem for decades to come. Power networks have been in the



Complex network diagram



news in recent months, with the frequent blackouts in California and the current scandals involving power allocation and pricing since deregulation. The economic valuation and risk management issues for our natural resources generally involve entirely new market mechanics, which present highly nontrivial challenges to current mathematical theory and computation.

The report provides in-depth descriptions of these and other areas of current research. It points to the many roles probability plays within the mathematical sciences, making clear that these are exciting times for probability research, both theoretical and applied.

Report Summary

The report's executive summary includes the following recommendations:

1. Universities must find mechanisms to bring coherence to the currently diffuse place of probability on their campuses.
2. Mathematics departments should incorporate probability into the core curriculum at all levels.
3. Faculty responsible for instruction in probability need to ensure that new curricula reflect recent research

developments and the needs of emerging application areas.

4. Graduate programs must train more researchers in probability, both as a core mathematical discipline and in an interdisciplinary context.

5. Funding agencies and university administrations need to provide the resources necessary to respond to the increased demand for probabilistic methodology.

At the panel discussion in Banff, a significant point of discussion was the notable absence of Statistics in the report. Many current research challenges across the sciences involve a combination of modeling randomness, Monte Carlo simulation and statistical data analysis, all of which depend on probabilistic tools. In particular Statistics and Probability are and have always been inextricably linked. A separate report devoted to the vast array of statistical research issues is being prepared in connection with a similar workshop which was held at NSF a few weeks earlier. For this reason the panel primarily focussed on other roles of probability within the mathematical sciences. The full Probability report can be viewed at www.math.cornell.edu/~durrett/probrep/probrep.html or <http://oregonstate.edu/dept/math/research/probrep.html>.

Probability has clearly arrived, both as a disciplinary core subject and as a central player in a diverse array of modern applications throughout the sciences and engineering. The SIAM anniversary meeting in Philadelphia provided further excellent illustrations of the special significance of probabilistic methods in the mathematical sciences today. In addition to a number of special sessions and mini-symposia involving probability and stochastic processes, Donald Geman's invited mini-tutorial on computer vision, George Papanicolaou's plenary address on array imaging, time reversal, and communication,

Eric Lander's John von Neumann Lecture on the human genome and subsequent research, and the keynote address by NSF director Rita Colwell were all notable for their many references to the key elements of randomness, uncertainty, and chance.

We hope that this workshop report will help to convey some of the pressing needs and wonderful opportunities for research in probability to students, colleagues, and university and government administrators responsible for setting the nation's academic research agenda.

Philip Protter is Professor in the Department of Operations Research and Industrial Engineering at Cornell University, and Ed Waymire is Professor in the Department of Mathematics at Oregon State University.

New Biostatistics Graduate Program at UC, Davis

A new graduate program in Biostatistics has been established at the University of California, Davis. The program offers doctoral and master's degrees in Biostatistics, and an inaugural class of seven graduate students has enrolled for 2002/2003.

The new Biostatistics program is administered by the Graduate Group in Biostatistics, composed of faculty from various disciplines across the UC Davis campus, and is housed in the Department of Statistics. For further information about the program and application deadlines, consult <http://biostat.ucdavis.edu>.

Contact: Graduate Administrator, Department of Statistics, UC Davis, One Shields Ave., Davis, CA 95616, biostatprogram@wald.ucdavis.edu

IMS Meetings around the world

Sponsored/Numbered Meeting (280)

ENAR/IMS Eastern Regional

March 30–April 2, 2003, Tampa, Florida

Details: www.enar.org

The IMS Eastern Regional meeting will be held jointly with the Spring Meeting of the International Biometric Society Eastern North American Region (ENAR) and sections of the American Statistical Association (ASA) on March 30–April 2, 2003 in Tampa, Florida at the Tampa Marriott Waterside Hotel.

As part of Florida's beautiful west coast, Tampa Bay's location makes it easy to get to the Gulf beaches and all attractions throughout central Florida, including Orlando which is located just 84 miles east of Tampa Bay. The climate in late March will be sunny and warm, with cool evening temperatures in the 70s. From the distinct Latin roots of Tampa's historic Ybor City to the Greek history of Tarpon Springs, visitors have plenty of exciting attractions and fascinating communities to explore. For detailed information on all that Tampa has to offer, visit their website: <http://www.visittampabay.com>.

IMS Program Chair: Daniel Scharfstein, Department of Biostatistics, Johns Hopkins University, Baltimore, MD;

e dscharf@jhsph.edu,

t 410-944-2420,

f 410-955-0948.

IMS Contributed Papers Coordinator:

Karl Broman, Department of Biostatistics, Johns Hopkins University, Baltimore, MD;

e kbroman@jhsph.edu,

t 410-614-9408

f 410-955-0958.

ENAR Program Chair: ENAR Program Chair: Oliver Schabenberger, SAS Institute Inc., Cary, NC, 27513;

e oliver.schabenberger@sas.com,

t 919-531-0616,

f 919-677-4444.

ENAR Local Arrangements Chair: Alan Cantor, University of South Florida, Moffitt Cancer Center, Tampa, FL;

e abcantor@moffitt.usf.edu,

t 813-632-1327,

f 813-632-1334.

IMS SPECIAL INVITED PAPER SESSIONS (MEDALLION LECTURES):

Session 1: Applications of High-Dimensional Data Analyses to Microarray Data

Organizer: Rafael Irizarry, Johns Hopkins U. Speakers:

1. Ker-Chau Li, UC Los Angeles (Medallion Lecturer); Title: Microarray Gene Expression Profiling: An Ideal Platform for High-Dimensional Data Analysis
2. J.S. Marron, U of North Carolina (Medallion Lecturer) Title: Distance Weighted Discrimination

Discussant: Dennis Cook, U of Minnesota

Session 2: Functional Analysis of Longitudinal Data

Organizer: Jane-Ling Wang, UC Davis.

Introduction: Xihong Lin, U of Michigan

- Speakers: 1. John Rice (Medallion Lecturer), UC Berkeley Title: Borrowing Strength in the Analysis of Longitudinal and Functional Data
2. Naisyin Wang, Texas A&M. Title: Marginal Non- and Semiparametric Kernel Regression For Longitudinal Data

Discussant: Jane-Ling Wang, UC Davis

IMS INVITED PAPER SESSIONS:

Session 3: Genome-Scale Biology: Statistical challenges and Solutions

Organizer: Jenny Bryan, U of British Columbia.

- Speakers: 1. Mark van der Laan, UC Berkeley. Title: Statistical Inference with Microarray Data
2. Ingo Ruczinski, Johns Hopkins U, Title: Statistical Challenges in SNP Data Analysis
 3. Jenny Bryan, U of British Columbia, Title: Tag-Based Methods of Detecting Gene Expression: Addressing Sampling Error and Bias



Session 4: Innovative Approaches and Challenges in the Analysis of Recurrent Failure Time Data

Organizer: Debashis Ghosh, U of Michigan

Speakers: 1. Rob Strawderman, Cornell U, Title: Non-parametric Estimation for Recurrent Event Data

2. Ying Zhang, U of Central Florida, Title: The Gamma Frailty Model for Panel Count Data

3. Dave Glidden, UC San Francisco, Title: Robust Inference for Event Probabilities with Non-Markov Event Data

4. Jerry Lawless, U of Waterloo, Title: Evaluation of Treatments with Recurrent Event Data

Session 5: Recent Developments in Clustering and Mixtures with Application to Spatial Models and Image Analysis

Organizer: Ramani S. Pilla, Case Western

Speakers: 1. David W. Scott, Rice U. Title: Partial Mixture Estimation With Application To Clustering

2. Hemant Ishwaran, Cleveland Clinic Foundation. Title: Bayes Computations for Poisson and Marked Spatial Processes

3. Yehuda Vardi, Rutgers U. Title: Robust Clustering Methods and Visualization Based on Data Depth

4. Carey E. Priebe, Johns Hopkins U. Title: Segmenting Magnetic Resonance Images via Hierarchical Mixture Modelling

Session 6: Causal Inference at the Biostatistics-Econometrics Interface

Organizer and Chair: Joe Hogan, Brown U

Speakers: 1. Constantine Frangakis, Johns Hopkins U. Title: Methodology for Evaluating a Partially Controlled Longitudinal Treatment Using Principal Stratification, with Application to a Needle Exchange Program

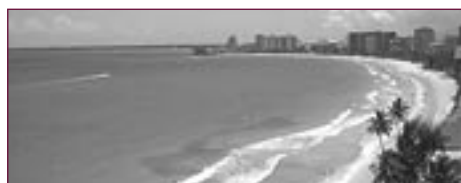
2. Karsten Hansen, Northwestern U. Title: Dynamic Treatment Models

Discussants: Rod Little, U of Michigan, Tony Lancaster, Brown U

Panel Discussion: Joe Hogan (Moderator), Brown U

Session 7: see next page

FIRST IMS-ISBA JOINT MEETING



The first joint statistical meeting of IMS and ISBA (the International Society for Bayesian Analysis) will be held in Isla Verde (San Juan, Puerto Rico, USA) on July 24-27, 2003. The meeting will evolve around three main topics of interest to both IMS and ISBA members: **Causal-Graphical Modeling**; **Spatial Statistics** and **Analysis of Extremes**. The format of the meeting includes overview lectures in the topics, invited talks, and poster sessions.

For more details, please visit www.cnnnet.clu.edu/math/ims-isba-pr2003

Co-Sponsored Meeting:

International Workshop On Current Trends In Bayesian Statistics

January 6-8, 2003

Indian Statistical Institute, Calcutta, India

IMS Rep: Dipak Dey, U of Connecticut

<http://www.isical.ac.in/~bws03>

IMS Invited Paper Session at the

International Statistical Institute, 54th
Biennial Session:

The Analysis of Gene Expression Data August 13-20, 2003, Berlin

IMS Organizer: Mike West, Duke U,
mw@stat.duke.edu (speakers are Rainer
Spang, Sandrine Dudoit and Mike West)

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All
August 2003 Meetings
ims 3-7: San Francisco, CA, Joint
Statistical Institute (ISI) and IMS (AR/
WNAR) including IMS Annual Meeting,
Spatial Statistics, and Analysis of Extremes.
Chair: Jane-Ling Wang, U of California,
Davis jwang@math.ucdavis.edu
Contributed Papers Chair: Lutz Duembgen
email lutz.duembgen@stat.unibe.ch
10-20: Berlin, Germany: International
Statistical Institute (ISI) Biennial
Session. Includes meetings of
the Bernoulli Society, The
International-

IMS Sponsored Mini-Meeting:

January 10-11, 2003, U of Florida, Gainesville, FL: Fifth Annual Winter Workshop: Functional Data Analysis

The Department of Statistics at the University of Florida will host its Fifth Annual Winter Workshop on January 10-11, 2003 in Gainesville, Florida. The workshop will focus on recent developments in functional data analysis (FDA) which is emerging as one of the most important new statistical methodologies with diverse applications in all areas of statistics ranging from image analysis to bioinformatics.

A major purpose of the symposium is to stimulate interaction between senior and young researchers, to identify the latest developments in FDA, and to promote discussion in this and related topics. In addition to invited presentations, the symposium will include a contributed poster session.

For more information visit <http://www.stat.ufl.edu/symposium/2003/fundat/>

Co-Sponsored Meeting:

Seminar on Stochastic Processes 2003 March 27-29, 2003

University of Washington, Seattle

IMS Representative: Chris Burdzy,
burdzy@math.washington.edu;
www.math.washington.edu/~burdzy/SSP2003/

This annual series of seminars was created in 1981 by K.L. Chung, E. Çinlar, and R.K. Gettoor to provide a forum for exchange of ideas at the frontiers of probability, giving an overview of recent significant and exciting research results, and enabling participants to discuss their work in an informal atmosphere.

There will be five invited plenary talks given by: Ioannis Karatzas (Columbia U), Wenbo Li (U of Delaware), Russ Lyons (Indiana U and Georgia Tech), Carl Mueller (U of Rochester) and Balint Toth (Budapest U of Technology and Economics).

ENAR IMS Invited Paper Sessions continued:

Session 7: Recent Developments in Bayesian Non/Semi-parametrics

Organizer: Lancelot James, Hong Kong U of Science and Technology

Speakers: 1. Lancelot James, Hong Kong U of Science and Technology. Title: Spatial Neutral to the Right Processes

2. R.V. Ramamoorthi, Michigan State U. Title: Posterior Consistency for Regression Problems

3. James O. Berger, Duke U. Title: Recent Developments in Objective Bayesian Model Selection

Session 8: Multi-stage Decisions and Dynamic Treatment Regimes

Organizer: Tom Ten-Have, U of Pennsylvania


Speakers: 1. Jamie Robins, Harvard U. Title: Issues in the Estimation of Optimal Treatment Regimes

2. Philip Lavori, Stanford U. Title: Comparison of Designs for Adaptive Treatment Strategies: Baseline vs. Adaptive Randomization


3. Peter Mueller, U of Texas. Title: Simulation-Based Sequential Bayesian Design

Discussant: Susan Murphy, U of Michigan

The Institute of Mathematical Statistics presents



**The Sixth North American
NEW RESEARCHERS CONFERENCE**



**University of California
Davis, California**

July 29 to August 1, 2003

Conference Objective:

To promote interaction among new researchers by introducing them to each other's research in an informal setting.



Participants:

Anyone who has received their PhD since 1998 or expects to receive a PhD by 2004 is eligible to attend. All participants expected to present a short, expository talk or poster on their research.

Abstract Deadline: February 1, 2003

For more information:

check out

<http://rohan.sdsu.edu/~rlevine/NRC>

Whom
do I
contact?

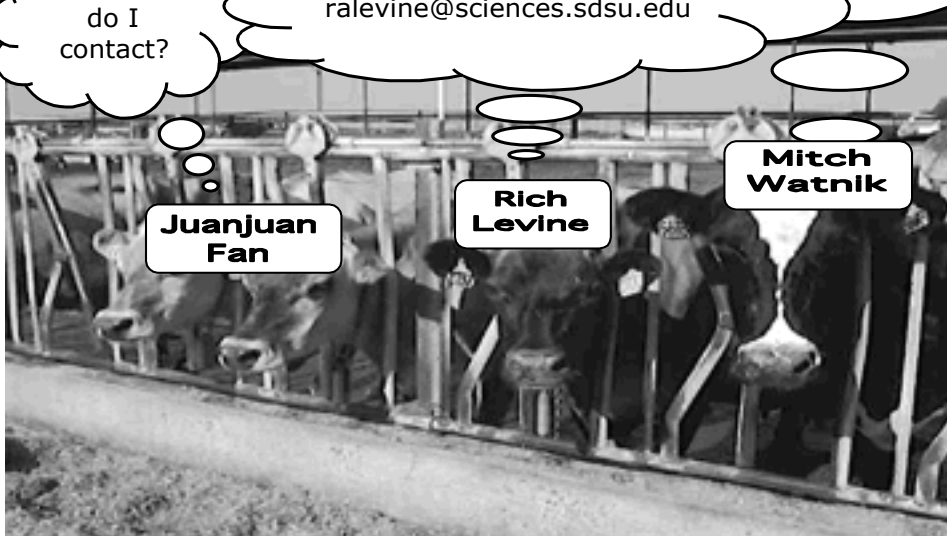
rlevine@sciences.sdsu.edu

**Juanjuan
Fan**

**Rich
Levine**

**Mitch
Watnik**

**Welcome to
Davis
Pop. 52,204**





SRC2003: Call for proposals

2003 Joint Summer Research Conferences

June 8-July 24, 2003

Snowbird, Utah

<http://www.ams.org/meetings/src03.html>

The American Mathematical Society (AMS), the Institute of Mathematical Statistics (IMS), and the Society for Industrial and Applied Mathematics (SIAM) have jointly sponsored Summer Research Conferences for twenty years. These conferences have played a vital role in disseminating the latest research to more than 9,000 mathematicians whose research interests span the breadth of the mathematical sciences.

These conferences have proven to be extremely useful to different groups for the exchange of ideas, results, and techniques. The opportunity to meet new people and talk directly with them creates important synergies among the groups. The Summer Research Conferences are also valuable to junior and senior researchers. The juniors have the chance to meet more established mathematicians and let their research be known and more importantly start a collaboration. The seniors have the chance to interact with their peers, learn new directions opened in other fields, and keep their research up to date.

Each year the sponsoring societies invite proposals from mathematicians, either singly or in groups. The conferences emulate the scientific structure of those held at Oberwolfach, although this structure is flexible. The proposals to be selected will represent diverse areas of mathematical activity, with emphasis on areas currently active. Conferences typically run for one week with forty-five to sixty participants. Conferences of longer duration are possible. Funding for the conferences is provided by a grant from the National Science Foundation.



Summer in Snowbird, Utah

Image courtesy of <http://summer.snowbird.com/>

Non-IMS Meetings

CALL FOR APPLICATIONS: TRAVEL SUPPORT FOR U.S. PARTICIPANTS to attend the TWENTY-NINTH CONFERENCE ON STOCHASTIC PROCESSES AND THEIR APPLICATIONS

August 3-9, 2003

Hotel do Frade in Angra dos Reis, Rio de
Janeiro, Brazil

[http://www.impa.br/
Conferencias/Spa/](http://www.impa.br/Conferencias/Spa/)

*The deadline for
submission of abstracts
is May 1, 2003.*

*Applications for travel support received by
April 15, 2003 will receive full consideration.*



Funding is anticipated from the U.S. National Science Foundation for a block travel grant to help defray the travel costs of junior researchers and members of underrepresented groups from the United States participating in the 29th Conference on Stochastic Processes and their Applications to be held in Rio de Janeiro, Brazil, August 3-9, 2003.

Junior researchers are those who received a Ph.D. in 1997 or later, or who are advanced graduate students working on Ph.D. dissertations. All applicants must be affiliated with a U.S. institution and

residing in the United States. Following standard NSF restrictions concerning travel, recipients of travel grant funds for airfare must travel on U.S. carriers.

All grant recipients must provide receipts for expenses to be reimbursed, whether for airfare or subsistence.

Full details on the conference website.

Send applications, preferably by e-mail, to: Professor Ed Waymire (Chair, SPA29 Travel Grant Applications), Department of Mathematics, Oregon State University, Corvallis, OR 97331 USA. waymire@math.orst.edu

Non-IMS Meetings

International Conference on Environmental Statistics and Health

July 16-18, 2003

Universidad de Santiago de Compostela, Spain

<http://isi-eh.usc.es>

The ISI Statistics and the Environment Committee is actively exploring the establishment of an ISI Section on Statistics and Environment. The Executive Committee of the ISI Council recently established guidelines for sponsorship of a major international conference. To that end, the Statistics and the Environment Committee announces this conference.

Montserrat Fuentes (North Carolina State U) will chair the Scientific Committee, and Wenceslao Gonzalez



Santiago de
Compostela

Manteiga (ISI-Spain) will chair the Local Arrangements Committee.

Preceding the conference there will be a short course in environmental statistics and Bayesian methods, including a geoBUGS tutorial.

There will be two invited lectures (1 hour technical talks), one given by Doug Nychka as opening for the conference and another by Louise Ryan as closure. Both lectures will serve as an introduction to environmental and health statistical research

for graduate students and young researchers. Full program information, as well as registration, committees and sponsors, is at the website above.

Student Travel Grants

There is funding to cover the travel expenses of young researchers. Preference will be given to graduate students who are presenting their research at the contributed poster session. Deadline for applications is April 15, 2003.

To apply, please send a letter of recommendation, a copy of the paper or an extended abstract for the proposed poster, and a CV, to Dr. Montserrat Fuentes, Statistics Department, Box 8203, North Carolina State University, Raleigh, North Carolina 27695-8203

Workshop on Dynamical Stochastic Modeling in Biology

January 8-10, 2003

Copenhagen, Denmark

Organizers: Marianne Huebner (Michigan State U) and Michael Sørensen (U of Copenhagen).

<http://www.math.ku.dk/~michael/dynbio/>

Nonparametric Statistics Research Conference

January 17-18, 2003

Florida State University, Tallahassee

Organizing committee: Florentina Bunea, Myles Hollander, and Jayaram Sethuraman
More info at <http://stat.fsu.edu/nonpar>

Workshop on Statistical Aspects of Microarray Data

February 20-22, 2003

Aarhus, Denmark

Organizers: Jens Ledet Jensen (Aarhus), Mathis de Gunst (Eurandom), Mats Rudemo (Gothenburg), and Michael Sørensen (Copenhagen).

<http://www.maphysto.dk/events/MicroArr03/>

Fourth International Workshop on Objective Prior Methodology

June 15-20, 2003

Centre Paul Langevin, Aussois, France

<http://www.ceremade.dauphine.fr/~xian/OBayes03>

Joint International Society For Clinical Biostatistics/Society For Clinical Trials Meeting

July 20-24, 2003

London, UK

Abstract deadline: January 15, 2003
Program Co-Chairs: Deborah Ashby, University of London, Mary Foulkes, FDA
<http://www.iscb-homepage.org>, or <http://www.sctweb.org>

DIMACS Workshop on Complexity and Inference

June 2-6, 2003

Dimacs Center, Rutgers U, NJ, USA

Organizers: Mark Hansen (Bell Labs), Paul Vitanyi (CWI & U. Amsterdam), and Bin Yu (UC Berkeley).

<http://stat.bell-labs.com/complexity>

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be too late...*

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* Offer available to Regular, Joint and Institutional members. We are unable to extend the discount to Life, Retired, Student, New Graduate or Reduced Country members due to discounts already extended.



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a major league baseball
is 5–7 pitches.

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Employment Opportunities around the world

CANADA: Montréal

POSITION IN STATISTICS

Département de mathématiques et de statistique

Faculté des arts et des sciences

Université de Montréal

The Département de mathématiques et de statistique of the Faculté des arts et des sciences of the Université de Montréal invites applications for a tenure-track position in statistics at any rank (assistant, associate or full). For information about the Département and the Université, the candidates are invited to visit the webpage of the Département (www.dms.umontreal.ca) as well as that of the Centre de recherches de mathématiques (www.crm.umontreal.ca) with which it has close collaborations.

Duties

Undergraduate and graduate teaching,

supervision of graduate students, and research.

Requirements

To hold a Ph.D. in Statistics. The research record must be outstanding. The candidate must possess excellent teaching skills. An interest for statistical consulting is an advantage. A good working knowledge of French is required. Candidates who do not speak French must acquire an adequate knowledge of it within a reasonable period after the appointment.

Salary

The Université de Montréal offers competitive salaries and a complete package of social benefits.

Starting Date

June 1, 2003.

The interested candidates must submit a curriculum vitae including a concise

statement of their research interests, at least three letters of reference, and copies of at most three of their most important research publications before November 15, 2002 (or until the position is filled), to:

Chair

Département de mathématiques et de statistique

Université de Montréal

C.P. 6128, succursale Centre-ville

Montréal QC H3C 3J7

Phone: (514) 343-6743

FAX: (514) 343-5700

email: chair@dms.umontreal.ca

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. The Université de Montréal subscribes to an affirmative action program for women and to employment equity.

CANADA: Ontario

University of Toronto at Scarborough

Canada Research Chair

Department of Mathematical Sciences

Statistics / Mathematics

The University of Toronto at Scarborough solicits applications for a tenured or tenure-track position in the Department of Mathematical Sciences, to begin July 1, 2003 within the Assistant to early-career Associate professor rank (within two years of tenure). The graduate appointment will be jointly to the Department of Mathematics and the Department of Statistics at the University of Toronto. Rank and salary will be commensurate with qualifications. The main areas of research interest are Mathematical Statistics, Mathematical Finance, or Probability; however, exceptional candidates in other

areas relevant to both Mathematics and Statistics are encouraged to apply.

It is intended that the successful applicants will be nominated for a junior Canada Research Chair (Tier II). Accordingly, candidates are expected to be outstanding researchers, whose scholarship and teaching will make major contributions to the quality and stature of the university. Applicants should send their complete C.V. including a list of publications, a short statement describing their research programme, and all appropriate material about their teaching. They should also arrange to have at least four letters of reference sent directly to: Search Committee UTSC, Department of Statistics, University of Toronto, 100 St. George Street, Toronto, Ontario, Canada M5S 3G3.

Additional information is available at the Web page: www.utstat.utoronto.ca

Priority will be given to applications received by December 31, 2002.

Applications after this date will be considered until the position has been filled. The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas.

Any inquiries about the application should be sent to: ida@math.toronto.edu or laura@utstat.toronto.edu.

CANADA: Ontario**University of Toronto****Department of Statistics**

The Department of Statistics, University of Toronto invites applications for a tenure-stream appointment at the Assistant Professor level starting July 1, 2003. Duties will include research, undergraduate and graduate teaching and involvement in graduate supervision. Demonstrated or potential excellence in research and teaching, and a doctoral degree are required. Applicants from all areas of statistics will be considered, including applicants with an interdisciplinary background in a related area such as, for example, image processing, machine learning, data mining, genetics, and environmental science.

Letters of application with curriculum vitae, graduate transcripts and reprints should be sent to Professor Keith Knight, Chair, Department of Statistics, University of Toronto, 100 St. George Street, Room 6018, Toronto, Ontario, Canada M5S 3G3 by December 31, 2002.

Applicants should ask three references to send a letter of recommendation under separate cover to the same address by the stated deadline.

Information on the Department of Statistics at the University of Toronto is available on the department's home page at www.utstat.toronto.edu.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

The University of Toronto offers the opportunity to teach, conduct research and live in one of the most diverse cities in the world, and is strongly committed to diversity within its community. The University especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas.

CANADA: Ontario**POST-DOCTORAL POSITION IN BIOSTATISTICS****University of Waterloo**

Applications are invited for the position of post-doctoral fellow in biostatistics to be held in the Department of Statistics and Actuarial Science at the University of Waterloo. This fellowship is aimed at supporting the development of statistical methodology and software for the analysis of event history data. Event history data is the term used to describe information on the nature and timing of events occurring over the lifetimes of individuals or units. These data can arise from observing complex processes in settings such as medicine, manufacturing, sociology, demography, epidemiology, and public health. The types of problems motivating the research in this position occur in clinical research. There will be contact and collaboration with health researchers in

hospitals, research organizations, and the pharmaceutical industry. Specific areas of research include the analysis of recurrent events, multi-state models, and design for studies of chronic disease processes. Faculty in the department with interests in biostatistics include KS Brown, RJ Cook, JF Lawless, DE Matthews, RJ O'Hara Hines, CA Struthers, ME Thompson, and GY Yi, among others. Candidates must possess a recent PhD in Statistics or Biostatistics and have a strong background in survival analysis, stochastic processes, statistical inference, and statistical/scientific computing. An interest in teaching and good communication skills would be an asset. The initial appointment will be for one year, with the possibility of renewal for a second year. The deadline for applications is February 28, 2003, but the position may be filled earlier than that date.

Interested persons are encouraged to send a curriculum vitae and have three letters of reference sent to:

Professor D.E. Matthews, Chair
Statistics and Actuarial Science
University of Waterloo
Waterloo, Ontario
CANADA N2L 3G1

In accordance with Canadian immigration requirements, citizens and permanent residents of Canada will be considered first for this position. The University of Waterloo encourages applications from all qualified individuals including women, members of visible minorities, native peoples, and persons with disabilities.

CANADA: Ontario

Mathematics and Statistics

University of Windsor

Four (4) Tenure-Track Positions

The University of Windsor invites applications for four (4) tenure-track positions in the Department of Mathematics and Statistics at the rank of Assistant Professor commencing **July 1, 2003**. Exceptional candidates at a senior rank may be considered. These positions are subject to final budgetary approval.

The Department of Mathematics and Statistics research areas include Statistics, Operational Research, Algebra, Analysis, and Applied Mathematics. There are excellent opportunities for collaboration with researchers in Economics, Engineering, Business Administration and Computer Science. The Department offers a Masters Degree in Mathematics and Statistics, and a PhD degree in Statistics. At the undergraduate level, we offer a Bachelor of Mathematics programs in Mathematics, Mathematics and Statistics, and Mathematics and Computer Science. Also, there is an interdisciplinary Bachelor of Operational Research program. There is a strong tradition of excellence in teaching at all levels, and several of our faculty have received distinguished teaching awards. For further information visit our web site at www.uwindsor.ca/math.

Applicants must have a realizable potential of a superb research record in one of the following areas:

- **Applied Statistics**
- **Mathematical Statistics**
- **Analysis**
- **Optimization/Numerical Analysis**

Evidence of additional research interests, in areas overlapping those currently represented in the Department, would be a further advantage.

The successful candidates must be dedicated to excellence in teaching at all levels including service courses,

undergraduate courses and graduate courses offered by the department. The successful candidates are expected to play a major role in shaping the department's future development. Candidates must have completed a Ph.D. by the date of appointment.

Two (2), Three-Year Limited-Term Positions

The University of Windsor invites applications for two, three-year, limited-term positions in the Department of Mathematics and Statistics at the rank of Lecturer or Assistant Professor commencing **July 1, 2003**. These positions are subject to final budgetary approval.

The successful applicants are expected to have at least a Master's degree in Mathematics or Statistics, evidence of successful teaching, and a strong commitment to providing quality instruction to a variety of students in Mathematics, Statistics, and related disciplines. Duties will consist of teaching six one-semester courses, either three in each of two semesters, or two in each of three semesters.

Applications will include: a letter of application, including a statement of citizenship/immigration status; a detailed curriculum vitae; a statement of teaching and research interests; graduate transcripts, if available; evidence of teaching effectiveness; and three **current** letters of reference forwarded by the referees.

To ensure full consideration, complete applications and letters of reference should be submitted by **January 6, 2003** to: Professor S. Ejaz Ahmed, Head, Department of Mathematics and Statistics, University of Windsor, 401 Sunset Avenue, Windsor, Ontario, N9B 3P4. Phone: (519) 253-3000, ext. 3015, Fax: (519) 971-3649, email: seahmed@uwindsor.ca

Applications may still be received after the deadline date. If you are unable to submit the application by the deadline date, you should contact the Head to alert the Head that you intend to submit an application after the deadline date. If you are viewing the advertisement after the deadline date, you should contact the Head to find out the status of the search and discuss the possibility of submitting an application. The University of Windsor is committed to equity in its academic policies, practices, and programs; supports diversity in its teaching, learning, and work environments; and ensures that applications from members of traditionally marginalized groups are seriously considered under its employment equity policy. Those who would contribute to the further diversification of our faculty and its scholarship include, but are not limited to, women, Aboriginal peoples, persons with disabilities, members of visible minorities, and members of sexual minority groups. The University of Windsor invites you to apply to our welcoming community and to self-identify in your letter of application. Priority will be given to Canadians and permanent residents of Canada.

To ensure that you are considered within the priorities of the Employment Equity Program, you may self-identify in your letter of application or in a separate letter to the Presidential Commission on Employment Equity which is mandated to oversee the implementation of employment equity. Self-identification letters may be forwarded to the Presidential Commission on Employment Equity, Office of Faculty Recruitment and Retention (OFRR), 325 Chrysler Hall Tower, University of Windsor, Windsor, Ontario, N9B 3P4. Information on Employment Equity can be found on the OFRR webpage at www.uwindsor.ca/facultyrecruitment or by calling our toll free number 877-665-6608.

(Continued on next page)

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The University of Windsor, one of Ontario's leading academic institutions, provides "the degree that works," an innovative and student-focused approach which prepares its graduates for the challenges of tomorrow. Information about the University of Windsor and its programs may be found at www.uwindsor.ca. Also visit us at www.uwindsor.ca/facultypositions. For additional information about this position and employment at the University of Windsor, contact Dr Janice Drakich, Director, Faculty Recruitment at 1-877-665-6608 or recruit@uwindsor.ca

CANADA: Ontario

UNIVERSITY OF OTTAWA

Department of Mathematics and Statistics

The Department of Mathematics and Statistics of the University of Ottawa invites applications of recent Ph.D.s for a tenure-track position in Statistics starting July 1, 2003. The rank remains open and individuals with an exceptional research record and proof of leadership qualities will be seriously considered.

Applicants should send curriculum vitae, a research plan, and arrange for four confidential letters of recommendations, with one addressing teaching, to be sent to Mayer Alvo, Chairman, Department of

Mathematics and Statistics, University of Ottawa, Ottawa, ON Canada, K1N 6N5. Applicants are also encouraged to include up to three copies of their most significant publications. The closing date for receipt for applications is December 15, 2002.

Conditions of employment are set by a collective agreement. Employment equity is University policy and the University strongly encourages applications from women. Canadian citizens and permanent residents will be considered first for these positions. Information about the department can be found at <http://www.science.uottawa.ca/mathstat>

CANADA: Ontario

POSITION IN ACTUARIAL SCIENCE OR FINANCE

University of Waterloo

Statistics and Actuarial Science at the University of Waterloo invites applications for a tenure-track or definite term position in Actuarial Science or Finance at the Assistant or Associate Professor level. Candidates must have a PhD in an area of the mathematical or statistical sciences, and research interests in either actuarial science or mathematical finance. Professional actuarial qualifications and experience, although not strictly necessary, could be a distinct asset. Departmental strengths in Actuarial Science and Finance cover a wide range of topics including probabilistic and statistical modelling in risk theory, insurance, pensions, solvency management and stochastic models in finance. Additional opportunities for collaboration at UW can occur through the Centre for Advanced Studies in Finance, the Institute of Insurance and Pension Research, and the soon-to-be-formed Institute for Quantitative Finance and Insurance.

Applicants must have proven ability in or potential for research, in addition to good teaching and communication skills. Duties include undergraduate and graduate teaching, and the development of an independent research program. The salary offered will be commensurate with qualifications and experience. This appointment is subject to the availability of funds. The effective date is expected to be July 1, 2003 or later. The closing date for applications is February 28, 2003.

Please submit a curriculum vitae, and arrange for at least three letters of reference to be sent to
Professor David E. Matthews, Chair
Statistics and Actuarial Science
University of Waterloo
Waterloo, ON, N2L 3G1, CANADA

In accordance with Canadian immigration requirements, citizens and permanent residents of Canada will be considered first for this position. The University of Waterloo encourages applications from all qualified individuals including women, members of visible minorities, native peoples, and persons with disabilities.

HONG KONG**Hong Kong Baptist University
Department of Mathematics (PR004/2003)**

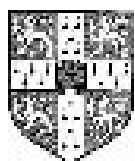
The Department of Mathematics invites applications for an Assistant/Associate/Full Professor position in Statistics/Biostatistics commencing September 2003 or later. Applicants should have a PhD in Statistics and demonstrated teaching and research ability. Consultancy experience is an advantage. Annual salary is HK\$556,260 and above depending on qualifications and experience; with leave, medical and housing benefits where applicable. Deadline: January 31, 2003. Send your CV and three confidential letters of reference to the Personnel Office, Hong Kong Baptist University, Kowloon Tong, Hong Kong, Fax: (852) 3411 5001. Specific inquiries may also be made to K.T. Fang, Head of Mathematics, E-mail: ktfang@hkbu.edu.hk fax: (852) 3411 5811, URL: <http://www.math.hkbu.edu.hk>

TAIWAN**Institute of Statistical Science, Academia Sinica****Taipei, Taiwan**

We invite applications for positions of Assistant Research Fellow, Associate Research Fellow and Research Fellow. Applicants must have a Ph.D. in statistics or related fields. Chinese or English speaking applicants are preferred. Interested candidates should send (1) curriculum vitae with publication list, (2) at least three letters of recommendation, (3) copies of research papers (or dissertation), and (4) transcripts (for new Ph.D. only) to Dr. Hwai-Chung Ho, Search Committee, Institute of Statistical Science, Academia Sinica, Taipei, Taiwan 115, R.O.C. (Tel:886-2-27835611 ext.112, Fax:886-2-27831523, E-mail:hcho@stat.sinica.edu.tw). Applications completed by January 15, 2003 will be assured of consideration. Detailed information about the Institute is available at <http://www.stat.sinica.edu.tw/>.

TAIWAN**National Sun Yat-sen University**

We invite applications for several faculty positions at all levels offered by the Department of Applied Mathematics and starting at August, 2003. The Department is young, active and promising. Last year our University was ranked by the government as one of the top nine research universities in the country. Applicants should have a Ph.D. and demonstrated potential in excellent research and teaching. The ability to teach in Chinese Mandarin is essential. Preference will be given to those with complete applications arriving before Feb. 15, 2003. Any applicant who can start in February 2003 is asked to make a note in his/her application letter. All applicants should send a letter of application, curriculum vitae, transcript, research summary, reprints of publications (technical reports), and arrange at least three letters of recommendation to be sent to
Chairman, Department of Applied Mathematics
National Sun Yat-sen University,
Kaohsiung, Taiwan, 804 R.O.C.
Email: chairman@math.nsysu.edu.tw
Fax : +886-7-5253809
Tel : +886-7-5252000 ext. 3800
Website: <http://www.nsysu.edu.tw>

UNITED KINGDOM**UNIVERSITY OF CAMBRIDGE
STATISTICAL LABORATORY****Department of Pure Mathematics and
Mathematical Statistics****University Lectureships in Mathematical Finance**

Applications are invited for two established posts in the Statistical Laboratory, beginning on or after 1st October 2003. The positions are open to candidates with interests in any area of mathematical finance. The successful candidates will have strong research records in some branch of mathematical finance, and will be expected to contribute to the teaching and research programmes of the Laboratory.

The current salary scale for a Lecturer is £22522-34734.

The Statistical Laboratory is a sub-department of the Department of Pure Mathematics and Mathematical Statistics, and gained the highest grade 5* in the 2001 Research Assessment Exercise. Information about the Laboratory can be found at www.statslab.cam.ac.uk.

Further particulars may be obtained from the Director, Professor R R Weber, Statistical Laboratory, Wilberforce Road, Cambridge CB3 0WB (telephone (01223) 337958; fax (01223) 337956; email secretary@statslab.cam.ac.uk)

Applications should be sent to the Director and should include a curriculum vitae and e-mail address, list of publications, and the names, postal and e-mail addresses of 3 referees. Candidates must ask their referees to send their reports direct to the Director, to reach him by the closing date of 14 January 2003.

The University is committed to equality of opportunity

USA: Alabama**Auburn University****Department of Discrete and Statistical Sciences**

The Department of Discrete & Statistical Sciences, at Auburn University, located in Auburn, Alabama invites applications for a tenure-track position as an Assistant Professor (or higher rank for candidates with exceptional qualifications) in statistics to begin Fall Semester 2003. Women and Ethnic Minorities are Encouraged to Apply. Ph.D in Statistics or Biostatistics required. Applicants should have solid theoretical training and evidence of teaching and research ability in statistics. Applicants with experience in biological applications or computing preferred. Interested individuals should send a vita, a letter of application and arrange for three letters of recommendations to be sent to Statistics Search Committee, Department of Discrete and Statistical Sciences, 235 Allison Lab, Auburn University, AL 36849-5307, USA. Website address: <http://www.dms.auburn.edu>, Fax number: 334-844-3611. Review of applications will begin January 6, 2003. AUBURN UNIVERSITY IS AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER

USA: Alabama**University of Alabama**

The Department of Mathematics invites applications for one tenure-track position at the level of assistant professor starting August 2003. Preference will be given to applicants in the area of mathematical statistics with an emphasis on computation. We are also interested in mathematical computation such as data mining, image processing, or coding and cryptography. The position will strengthen our applied mathematics program. Candidates must possess a doctorate degree in mathematics, statistics, or closely related fields by August 31, 2003. Experience in teaching and research is expected. Applicants should send a curriculum vita along with a letter of application, and arrange for three letters of recommendation to be sent to Dr. Bill Gray, Chair of the Search Committee, Department of Mathematics, University of Alabama, Tuscaloosa, AL 35487-0350. Applications will be reviewed immediately, and continue until the position is filled. The University of Alabama is an Affirmative Action/Equal Opportunity Employer. For more information about the department and the university, visit our website: www.math.ua.edu/.

USA: California**University of California at Davis****Department of Statistics**

The Department of Statistics invites applications for three positions, starting July 1, 2003 or a later date to be arranged. The ranks of two positions are open, depending on qualifications. The third position is at the Assistant Professor rank, tenure track, or at the Associate Professor rank, with tenure, depending on qualifications. Applicants must have a Ph.D. in Statistics or a related field. An outstanding research and teaching record is required for appointment with tenure; and demonstrated interest and ability to achieve such a record is required for a tenure track appointment. Preferred research areas are computational statistics,

bioinformatics/biostatistics or time series/spatial statistics. Candidates with demonstrated research interest in statistical theory motivated by complex applications, such as methods for the analysis of high-dimensional data from longitudinal or imaging sources, or genomics/proteomics are strongly encouraged to apply. The successful candidates will be expected to teach at both the undergraduate and graduate levels. UC Davis has launched Bioinformatics and Computational Science initiatives, and has recently established a graduate program in Biostatistics, in addition to the existing PhD/MS program in Statistics. Information about the department and programs offered can be

USA: California**California State University, Northridge**

The Department of Mathematics at CSU Northridge invites applications for two tenure-track appointments at the assistant professor level effective Fall 2003. All areas of pure and applied mathematics, statistics and mathematics education will be considered. Candidates should have a Ph.D. in the mathematical sciences, a strong commitment to excellence in teaching both at the undergraduate and graduate level, and potential for success in research. For a complete job announcement and information about the application process please visit our web site at <http://www.csun.edu/math>. California State University is an Equal Opportunity, Title IX, section 503 and 504 employer.

found at <http://www-stat.ucdavis.edu/>. Send letter of application, including a statement of research interests, curriculum vitae with publication list, at least three letters of reference, relevant reprints/preprints, and transcripts (applicants with Ph.D. obtained in 2001 or later) to: Chair, Search Committee, Department of Statistics, 1 Shields Avenue, University of California, Davis, CA 95616. Review of applications will begin on Jan. 1, 2003, and will continue until the positions are filled. The University of California is an affirmative action/equal opportunity employer with a strong institutional commitment to the achievement of diversity among its faculty and staff.

USA: California**University of California at Santa Barbara
Department of Statistics and Applied
Probability**

invites applications for a Lecturer with Potential Security of Employment position, to begin July 1, 2003. Qualifications: excellence in teaching and a PhD in statistics or a closely related field. Primary duties include (but are not limited to) teaching and advising of undergraduate students. Please send resume, one page statement of teaching and research objectives, and three letters of recommendation to Lecturer Search Committee, Department of Statistics and Applied Probability, University of California, Santa Barbara, CA 93106-3110, USA. The selection process will begin December 1, 2002 and continue until the position is filled. Women and minorities are particularly encouraged to apply. An EE/AO employer.

USA: California**University of California, Santa Cruz: Center for Biomolecular Science & Engineering**

<http://www.cse.ucsc.edu/centers/cbe/>

The Center for Biomolecular Science and Engineering (CBSE) at the University of California, Santa Cruz invites applications for a tenure track faculty position at the Assistant Professor level in the general area of bioinformatics for the 2003-2004 academic year. We are particularly interested in the areas of comparative sequence analysis, computational simulation and system modeling, biological databases and data mining, and computational analyses of data from new molecular and high throughput experimental technologies. Candidates should have outstanding research records demonstrating interdisciplinary approaches to important problems in biology, genomics, biomedicine, or related areas, and a willingness to participate in the academic programs of the planned Biomolecular Engineering Department. The CBSE is an interdisciplinary research and academic organization spanning the Baskin School of Engineering and the Division of Natural Sciences, and is directed by Hughes Investigator and UC Presidential Chair of Computer Science David Haussler. The position will initially be hosted by the Baskin School of Engineering and will transfer to the new department of Biomolecular Engineering upon its inception. Screening will begin with applications received by January 3, 2003, and continue until the positions are filled during academic year 2002-03.

For a complete description and application instructions, please see <http://www.soe.ucsc.edu/jobs/faculty/cbse/>.

UCSC is an AA/EEO/IRCA employer; Women and minorities are encouraged to apply

USA: Colorado**Positions available for Fall, 2003**

Two Tenure-track Assistant Professorships.

Exceptional candidates at other ranks will also be considered. Ph.D. in Statistics or related field with strong potential for high quality research and teaching are required. Although the search is open to all fields of probability and statistics, candidates with specialization in spatial statistics, generalized linear models, biostatistics, bioinformatics, financial mathematics, Bayesian statistics, applied probability, statistical signal processing or statistical computing are encouraged to apply. Applications should include CV (containing educational background, teaching experience and publication list), future research plans and three letters of recommendation.

Send applications electronically to search@stat.colostate.edu or by mail to Search Committee, Department of Statistics, Colorado State University, Fort Collins, CO 80523-1877, by January 3, 2003. Further details: <http://www.stat.colostate.edu>. Inquiries: search@stat.colostate.edu. Colorado State University is an EEO/AA employer, E.O. Office, 101 Student Services.

USA: Connecticut**University of Connecticut**

Anticipated Assistant/Associate Professor beginning Fall 2003. Ph.D. in Statistics required with a substantial research program in progress. Preference given to candidates with demonstrated interest in interdisciplinary research. Send application letter, vita, statement of research agenda, and four letters of reference to Nalini Ravishanker, Search Committee, Department of Statistics, University of Connecticut, 215 Glenbrook Road Unit 4120, Storrs, CT 06269-4120, phone: (860) 486-3413, e-mail: nalini@stat.uconn.edu. Applications considered until position is filled. We encourage applications from underrepresented groups, including minorities, women, and persons with disabilities.

USA: Connecticut Yale University

Department of Statistics Faculty of Arts and Sciences

The Department of Statistics at Yale University is accepting applications for the position of Assistant Professor of Statistics beginning September 2003. Broad research and teaching interests in theoretical and applied statistics are desired.

The Department encourages excellence in teaching, and faculty members teach a broad range of courses at both the graduate and undergraduate level.

The Department is committed to research in a wide variety of fields in probability, theoretical statistics and applied statistics.

Applications with a curriculum vitae, a research outline, copies of up to 3 selected reprints or preprints, and a statement on teaching interests and experience should be sent by January 6, 2003 to: Marten Wegkamp, Ph.D. Chair, Search Committee, Department of Statistics, Yale University, P.O. Box 208290, New Haven, CT 06520-8290

Candidates must arrange to have at least three letters of recommendation sent directly to the above address.

Yale University is an AA/EOE Employer.

USA: Connecticut Postdoctoral Fellow Department of Mathematics University of Connecticut

The Department of Mathematics anticipates several openings for Postdoctoral Fellow positions beginning in Fall, 2003.

Candidates must have received a Ph.D. within the last four years and demonstrate evidence of excellent teaching ability and outstanding research potential. The positions are for a maximum of three years. Postdoctoral Fellows normally teach two courses a semester and are expected to participate in the research activities of the department. Preference will be given to candidates whose research interests intersect those of the permanent faculty.

The review of applications will begin January 1, 2003. Send resume and at least three letters of recommendation to Hiring Committee, University of Connecticut, Department of Mathematics, U-3009, 196 Auditorium Road, Storrs, CT 06269. The University of Connecticut is an Equal Opportunity and Affirmative Action Employer. We encourage applications from underrepresented groups, including minorities, women and people with disabilities.



USA: Florida University of Florida

The Department of Statistics at the University of Florida invites applications for two positions: (i) Tenure-track Assistant/Associate Professor and (ii) Tenure-track Assistant/Associate Professor with experience or interest in bioinformatics. Both to begin August 2003. Qualifications include PhD in statistics or closely related quantitative field. To apply, send a vita and have 3 reference letters sent to Search Committee Chair, Dept. of Statistics, P.O. Box 118545, Gainesville, FL 32611-8545. Include graduate transcripts if PhD earned within the last three years. Application deadline: 1/20/2003. www.stat.ufl.edu. EOE/AA.

USA: Florida Florida State University Department of Statistics

Two Tenure-Track Positions

The Department of Statistics at Florida State University invites applications for two anticipated tenure-track positions, starting August 8, 2003. One is at the Assistant Professor level and the other is at the Associate Professor level. A Ph.D. in Statistics, Biostatistics, or a related field is required. The candidates are expected to have strong commitments to excellence in teaching, research and interdisciplinary work, along with excellent verbal and written communication skills. See our website at <http://stat.fsu.edu> to gain information about our department. Please send a letter of application, curriculum vitae, transcripts and three letters of reference to: Search Committee, Department of Statistics, Florida State University, Tallahassee, Florida 32306-4330. Florida State University is an Equal Opportunity / Affirmative Action employer, committed to diversity in hiring, and a Public Records Agency.

Eppes Professor of Statistics The Department of Statistics at Florida State University invites applications for an endowed chair, the Francis Eppes Professor of Statistics position. A Ph.D. in Statistics or a related field is required. Candidates should have international prominence based on a distinguished record of research and grant acquisitions. Candidates are expected to have strong and broad commitments to teaching and research. See our website at <http://stat.fsu.edu> to gain information about the department. Please send a letter of application, curriculum vitae and three letters of reference to: Search Committee, Department of Statistics, Florida State University, Tallahassee, Florida, 32306-4330. Florida State University is an Equal Opportunity/Affirmative Action employer, committed to diversity in hiring, and a Public Records Agency.

USA: Georgia

SCHOOL OF INDUSTRIAL AND SYSTEMS ENGINEERING
FACULTY POSITIONS AVAILABLE

Several new positions available for Assistant/Associate/Full Professor of Statistics in the School of Industrial and Systems Engineering at Georgia Tech. The department has Georgia Tech's largest Ph.D. program in Statistics with an emphasis in statistical methods and theory for engineering, science and technology. The engineering statistics group in ISyE has 10 members and will continue to grow. Please see our homepage at <http://www.isye.gatech.edu/statistics>. All areas of statistical expertise will be considered, with preference given to applicants interested in applications to engineering and information technology.

We strongly encourage women and minorities to apply. The offer will be contingent on the candidate having received his/her Ph.D. degree (in statistics, industrial engineering or related fields) by the start date. Interested individuals should: 1) Fill out the "Faculty Candidate Application" page at <http://www.isye.gatech.edu/candidate> and 2) Submit a letter of application and a resume to: Dr. William B. Rouse, H. Milton and Carolyn J. Stewart School Chair, School of Industrial and Systems Engineering, Georgia Institute of Technology, Atlanta, GA 30332-0205

Questions may be directed to brouse@isye.gatech.edu or paul.kvam@isye.gatech.edu.

Georgia Tech is an Equal Education and Employment Institution.

A Unit of the University System of Georgia.

USA: Georgia
Georgia Institute of Technology

The School of Mathematics at Georgia Tech invites applications for tenure-track and visiting faculty positions in statistics at all ranks beginning Fall 2003. Preference will be given to candidates whose expertise reinforces links between statistics and applied mathematics as well as with other academic units at Georgia Tech. Candidates with strong research and teaching records or potential in statistics should arrange for a resume, at least three letters of reference, and a summary of future research plans to be sent to the Hiring Committee, School of Mathematics, Georgia Institute of Technology, Atlanta, GA 30332-0160, USA. Review of applications will begin in September 2002 and continue until all positions have been filled. Georgia Tech, an institution of the University System of Georgia, is an Equal Opportunity/Affirmative Action Employer.

USA: Illinois
University of Chicago

Tenure track Assistant Professorship anticipated Fall 2003. Duties include research, teaching, and supervision of graduate students. Outstanding candidates in all areas of Statistics, Probability will be considered. PhD required. Vita, research papers, transcripts, three letters of reference should be sent before Jan. 7, 2003 to Steven Lalley, Chairman, Dept. Statistics, University of Chicago, 5734 University Avenue, Chicago, Illinois 60637. EEO.

USA: Illinois
Chicago GSB

Applications are invited for positions in econometrics and statistics beginning July or September, 2003. A Ph.D. in econometrics, statistics, or related fields is required. Responsibilities include teaching and research. Excellent communication skills and academic record are essential. Send CV, preprints, reprints and 3 reference letters to Office of the Dean, Chicago GSB, 1101 East 58th Street, Chicago, Illinois 60637. The University is an EO employer.

USA: Illinois
DePaul University

The Department of Mathematical Sciences at DePaul University, invites applications for a tenure-track assistant professor position in Statistics/Actuarial Science, Fall 2003. Ph.D. in statistics/actuarial science required, active engagement in quality research, and strong commitment to teaching. See (<http://www.depaul.edu/~math>) for details. Send application materials to: Statistics Search Committee, Department of Mathematical Sciences, DePaul University, 2320 N. Kenmore, Chicago, IL 60614. The deadline is January 24, 2003.

USA: Indiana**INDIANA UNIVERSITY BLOOMINGTON
DEPARTMENT OF MATHEMATICS**

Two junior level tenure track positions will be available starting in the 2003-2004 academic year. Outstanding candidates with a Ph.D. in all areas of pure and applied mathematics and statistics are encouraged to apply. Excellent research potential, as well as a commitment to teaching are required. Indiana University is an equal opportunity / affirmative action employer. Preference will be given to applications received by December 1, 2002. Please send a letter of application to: Search Committee, Department of Mathematics, Indiana University, 831 East 3rd Street, Rawles Hall, Bloomington, IN 47405-7106.

USA: Indiana**Purdue University****FACULTY POSITION(S) IN STATISTICS**

INDIANA, WEST LAFAYETTE:

Department of Statistics, Purdue University
The Department of Statistics at Purdue University has one or more openings for faculty positions. Screening will begin December 2, 2002, and continue until the position(s) is (are) filled.

Essential Duties: Conduct advanced research in statistical sciences, teach undergraduate and graduate students and maintain service in the Statistics Department.

Essential Qualifications: Require Ph.D. in Statistics or related field, in hand or expected by August 18, 2003. Candidates

USA: Indiana**INDIANA UNIVERSITY BLOOMINGTON
DEPARTMENT OF MATHEMATICS**

Four postdoctoral positions will be available to start in the 2003-2004 academic year. These terminal positions are named after our late, distinguished colleague Max Zorn, and are restricted to relatively new Ph. D.'s. Three of these positions are funded by a VIGRE grant from the National Science Foundation and they are restricted to U.S. citizens or permanent residents. The fourth is not restricted. Outstanding candidates in all areas of pure and applied mathematics and statistics are encouraged to apply. Excellent research potential as well as a commitment to teaching are required. Indiana University is an equal opportunity / affirmative action employer. Applications received by December 15, 2002 will be given full consideration. Please send a letter of application to: Postdoctoral Search Committee, Department of Mathematics, Indiana University, Rawles Hall, 831 East 3rd Street, Bloomington, IN 47405-7106.

must demonstrate potential excellence in research and teaching. Salary and benefits are competitive and commensurate with qualifications. Rank and salary are open.

Candidate for assistant professor should send a letter of application, curriculum vita and three letters of reference. For senior positions, send a letter of application or nominations, curriculum vita, and the names of three references. Purdue University is an AA/EO employer and educator. Send applications to: Mary Ellen Bock, Head, Department of Statistics, Purdue University, 150 N. University Street, West Lafayette, IN 47907-2067, USA.

USA: Iowa

Luther College invites applications for a tenure-track Assistant Professor in Statistics commencing with the 2003-04 academic year. A Ph.D. in statistics, completed by September 1, 2003, is required. An interest in actuarial science is preferred. Applicants must be committed to excellent teaching in a wide range of introductory and upper-level statistics courses in the context of a selective liberal arts college. Participation in the work of a well-respected, collegial department including advising, curriculum development and professional development is also expected. Further information about the College and the community of Decorah, Iowa, are available by visiting the college's website: <http://www.luther.edu/> Review of applications begins immediately. Please send letter of application, curriculum vitae, official transcripts, and three letters of reference to: Professor Steve Hubbard, Department of Mathematics, Luther College, 700 College Drive, Decorah, IA 52101. Phone: 563/387-1410; FAX: 563/387-1088; hubbarst@luther.edu Luther College is an EEO employer.

USA: Iowa

Department of Statistics
<http://www.stat.iastate.edu>

The Iowa State University Statistics Department invites applications for several open rank/open area tenure-track faculty positions. Ph.D. in statistics or a closely related field required. Academic rank will be offered based on potential for or record of genuine research excellence and teaching in statistics. An appointment to the Baker Chair in Biological Statistics (\$1.5M endowment) is possible for a distinguished senior candidate with interests in biological applications. Review of applications will begin December 6 and continue until the positions are filled.

The Department of Statistics has very large and effective M.S. and Ph.D. programs and is in its second year of an NSF VIGRE grant. These positions offer immediate opportunities for graduate student guidance and graduate level teaching.

The Department has strong links with other University departments and centers, and there are opportunities for collaboration with faculty in biology, agriculture, engineering, social sciences, education, and physical science. One of the distinctive features of the Ph.D. program is the large number of co-majors (with fields of application) graduated.

Completed applications for Assistant Professor candidates should include a letter of application, curriculum vita, transcripts, teaching and research statements, and a dissertation abstract. Additionally, the candidate should arrange for three letters of recommendation. Candidates for Associate and Full Professorships should send a letter of application, curriculum vita, and full contact information for three references. Materials may be submitted electronically as .PDF e-mail attachments directed to statfacultysearch@iastate.edu. Paper materials should be addressed to: Faculty Search, Statistics Department, 102 Snedecor Hall, Iowa State University, Ames, Iowa 50011-1210. Website: www.stat.iastate.edu.

Iowa State University is an Equal Opportunity/Affirmative Action Employer.

USA: Iowa

Department of Statistics &
 Interdisciplinary Research Institute for Survey Science
<http://www.stat.iastate.edu>

New Faculty Position in Survey Statistics

Applications are invited for an open-rank faculty position in the Department of Statistics & the Interdisciplinary Research Institute for Survey Science (IRISS). This position is affiliated with statistics faculty who engage in interdisciplinary research in sample surveys, supported in part by funding from federal and state agencies. The atmosphere is one of collaboration among faculty, students, subject matter researchers in academia and government, and staff trained in survey methodology.

Candidate is expected to maintain a quality program of research in survey sampling and general statistics, including graduate student advising. Consulting duties involve design and analysis for sample surveys in collaboration with campus, state, and federal researchers. Light teaching responsibilities include 1-2 courses per year.

Assistant professor candidates must have outstanding potential for research excellence in statistics and effective teaching. Associate and full professor candidates should have demonstrated excellence in statistical research and teaching. A Ph.D. in Statistics or related field is required. Experience or coursework in survey sampling is preferred, but not necessary.

To apply, send letter of application and CV plus the following materials: for assist. professor, arrange for transcripts and letters from 3 references to be sent; for assoc./full professor, supply full contact information for at least 3 references. Send pdf attachments to surveyfacultysearch@iastate.edu or paper materials to Sarah Nusser, Dept. of Statistics, Iowa State University, Ames, IA 50011-1210. Review begins December 1, and continues until the position is filled.

Iowa State University is an Equal Opportunity/Affirmative Action Employer.

USA: Iowa**Assistant Professor in Actuarial Science
University of Iowa**

Applications are invited for a tenure-track assistant professor in actuarial science starting August 2003. Applicants must show promise for excellence in both teaching and creative research. Fellowship or Associateship in a professional actuarial society, and a Ph.D. in a relevant field and are required. The appointee is expected to conduct research in actuarial science/financial mathematics, to assist in building a Ph.D. program in this area, and to supervise Ph.D. students.

The selection process begins December 1, 2002 and continues until the position is filled. Please send a curriculum vitae, and have three confidential letters of reference sent to:

Actuarial Search Committee Dept. of
Statistics & Actuarial Science University of
Iowa Iowa City, IA 52242.

Email: broffitt@stat.uiowa.edu

The Department currently has sixteen tenure-track faculty who are engaged in various areas of research in statistics, actuarial science, and financial mathematics. The current actuarial faculty members are Jim Broffitt, A.S.A., Gordon Klein, F.S.A., and Elias Shiu, A.S.A. The B.S. and M.S. degrees are offered in both actuarial science and statistics, the Ph.D. in statistics. Actuarial students may earn a Ph.D. in statistics with emphasis in actuarial science/financial mathematics. The number of actuarial science majors is about 45 graduate and 20 undergraduate students. For additional information about the Department, please refer to the web site: <http://www.stat.uiowa.edu/>.

The University of Iowa is nestled in the rolling hills of eastern Iowa along the banks of the Iowa River. Approximately 28,000 students are enrolled in eleven colleges: Liberal Arts, Graduate, Business, Law, Medicine, Public Health, Dentistry,

Nursing, Pharmacy, Education, and Engineering. The University is known for its fine arts, and a variety of touring dance, musical, and theatrical groups perform on campus each year. As a member of the Big Ten Conference, Iowa hosts many outstanding athletic events.

Iowa City is a clean, attractive community of approximately 62,000 people. It is noted for its public schools, medical and athletic facilities, attractive business district, parks, and mass transit system. In 1999, EDITOR AND MARKET GUIDE rated Iowa City as the best metropolitan area to live in the USA. Iowa City is within 300 miles of Chicago, St. Louis, Kansas City, and Minneapolis.

Women and minorities are encouraged to apply. The University of Iowa is an Affirmative Action Equal Opportunity Employer.

USA: Louisiana**Tulane University****Position Available Fall 2003**

The Department of Mathematics invites applications for a regular, tenure track position at the Assistant Professor level to begin in the Fall 2003 semester. We are interested in mathematical scientists whose research interests are in the field of Probability and Statistics or in related fields. The successful candidate will have demonstrated excellence both in teaching and in research. The responsibilities of the position include teaching at the undergraduate and graduate level, participating in the research life of the department and being an active departmental citizen.

Candidates should have a Ph.D. in mathematics, statistics or a related discipline, or expect to have one by the beginning of the Fall 2003 semester. A complete application consists of an AMS cover sheet, CV, research description, teaching statement and three letters of reference one of which addresses the candidate's teaching. Applications should be sent to: Hiring Committee Department of Mathematics Tulane University New Orleans, LA 70118. Applications will be accepted until the position is filled.

Tulane University is an Affirmative Action/Equal Opportunity Employer that is committed to increasing the diversity of its faculty. We therefore encourage applications from underrepresented groups.

USA: Massachusetts

MIT Sloan School of Management, the Operations Management and Operations Research Groups invite applications for tenure-track faculty position beginning July 2003. Applicants should demonstrate potential for research and teaching excellence in "stochastics" broadly construed. Applicants should possess or have almost completed relevant Ph.D. by appointment date. Please submit curriculum vitae, official graduate transcript, teaching resume, and three letters of recommendation by 12/15/2002 to: Chair, OM/OR Faculty Search Committee, 50 Memorial Drive, Building E53-360, Cambridge, MA 02142-1347. MIT is an equal opportunity employer committed to building a culturally diverse and pluralistic intellectual community and strongly encourages applications from women and minorities.

USA: Iowa**The University of Iowa College of Public Health
Department of Biostatistics**

The Department of Biostatistics, in the newly established and expanding College of Public Health, at The University of Iowa, will be recruiting four tenure-track faculty positions over the next two years, with at least two of the appointments to start in Fall 2003. At least two of the four appointments are expected to be at the level of Assistant Professor; exceptional candidates at the Associate Professor and Full Professor level are encouraged to apply. A PhD in biostatistics, statistics, or a related area is required, as are evidence of the potential for performing independent research and evidence of excellent written and oral communication skills. The search is open to all fields of specialization, however, individuals with interests in statistical computing, Bayesian statistics, clinical trials, spatial modeling, correlated data, or bioinformatics are especially encouraged to apply. Appointees will be expected to teach and advise in the MS, MPH and PhD graduate programs in Biostatistics and to teach students in public health and the biomedical sciences. All of these positions will involve collaborative research in public health or medicine in addition to teaching, service and methodologic research responsibilities.

The Department currently includes 13 primary faculty and approximately 40 graduate students; it includes a Division of Statistical Genetics, a Clinical Trials Statistical and Data Management Center, a Biostatistical Consulting Center, and it is closely affiliated with a Center for Public Health Statistics. The Department also supports the Biostatistics Cores of the General Clinical Research Center and the Holden Comprehensive Cancer Center. The Department is one of five departments in the College of Public Health and enjoys strong collaborative relationships with these departments, those in the College of Medicine, the Department of Statistics and Actuarial Science and other units across campus. The Department has a range of research expertise and is aiming to grow and broaden in the next few years. Professor Kathryn Chaloner was appointed as the new Department Head in September 2002. Further information about the Department and The University of Iowa is available at <http://www.public-health.uiowa.edu> and <http://www.uiowa.edu>. Applications for these positions should include a complete curriculum vitae listing educational background, professional experience, scholarly activities, and three letters of recommendation. Recent graduates should include transcripts from their graduate education, an abstract of their PhD thesis and any manuscripts in progress. The application and supporting materials should be sent to:

William R. Clarke, Search Committee Chair, Attention: Terry Kirk, College of Public Health, Department of Biostatistics C22-GH, 200 Hawkins Drive, Iowa City IA 52242-1009

Inquiries about these positions may be sent to william-clarke@uiowa.edu. Screening of applications will begin December 1st, 2002 and will continue until April 1st 2003 or until the positions are filled.

Women and minorities are strongly encouraged to apply. The University of Iowa is an Equal Employment Opportunity & Affirmative Action employer.

USA: Maine**The Jackson Laboratory
Biostatistician**

There is a regular, full-time position available as a Biostatistician in Computational Biology Resource. The incumbent will possess the skills to quickly understand biological problems and formulate solutions by developing and implementing statistical and computational algorithms. Experience with statistical methods for gene mapping and familiarity with genetics concepts are crucial. The incumbent will also provide advice and training on the general application of experimental design and statistical methods in research laboratories and should be familiar with statistical software and programming packages (e.g., SAS, R, S-plus, MATLAB, StatView, C++). The successful candidate will be creative, independent and self-motivated. Advanced degrees in Statistics and Genetics are desired. The ability to effectively communicate with scientific staff is absolutely critical. Previous relevant work experience and demonstrated consultation abilities are preferred.

The Jackson Laboratory is one of the world's foremost centers for mammalian genetics research. Located in Bar Harbor, Maine, the lab is adjacent to Acadia National Park. Mountains, ocean, forests, lakes, and trails are all within walking distance. If you are looking for a more natural environment, this could be the opportunity you've been searching for.

Qualified applicants should send cover letter and resume to: ims/238 Human Resources The Jackson Laboratory 610 Main Street Bar Harbor, Maine 04609 Fax: (207) 288-6106 Email (preferred option): jobs@jax.org The Jackson Laboratory is an Affirmative Action / Equal Opportunity Employer.

USA: Massachusetts

The Williams College Department of Mathematics and Statistics invites applications for one position in statistics, beginning fall 2003, at the rank of **assistant professor** (in an exceptional case, a more advanced appointment may be considered). We are seeking a highly qualified candidate who has demonstrated excellence in teaching and research, and who will have a Ph.D. by the time of appointment.

Williams College is a private, residential, highly selective liberal arts college with an undergraduate enrollment of approximately 2,000 students.

The teaching load is two courses per 12-week semester and a winter term course every other January. In addition to excellence in teaching, an active and successful research program is expected.

To apply, please send a vita and have three letters of recommendation on teaching and research sent to the Hiring Committee, Department of Mathematics and Statistics, Williams College, Williamstown, MA 01267.

Teaching and research statements are also welcome. Evaluations of applications will begin on or after November 25 and will continue until the positions are filled. Williams College is dedicated to providing a welcoming intellectual environment for all of its faculty, staff and students; as an EEO/AA employer, Williams especially encourages applications from women and underrepresented minorities. For more information on the Department of Mathematics and Statistics, visit <http://www.williams.edu/Mathematics>.

USA: Michigan**Department of Mathematics and Statistics,
Oakland University Faculty Position**

The Department of Mathematics and Statistics at Oakland University anticipates an opening starting 8/03 at the assistant professor level. A PhD degree in statistics or biostatistics is required. A strong commitment to research and teaching both at graduate and undergraduate levels. Preference will be given to candidates in areas such as survival analysis, longitudinal data analysis, bioinformatics and Bayesian inference.

The application should be mailed to: Ravi Khattree Department of Mathematics and Statistics Oakland University Rochester, MI 48309-4485

Please go to <http://www.math.oakland.edu> for detailed advertisement.

Affirmative Action/Equal Opportunity Institution. Minorities and women encouraged to apply. Subject to budgetary approval.

USA: Michigan

The Hope College Mathematics Department invites applications for a tenure-track statistics position beginning Fall 2003, pending administrative approval. PhD required. Duties include teaching and research (including work with undergraduates). Hope College is a co-educational, residential liberal arts college affiliated with the Reformed Church in America. Send resume, transcript, teaching philosophy statement, three recommendation letters (at least one addressing teaching): Search Committee, Mathematics Department, Hope College, Holland, MI 49422-9000. Deadline November 15, 2002, or until filled. See <http://www.math.hope.edu/>, e-mail: mathsearch@hope.edu. Hope College complies with federal and state requirements for non-discrimination in employment. Applications are strongly encouraged from women and minority persons.

USA: Michigan**University of Michigan, Ann Arbor Michigan**

The Department of Statistics anticipates filling one or more tenure-track Assistant Professor positions starting 9/03. Doctorate in Statistics or a related field, excellence in research and teaching required. See www.stat.lsa.umich.edu for details on areas of special interest. Competitive salary/fringe benefits. Send vitae, three reference letters, evidence of teaching excellence, transcripts (if recent Ph.D.), copies of publications to: Faculty Hiring, Department of Statistics, University of Michigan, Ann Arbor MI 48109-1092. Review of applications will commence on January 15, 2003. Women and minorities are encouraged to apply. The University is responsive to the needs of dual career couples. Affirmative Action/Equal Opportunity Employer.

USA: Minnesota**School of Statistics, College of Liberal Arts
University of Minnesota**

Applications are invited for one or more full time, nine-month, tenured or tenure-track faculty appointments at any level beginning August 25, 2003. Duties: teaching, research, and advising. Qualifications: Require doctorate in statistics or closely related quantitative field by August 15, 2003. For tenured positions, demonstrated excellence in research and teaching are also required. Send a letter of application, resume (copy of graduate record for tenure-track applicants), reprints/preprints, and arrange for three letters of recommendation to Chair, Search Committee, School of Statistics, University of Minnesota, 313 Ford Hall, 224 Church St. SE, Minneapolis, MN 55455; (612) 625-8046. FAX (612) 624-8868. Applicants will be reviewed beginning 1/06/03. Position(s) open until filled. The University of Minnesota is an equal opportunity employer and educator. For complete position information, please visit the web site www.stat.umn.edu.

USA: Minnesota

Faculty Positions in Biostatistics

University of Minnesota, School of Public Health

Full/Associate Professor of Biostatistics

The Division of Biostatistics, School of Public Health, at the University of Minnesota announces an opening for a tenured or tenure-track faculty position at the Professor or Associate Professor level.

We are interested in individuals who have a strong record of methodological research and who have experience advising PhD students. Emphasis will be placed on the quality of the candidate's research and teaching record and the ability to make an immediate impact on our PhD program through teaching advanced courses and advising. The successful candidate will be expected to take an active part in research with other investigators in the School of Public Health, the Medical School, and other units of the University.

Assistant Professor of Biostatistics

The Division of Biostatistics, School of Public Health, at the University of Minnesota has an opening for a tenure-track Assistant Professor position starting fall/summer 2003.

We seek individuals with a PhD in statistics or biostatistics, who have a strong academic record, who will carry out independent biostatistical research, and who will contribute to our graduate program through teaching and advising students. The successful candidate for the position will be expected to take an active part in research with other investigators in the School of Public Health, the Medical School, and other units of the University.

The Division of Biostatistics (www.biostat.umn.edu) currently includes 18 graduate faculty and 87 staff. The Division offers MS, MPH, and PhD degrees, and interacts in teaching and advising with the U of Minnesota School of Statistics. At the present time, we enroll 64 graduate students (49 MS and 15 PhD). Current faculty research in statistical methodology includes analysis of spatial and longitudinal data, Bayes and empirical Bayes methods, computer-intensive methods such as Markov chain Monte Carlo, survival analysis, clinical trials design, genomics, generalized linear models, and categorical data analysis.

The Division has an international reputation as the home of the statistical coordinating centers for a number of clinical trials in AIDS/HIV, lung disease, and cardiovascular disease. Other major research areas of applied research within the Division include cancer prevention and treatment, dental research, environmental and occupational health, health policy, chronic care and smoking prevention. Multi-year grants and contracts for various Divisional projects total over \$75 M.

Division faculty are also active participants in a University-wide community of researchers working at the frontiers of molecular biology in the recently established Biomedical Genomics Center and Bioinformatics Graduate Faculty. The University has state of the art technology for genetics (genotyping and sequence analysis), genomics (laser capture micro-dissection, custom microarray printing, and microarray scanning) and proteomics (a DIGE system and MALDI-TOF mass spectrometry). This atmosphere provides an outstanding opportunity to develop novel approaches to cutting edge problems in genomics and proteomics.

The salary range for these faculty positions will be very competitive, and the University of Minnesota offers excellent fringe benefits.

To apply, please send a letter specifying interest in the Full/Associate Professor **or** the Assistant Professor position, names and addresses of three referees, and a curriculum vitae by January 6, 2003 to: Dr. James Neaton, Chair of Search Committee, Division of Biostatistics, A460 Mayo Building MMC 303, 420 Delaware Street SE, Minneapolis, MN 55455-0378.

The University of Minnesota is an equal opportunity educator and employer.

USA: Michigan**WAYNE STATE UNIVERSITY****DEPARTMENT OF MATHEMATICS**

Applications are invited for two tenure-track positions at the rank of Assistant Professor in any area of specialization. Persons active in research in the fields of Algebra, Geometry/Topology or Statistics and with the capacity to collaborate with the current faculty are especially encouraged to apply. Applications from female and minority candidates are particularly encouraged. There is also the possibility of visiting positions for 2003-2004 in any area of mathematics. Ph.D. in mathematics and a strong interest in research and teaching are required for all positions. Applications should include a signed, detailed vita, description of current research interests, and four letters of recommendation, including one addressing teaching. Solid evidence of excellence in teaching at the undergraduate level is preferred over a statement of teaching philosophy. Applications received by January 1, 2003 will be given priority. Wayne State University is an equal opportunity/affirmative action employer. Wayne State University - People working together to provide quality service. All buildings, structures and vehicles at WSU are smoke-free.

Lowell J. Hansen, Chair, Wayne State University, College of Science, Department of Mathematics, Detroit, Michigan 48202

(313) 577-2479

(313) 577-7596 FAX

USA: New Hampshire**Department of Mathematics, Dartmouth College.****Senior Level Position**

Senior Level Position with initial appointment in 2003-2004 academic year in Applied Mathematics. Applicants should be acknowledged leaders in their field with cross-disciplinary interests and a proven ability to attract outside funding. Projects are currently funded by NSF, NIH, NIMH and DoD. Collaborations with the medical and engineering schools, and programs in computer science and cognitive neuroscience exist. Collaborations and/or appointments in Dartmouth's M.D./Ph.D. program, as well as Dartmouth's Institute for Secure Technologies Studies, are also possible. Teaching consists of two courses per quarter for two ten-week quarters or one course for each of two quarters and two courses for one quarter. Get a copy of the application information and required response form online at the department's Web site <http://www.math.dartmouth.edu/recruiting/>. Or, send a letter of application, a curriculum vitae, and a description of current research interests. Four letters of recommendation should be sent, at least one on teaching, and, if your native

language is not English, on your ability to use English in a classroom. AA/EOE. First consideration given to applications complete by December 6, 2002. Send material to: Donna Black, Recruiting Secretary, Department of Mathematics, Dartmouth College, 6188 Bradley Hall, Hanover, NH 03755-3551, USA.

Tenure-track Assistant Professorship

Opening anticipated, with initial appointment in the 2003-2004 academic year, in number theory, or "applicable mathematics." Someone in applicable mathematics should straddle the line of pure and applied mathematics, working in core mathematics with a record of interests in potential applications. Examples would include (but are not limited to) number theorists with interests in cryptography or coding theory, representation theorists who work in signal processing, combinatorialists with interests in computing, probabilists with interests in statistics, as well as more classical applied mathematicians. Projects are currently funded by NSF and DoD. Collaborations with the medical and engineering schools, and programs in computer science and cognitive

neuroscience exist. Collaborations and/or appointments in Dartmouth's M.D./Ph.D. program, as well as Dartmouth's Institute for Secure Technologies Studies, are also possible. In number theory, we have interests in both algebraic and analytic number theory. Teaching duties consist of two courses per quarter for two ten-week quarters or one course for each of two quarters and two courses for one quarter. Get a copy of the application information and the required response form online at the department's Web site <http://www.math.dartmouth.edu/recruiting/>. Or, send a letter of application, curriculum vitae, and a brief statement of research results and interests. Four letters of recommendation should be sent, at least one of which specifically addresses teaching and, if your native language is not English, on your ability to use English in a classroom, to Donna Black, Recruiting Secretary, Department of Mathematics, Dartmouth College, 6188 Bradley Hall, Hanover, NH 03755-3551. Applications received by January 5, 2003 considered first. Women and minorities are particularly encouraged to apply.

USA: New Mexico

Statistical Sciences Group

Los Alamos National Laboratory

www.lanl.gov/orgs/d/d1/index.shtml

Ph.D. Statisticians

The Statistical Sciences Group at Los Alamos National Laboratory is seeking excellent candidates for challenging entry- to mid-level positions. Candidates must possess a Ph.D. in statistics or an equivalent combination of education and experience, knowledge of multiple areas of statistical sciences, and interest in diverse application areas. Demonstrated statistical research ability including journal publications and/or technical reports is required. Experience developing statistical methodology in multidisciplinary collaborations, and background in basic science or engineering is desired. Good verbal and written communication skills and extensive statistical computing experience are required. Top-level security clearance or ability to obtain a top-level security clearance, which normally requires U.S. citizenship, is mandatory.

To apply, send resume, one page professional statement, three letters of reference, and copies of transcripts (for entry level applicants) to: Statistical Sciences Search Committee, Los Alamos National Laboratory, P.O. Box 1663, MS F600, Los Alamos, NM 87545. Applications completed prior to Jan. 4, 2003 will receive full consideration. AA/EOE

Pushing the Frontiers of Science

For more than five decades, Los Alamos National Laboratory has challenged the frontiers of science by creatively combining basic sciences with engineering and technical advances. As one of the country's largest national laboratories, the Laboratory is recognized as a world-class scientific and engineering institution. Operated for the Department of Energy by the University of California, the Laboratory serves the nation by advancing science and technology to make the world a better and safer place. The Laboratory maintains an atmosphere of intellectual freedom and also offers a fine benefits package with retirement, vacation, and health coverage. The Laboratory's core competencies include: homeland security; complex experimentation and measurement; theory, modeling, and high-performance computing; analysis and assessment; nuclear weapons science and technology; earth and environmental systems; nuclear and advanced materials; bioscience and biotechnology; and nuclear science, plasmas, and beams.

Statisticians are important contributors in the multidisciplinary scientific efforts central to each core competency

The Statistical Sciences Group was formed in 1967 to provide the Laboratory with a center of expertise in statistics. The group consists of 21 statistical scientists plus supporting personnel, visiting faculty, graduate students, and postdoctoral fellows. It offers challenging opportunities in statistical research and applications for individuals eager to participate in multidisciplinary scientific activities. The group currently has expertise in a range of methodologies including Bayesian methods, biomathematics, computer model evaluation, environmental statistics, Monte Carlo and computer-intensive methods, reliability analysis, spatial modeling, statistical graphics and visualization, and stochastic processes.

Statisticians work in partnership with world-class scientists in a variety of application areas, including: material science; computer science applied to modeling of weapon performance, traffic flow and congestion, disease outbreaks, and ecological phenomena; physics; engineering; geology; military strategy and analysis; industrial problems; genetics, microbiology, and chemistry.

Los Alamos Area

Los Alamos is situated at 7300 feet on the colorful mesas that extend from the wooded slopes of the Jemez Mountains. The town of about 18,000 people overlooks the Rio Grande Valley with further views of the Sangre de Cristo range, which forms the southern end of the Rocky Mountains. Los Alamos is a scenic 40-minute drive from the historic and cultural center of Santa Fe and is just 25 minutes from Bandelier National Monument, the site of ancient Native American cliff dwellings. Opportunities for outdoor activities such as skiing, fishing, mountain biking, and hiking abound in the Los Alamos area.

USA: Missouri**Washington University
St. Louis, Missouri 63130**

Two William Chauvenet Assistant Professorships. These are two year, non tenure-track positions. Applicants should be three years or less from the Ph.D. Starting date: Fall 2003. Teaching load: three courses per year. Applicants should have research interests that mesh with those of our permanent faculty. To apply, send vita and research plan. Have three letters of recommendation sent to Chair, Department of Mathematics. At least one of these letters should report on the candidate's teaching abilities. We will begin reviewing applications on December 1, 2002 and will continue until the positions are filled. For more information see: <http://www.math.wustl.edu>.

Washington University is an affirmative action/equal opportunity employer and specifically invites women and minorities to apply. Employment eligibility verification required on hire.

USA: New York**Cornell University, Ithaca, NY**

Department of Statistical Science, Cornell University invites applications for an open-level position based in the Department of Social Statistics to begin 8/25/03. PhD in statistics and commitment to research and teaching. Ability to participate in interdisciplinary programs is desirable. Send CV, statement of research/teaching interests, and three letters to Search Committee, Cornell University, 358 Ives Hall, Ithaca, NY 14853 by 1/15/03. Visit www.stat.cornell.edu. Women and minority candidates are especially encouraged to apply. Cornell University is an affirmative action/equal opportunity employer.

USA: New York**College of Staten Island/CUNY****Assistant or Associate Professor of Mathematics: APPLIED MATHEMATICS**

The Department of Mathematics of the College of Staten Island of the City University of New York seeks candidates for an anticipated tenure-track position in Applied Mathematics as an Assistant or Associate Professor beginning September 2003. Required: PhD in Applied Mathematics, Statistics, or related field, demonstrated commitment to research, and excellence in undergraduate and graduate teaching. Postdoctoral or industrial experience in cross-disciplinary research is encouraged. Responsibilities include teaching at the undergraduate and graduate levels, performing department and college service, engagement in an active and productive research agenda, and assisting in curriculum development and implementation of an interdisciplinary applied mathematics initiative. Current departmental research includes quantum and classical nonlinear-dynamical systems, discrete mathematics, probability theory, fluid dynamics, numerical analysis, and mathematical physics. The successful candidate will present credentials appropriate for appointment to the doctoral faculty of the CUNY Graduate Center. Salary range: Assistant Professor, \$47,331 - \$61,111; Associate Professor, \$49,376 - \$73,028, commensurate with qualifications. Review of applications will begin on December 15, 2002 and continue until the position is filled. Send a letter of application, a curriculum vitae, a short statement describing teaching experience and approach to teaching, research plans, and at least three letters of reference (to be sent separately) to: Professor Stephen Wollman, Chair, Applied Mathematics Search Committee, Department of Mathematics, College of Staten Island/CUNY, 2800 Victory Boulevard, Room 1S-215, Staten Island, NY 10314;

USA: New Mexico**University of New Mexico**

Tenure-track position, beginning August 2003, open to all areas of statistics. Potential for joint appointment with Dept. of Medicine. Ph.D. in statistics/ biostatistics required. See www.stat.unm.edu for complete job description. Selection process starts January 6, 2003, continues until position filled. CV and 3 letters of recommendation to: Edward Bedrick, Search Committee, Department of Math and Statistics, University of New Mexico, Albuquerque, NM 87131. EEO/AA.

USA: New York**Cornell University**

Tenure-track or tenured position. Rank open. PhD required in statistics, OR, CS, or related field. Expertise and/or interest in data mining and other aspects of computational statistics desirable but not necessary. Excellence in research and teaching is required. ORIE at Cornell is a diverse group of statisticians, probabilists, math programmers, and those working in simulation and manufacturing systems. An ideal candidate will have broad training and interests. Membership in Cornell's Department of Statistical Sciences or Faculty of Computing and Information would be possible, depending on candidate's interests and desires. CV, 1-page statement of research and teaching interests, doctoral transcript for junior applicants, and four letters should be sent to Statistics Search, ORIE, Rhodes Hall, Cornell University, Ithaca, NY 14853-3801. Applications completed by January 15, 2003 given preference. More information at <http://www.orie.cornell.edu>. Women and minority candidates especially encouraged to apply. Cornell University is an AA/EEOE.

USA: New York**BIostatISTICS FACULTY POSITIONS AT THE UNIVERSITY OF ROCHESTER**

The Department of Biostatistics and Computational Biology (formerly the Department of Biostatistics) at the University of Rochester is pleased to announce a major expansion. We are now recruiting for tenure and tenure-track faculty positions at all levels. These include Director of the Statistical Consulting Service (Clinical Core) and collaborative positions with other departments and units in the School of Medicine and Dentistry. Several positions in statistical methods for computational biology (bioinformatics) are also available. Duties include individual and collaborative research, consulting, graduate level teaching and participation in educational programs of the Medical Center. Rank is open commensurate with experience. Send applications including a c.v., transcripts if new PhD, and copies of selected publications and preprints to Faculty Search Committee, Department of Biostatistics, University of Rochester, 601 Elmwood Avenue Box 630, Rochester NY 14642, and arrange for three letters of recommendation to be sent. It is anticipated that screening of applications will commence in early Fall 2002. AA/EOE.

The Department also has an opening for a visiting professor for the Spring Semester (January 1 - June 30 2003) at an attractive salary. Duties include teaching two graduate level courses and research.

We are also seeking a Master's level biostatistician with experience in statistical consulting and SAS programming. Excellent communication skills required. A second Master's level position is available in computational biology. This position requires advanced scientific programming. Applications for these positions may be sent to the Department Secretary at the address above.

**USA: New York
Columbia University**

The Department of Statistics at Columbia University invites applications for an Assistant Professor position, beginning Fall 2003. A demonstrated potential for excellence in research and teaching is required. Special attention will be given to applicants with strong interests in applications, especially applications in genomics or computational biology.

Women and minorities are especially encouraged to apply.

Please send cover letter, CV and three reference letters to: Search Committee, c/o Shaw-Hwa Lo, Chair, Department of Statistics, Columbia University, New York, NY 10027

Applications received by 01/15/03 will be given full consideration.

Columbia University is an Affirmative Action/Equal Opportunity Employer.

**USA: North Carolina
University of North Carolina at Charlotte**

Associate Professorship in BioStatistics or Applied Statistics beginning August 2003. Demonstrated prior experience in multidisciplinary medical or health related funded research is required. Expected to be an asset in interdisciplinary health research projects in collaboration with the College of Health and Human Services and other health-related programs. A Ph. D. in Biostatistics or Statistics is required and demonstrated excellence in research and teaching. The decision process will start January 15, 2003. Applicants should submit a complete resume, a description of research interests, and at least three letters of references to Search Committee, Department of Mathematics, University of North Carolina Charlotte, Charlotte, NC 28223. For further information: <http://www.math.uncc.edu>
AA/EOE Women and underrepresented minorities are urged to apply.

**USA: North Carolina
SAMSI**

The Statistical and Applied Mathematical Sciences Institute (SAMSI), a national institute funded by the National Science Foundation and partners in North Carolina, is soliciting applications for University and Postdoctoral Fellows for 2003-2004, to participate in SAMSI research programs. SAMSI University Fellows are appointed jointly by SAMSI and a partner university; salary and timing are ideal for senior sabbatical visitors. Postdoctoral Fellows are typically appointed for two years, will earn a very competitive salary, and will receive exceptional mentoring. See www.samsi.info for further information and application instructions. Members of underrepresented groups are particularly encouraged to apply. AA/EOE.

USA: North Carolina



Postdoctoral Fellowships for 2003-2004

The Statistical and Applied Mathematical Sciences Institute is soliciting applications from statistical and mathematical scientists for up to **five** postdoctoral positions, to begin in September, 2003, or January, 2004. Appointments, at extremely competitive salaries, will typically be for two years and be made jointly between SAMSI and one of its Partners. Applicants should have received (or expect to complete) a doctorate in 1998 or later. Members of under-represented groups are particularly encouraged to apply.

SAMSI, located in Research Triangle Park in North Carolina, is a partnership between the National Science Foundation and the consortium of Duke University, North Carolina State University (NCSU), the University of North Carolina at Chapel Hill (UNC), and the National Institute of Statistical Sciences (NISS). SAMSI is forging a new synthesis of the statistical sciences and the applied mathematical sciences with disciplinary science to confront the very hardest and most important data- and model-driven scientific challenges. For more information, see www.samsi.info.

SAMSI programs planned for the year 2003-04 are:

- *Network Modeling for the Internet*, with applications to quality of service and protocol improvement (Fall, 2003).
- *Data Mining and Machine Learning*, with potential applications including bioinformatics and CRM (Fall, 2003 -- Spring, 2004).
- *Multiscale Modeling and Phenomena*, with potential applications including nano-control and nano-structured soft matter (Spring, 2004).

Postdoctoral Fellows will participate in one or more of these research programs, in collaboration with statisticians, applied mathematicians and disciplinary scientists from universities, industry, national laboratories and government agencies.

Criteria for selection include demonstrated research ability in statistical and/or applied mathematical sciences, interest and (to a lesser degree) experience in the SAMSI program areas and vision, and strength in computation and in verbal and written communication.

Applications should consist of a letter of interest containing addresses (including E-mail), telephone numbers and citizenship status; three letters of reference; a biographical sketch; a publication record or thesis topic, with abstracts of important items; and a one-page statement of interest responding to the criteria and projects listed above. The items should be submitted electronically, as PDF files if possible (Microsoft Word and PostScript are also acceptable), and sent to postdoc-application@samsi.info. Also send requests for additional information to this address. Those preferring to submit applications by mail, can send them to SAMSI, P.O. Box 14006, Research Triangle Park, NC 27709-4006. The deadline for full consideration is February 15, 2003, although later applications will be considered as resources permit. Appointments may be made at any time.

SAMSI is an AA/EEO employer

USA: Ohio

**CHAIR OF DEPARTMENT
STATISTICS
CASE WESTERN RESERVE UNIVERSITY**

The position requires a Ph.D. in statistics or equivalent and academic credentials as professor at a research university. Commitment to excellence in research, teaching, service, and enthusiasm for interdisciplinary work are essential. For more information see <http://laplace.stat.cwru.edu>. Send vita and arrange for four letters of recommendation to be sent directly to: Statistics Chair Search Committee, c/o Cynthia A. Stilwell, College of Arts and Sciences, Case Western Reserve University, 10900 Euclid Avenue, Cleveland, OH 44106-7068. Screening will begin January 10, 2003, and continue until the position is filled. Case Western Reserve University is an Equal Opportunity/Affirmative Action Employer.

USA: Oregon

**Oregon State University
Department of Mathematics**

The Department of Mathematics at Oregon State University invites applications to fill one regular tenure track Assistant Professor position starting September 16, 2003, subject to available fiscal support. A PhD in mathematics or a related discipline is required. Duties include research as well as teaching graduate and undergraduate courses. The successful candidate should have outstanding potential for interdisciplinary research and for research in areas of modern applied mathematics

such as partial differential equations, numerical analysis, probability, or dynamical systems. Preference will be given to candidates who can pursue interdisciplinary research involving ocean, atmosphere, and climate modeling or other areas of earth science. Candidates will be assessed for excellence in research and teaching. To apply, send a letter of application (including a statement describing research and teaching objectives and experience) and a curriculum vita to Search Committee, Department of Mathematics, Oregon State University, 368 Kidder Hall, Corvallis OR 97331-4605. In addition, please arrange for at least three letters of recommendation to be sent to the above address. One of the letters should address the candidate's teaching experience. For full consideration, all materials should be received by January 31, 2003. Oregon State University is an Affirmative Action Equal Opportunity Employer. For a complete job description, statement of selection criteria, and application materials see our web site <http://oregonstate.edu/dept/math/>

USA: Oregon

University of Oregon - Department of Mathematics

Applications are invited for one tenure-track Assistant or Associate Professor in the Department of Mathematics, beginning September 2003. Qualifications are a Ph.D. in the mathematical sciences, an excellent record of research accomplishment, and evidence of teaching ability. Applicants from all parts of the mathematical sciences are encouraged to apply. See <http://darkwing.uoregon.edu/~math/employment.html>

Competitive salary with excellent

fringe benefits. Mail complete vita and at least three letters of recommendation to Search Committee, 1222 Department of Mathematics, University of Oregon, Eugene, OR 97403-1222, Attention: J. Perkins. Application materials may NOT be submitted electronically.

Closing date is January 6, 2003. Women and minorities are encouraged to apply. The University of Oregon is an EO/AA/ADA Institution committed to diversity.

USA: Oregon**University of Oregon - Department of Mathematics**

Applications are invited for one tenure-track Assistant or Associate Professor in the Department of Mathematics in the areas of numerical analysis and/or applied analysis, beginning September 2003.

Qualifications are a Ph.D. in the mathematical sciences, an excellent record of research accomplishment in the required fields, and evidence of teaching ability. See <http://darkwing.uoregon.edu/~math/employment.html>

Competitive salary with excellent

fringe benefits. Mail complete vita and at least three letters of recommendation to Professor Yuan Xu, Chair of Applied Analysis Search Committee, 1222 Department of Mathematics, University of Oregon, Eugene, OR 97403-1222. Application materials may NOT be submitted electronically.

Closing date is January 6, 2003. Women and minorities are encouraged to apply. The University of Oregon is an EO/AA/ADA Institution committed to diversity.

USA: Oregon**University of Oregon - Department of Mathematics**

The Department of Mathematics at the University of Oregon announces a tenure-track position in Mathematics Education at the assistant or associate professor level, starting Fall 2003.

Qualifications: either a Ph.D. in mathematics and documented interest in Mathematics Education at the elementary or secondary level; or a Ph.D. or Ed.D. in Mathematics Educations with a very strong background and interest in mathematics. In addition the candidate must have some involvement in the education of future school teachers, and excellence in teaching undergraduate mathematics. See <http://darkwing.uoregon.edu/~math/employment.html>.

employment.html.

Please send your application materials, including full C.V. and at least three letters of recommendation from people well acquainted with your qualifications, to: Professor J. Brundan, Mathematics Education Hiring Committee, Department of Mathematics, 1222 University of Oregon, Eugene, OR 97403-1222. Application materials may NOT be submitted electronically.

Closing date for applications is January 13, 2003. Women and minorities are encouraged to apply. The University of Oregon is an EO/AA/ADA Institution committed to diversity.

USA: Pennsylvania**Duquesne University**

Duquesne University invites applications for a tenure-track Assistant Professor, beginning August, 2003. Ph.D./equivalent and potential for excellence in teaching/scholarship are required. Founded by the Holy Ghost Fathers in 1878, Duquesne University is Catholic in mission and ecumenical in spirit. The department (19 full-time faculty) offers B.A./B.S. in mathematics/computer science and an M.S. in computational mathematics. Send research/teaching statements, CV, 3 reference letters (at least one about teaching): Search Committee, Department of Mathematics and Computer Science, Duquesne University, Pittsburgh, PA 15282. Review begins December 16. <http://www.mathcs.duq.edu/position.html>. The university values equality of opportunity both as an educational institution and as an employer.

USA: Pennsylvania**Penn State****STATISTICS FACULTY POSITIONS**

The Department of Statistics at Penn State has one or two open faculty positions at the assistant professor rank beginning August 2003. One position is reserved for candidates with research experience in genomics, bioinformatics, environmental applications, or other university wide initiatives. Primary responsibilities: Conduct research, teach undergraduate and graduate courses and provide service and consulting. Qualifications: Require Ph.D. in Statistics or related field. Candidates must demonstrate potential for excellence in research and teaching. See www.stat.psu.edu. Please send a letter of application, curriculum vita and three letters of recommendation to: Chair, Faculty Search Committee, Department of Statistics, Penn State, 3261 Thomas Building, University Park, PA 16802-2111, USA. Screening will begin December 10, 2002, and continue until the positions are filled. AA/EOE.

**Do you have
a position to
advertise?
Please read the
information for
advertisers on
page 51**

USA: Pennsylvania**University of Pittsburgh****Departments of Statistics and Psychiatry
Joint Position**

The Departments of Statistics and Psychiatry have an opening for a tenure-track Assistant Professor position (subject to budgetary approval) beginning 09/03.

This joint position (with a primary appointment in the Department of Statistics) involves teaching, statistical research, and collaboration with psychiatric researchers. The courses to be taught are both undergraduate and graduate statistics courses in the Department of Statistics. The collaborative work is with one of the premier psychiatric research departments in the country whose activities involve clinical trials, services research, and biological studies of psychiatric disorders.

Qualifications: Statistics or Biostatistics Ph.D. with strong research, consulting, teaching, and computing skills.

Send CV, transcripts, 3 recommendation letters before 01/15/03 to:

Search Committee (SP) Department of Statistics 2717 Cathedral of Learning University of Pittsburgh Pittsburgh, PA 15260.

The University of Pittsburgh is an Affirmative Action, Equal Opportunity Employer. Women and members of minority groups under-represented in academia are especially encouraged to apply.

USA: Pennsylvania**University of Pittsburgh, Department of Statistics**

Visiting Assistant Professor (Spring Term 2003 appointment) beginning 06-JAN-03. Statistics Ph.D. and strong teaching skills required. Teach 3 courses/course equivalents in the academic semester. CV, transcripts, and 3 letters of reference to: Search Committee (VAP), Department of Statistics, 2717 Cathedral of Learning, University of Pittsburgh, Pittsburgh, PA, 15260. Review begins 01-NOV-02. The University of Pittsburgh is an Affirmative Action, Equal Opportunity Employer. Women and members of minority groups under-represented in academia are especially encouraged to apply.

USA: Rhode Island**Brown University, Division of Applied Mathematics
Position in Probability and Statistics**

The Division of Applied Mathematics seeks applicants for a position at the Assistant or Associate Professor level, in the general areas of probability and statistics. Preference will be given to applicants who combine research in statistical theory and methods with novel applications to science, or applicants who add distinct new dimensions to the research in probability currently in the Division. Candidates at the Associate Professor level are expected to demonstrate substantial contributions in both theory and application. Good communication and teaching skills are expected. Candidates should submit curriculum vitae, representative preprints or reprints, and a concise description of research interests and goals to:

Professor Chi-Wang Shu, Chairman
Division of Applied Mathematics
Brown University
Box F - Attention: Statistics Search
Providence, RI 02912

Additionally, candidates should arrange to have at least three letters of recommendation sent directly to the Search Committee at this address.

To receive full consideration, complete applications should be received by January 15, 2003.

Brown University is an affirmative action, equal opportunity employer.

Women and minorities are encouraged to apply.

USA: Pennsylvania**Department of Statistics, Carnegie Mellon University, Pittsburgh, PA**

Applications are invited for tenure-track and visiting positions. Carnegie Mellon offers a supportive faculty environment, emphasizing a combination of disciplinary and cross-disciplinary research and teaching. All areas of statistics are welcome, and joint appointments with other units in the Pittsburgh area are possible. We especially encourage women and minorities to apply. Details at <http://www.stat.cmu.edu> (email: hiring@stat.cmu.edu). Application screening begins immediately and continues until positions closed. Send CV, research papers, relevant transcripts and three letters of recommendation to: Chair, Faculty Search Committee, Department of Statistics, Carnegie Mellon University, Pittsburgh, PA 15213, USA. AA/EOE.

USA: Texas**The Department of Statistics at Texas A&M University**

anticipates openings for its two-year training program in Bioinformatics and Biostatistics with an emphasis on the Biology of Nutrition and Cancer (<http://stat.tamu.edu/B3NC>). Program participants will receive training via a structured format in biology, genetics, microarray technology, genomic signal processing, and the biological mechanisms of cancer that may be activated by nutrition-related factors. No teaching duties are required. Each participant will be mentored by a multidisciplinary team of experienced researchers from Statistics, Electrical Engineering, Nutrition and Biochemistry and will be provided with excellent computing support. Applicants should have a Ph.D. in a quantitatively oriented discipline, such as statistics, electrical engineering and applied mathematics. Both recent and established investigators are invited to apply. Funding is restricted to U.S. citizens and permanent residents. Stipends are competitive with initial tenure-track positions in statistics. Interested applicants should send a vita and three letters of reference (for new or recent Ph.D.s) by January 15, 2003 to:

Raymond Carroll, Department of Statistics, Texas A&M University, College Station
TX 77843-3143;
carroll@stat.tamu.edu
AA/EOE

USA: Texas**Texas Tech University Department of Mathematics and Statistics**

Applications are invited for at least two tenure-track assistant professor positions beginning fall 2003. Higher level appointments are possible in exceptional cases. Priority will be given to candidates in the areas of applied mathematics and computation, statistics, and mathematics education. Candidates whose mathematical background and scholarly activities have, or have shown, excellent potential for interdisciplinary collaboration are encouraged to apply.

Strong promise or accomplishment in teaching and scholarly activity and a Ph.D. degree at the time of appointment are required. Texas Tech University is committed to diversity among its faculty. Please send a resume, a completed AMS standard cover sheet, and have three letters of recommendation sent to: Alex Wang, Hiring Chair, Department of Mathematics and Statistics, Texas Tech University, Lubbock, TX 79409-1042. Review of applications will begin immediately. Additional information is available at <http://ttmath.ttu.edu/~awang/employ/employ.html> Texas Tech is an AA/EO employer.

USA: Texas**Faculty Positions: Department of Statistics, Texas A&M University**

Pending budgetary approval, we anticipate openings starting 9/03. Rank and salary are open. A PhD/DSc degree or the completion of all requirements for the degree prior to beginning employment is required. Candidates are expected to have a strong commitment to research and teaching. The department is a member of the College of Science and has a strong tradition of theoretical and interdisciplinary research. Excellent computing facilities are available and startup funding is anticipated. Women and minorities are especially encouraged to apply.

Send vitae (tenured position) or vitae and three letters of reference (untenured position) by 1/15/03 to: Statistics Search Committee, Department of Statistics, Texas A&M University, 3143 TAMU, College Station, TX 77843-3143. <http://stat.tamu.edu>
AA/EOE

USA: Texas**Bioinformatics Faculty Positions****Department of Statistics, Texas A&M University**

Pending budgetary approval, the Department of Statistics at Texas A&M University anticipates tenure-track faculty openings starting 9/03.

Texas A&M has a heavy emphasis on the life sciences, with bioinformatics research efforts involving collaboration throughout the university. The Department of Statistics has an NCI-funded training program in bioinformatics, and numerous research efforts in the area. The department emphasizes collaborative research, and there are many opportunities for such research together with biologists, biochemists, computer scientists, etc. Rank and salary are open. Excellent computing facilities are available and startup funding is anticipated. Women and minorities are especially encouraged to apply.

Send vitae (tenured position) or vitae and three letters of reference (untenured position) by 1/15/03 to:
Bioinformatics Search Committee,
Department of Statistics, Texas A&M University, 3143 TAMU, College Station, TX 77843-3143

For more information on our department and the research interests of our faculty, please visit our web site:
<http://stat.tamu.edu/>
AA/EOE

USA: Seattle**University of Washington, Seattle**

Tenure-track Assistant Professor, joint in the Department of Statistics and one of the Departments of Anthropology, Economics, Geography, Political Science, or Sociology, as part of the Center for Statistics and the Social Sciences (CSSS), (www.csss.washington.edu). We seek a faculty member contributing at the cutting edge to the development of statistical methodology relevant to the social sciences. Duties include new course development, teaching, and methodological and collaborative research. Ph.D. required by date of appointment. Send CV and 3 letters of recommendation to Gayle Gray, Administrator, CSSS, Box 354320, University of Washington, Seattle, WA 98195-4320. Priority will be given to applications received by December 15, 2002. The University of Washington is building a culturally diverse faculty and strongly encourages applications from women and minority candidates. AA/EOE.

USA: Seattle**University of Washington, Seattle**

Research associate position available for scientist interested in wavelets, statistics and geophysical applications (details at <http://www.stat.washington.edu/www/jobs>). Position is temporary full-time, initially for one year, renewable annually for up to three years. Applicants must have Ph.D. Send applications, including CV, statement of research interests, and names of four references, to Shirley Joaquin, Department of Atmospheric Sciences, Box 351640, University of Washington, Seattle, WA 98195, by 2/1/2002. The University of Washington is building a culturally diverse faculty and strongly encourages applications from women and minority candidates. AA/EOE.

*If you have
a position to
advertise, the
deadline for next
issue (January/
February 2003)
is December 31.
See the panel
'Information for
Advertisers', inside
the back cover.*

USA: Wisconsin**University of Wisconsin**

Department of Statistics and Department of Biostatistics and Medical Informatics seek candidate for joint tenure-track Assistant Professor position with an interest in biostatistical research to start in Fall of 2003. The position will require teaching one course per semester and collaborating with scientists in the UW Medical School. Expertise in clinical trials or computational statistics is of special interest. Send resume, summary of thesis/research papers, 3 letters of reference to: Hiring Committee, UW Department of Statistics, 1210 W. Dayton, Madison, WI 53706. Women & minorities encouraged to apply. Deadline: January 15, 2003. AA/EOE. Unless confidentiality requested in writing, candidate information must be released upon request. See: www.biostat.wisc.edu

USA: Wisconsin**University of Wisconsin-Milwaukee**

The Department of Mathematical Sciences anticipates a tenure track Assistant Professorship in statistics starting 08/2003, pending budgetary approval.

Responsibilities include: dissertation supervision, consulting, course development. Strong research and extramural funding potential, demonstrated commitment to teaching excellence essential.

Send AMS Standard Cover Sheet, vita, research plan, teaching philosophy, and 3 letters (one about teaching) of recommendation to: Chairperson, Department of Mathematical Sciences, UWM, P.O. Box 413, Milwaukee, WI 53201. Review of applications begins 12/6/02 and will continue until the position is filled. <http://www.uwm.edu/Dept/Math>

UWM is an EEO/AA Employer. Applications from women and minority candidates are strongly encouraged.

International Calendar of Statistical Events

IMS meetings are highlighted in maroon with the  logo and new or updated entries have the  symbol. **t** means telephone, **f** fax, **e** email and **w** website. Please send additions and corrections to Tati Howell at bulletin@imstat.org

November 2002

14-17: Charleston, South Carolina.

International Conference on Questionnaire Development, Evaluation and Testing.

Jennifer Rothget, U.S. Census Bureau, Center for Survey Methods Research/SRD/ FB #4, Rm. 3125, Washington, D.C. 20233 **t** (301) 457-4968 **e** jennifer.m.rothge@b.census.gov

22: Philadelphia, PA. **10th Annual Merck-Temple Conference on Research Topics in Pharmaceutical Statistics.**
w www.sbm.temple.edu/~biostat

December 2002


 **2: University of Alabama. IMS Mini-meeting: Statistical Integration of Genetic Information Across Data Domains: Biomedical, Agricultural, and Comparative Genomics.** Organizer: David B Allison, Hemant Tiwari (U Alabama)

9-13: Savannah, GA. **9th Annual Biopharmaceutical Applied Statistics Symposium:** 12 tutorials, 4 short courses, on topics related to research, development & regulation of pharmaceuticals, with emphasis on biostatistics.
e KEPeace@gasou.edu

17-19: Hong Kong. **International Conference on Applied Statistics, Actuarial Science and Financial Mathematics.** **w** <http://web.hku.hk/~icaaf>

17-21: Cochin, India. **International Conference on Stochastic Modelling and IV International Workshop on Retrial Queues.** Chair: A Krishnamoorthy, Dept of Mathematics, Cochin U of Science

and Technology, Cochin - 682022, India **e** ak@cusat.ac.in. Co-Chair: J R Artalejo, Dept of Statistics and OR, Complutense University, Madrid, Spain, **e** jesus_artalejo@mat.ucm.es

 **21-22: Kerala, India. IMS Mini-Meeting: Instructional Workshop On Matrix Analytical Method.** Organizer: A.Krishnamoorthy, Cochin Univ of Science and Technology **w** <http://www.cusat.ac.in/mam.htm>

22-23: Trivandrum, Kerala, India. **Statistics in the 21st Century.** Dr N Krishnan Namboodiri, Ohio State University, Columbus, OH 43210, USA **t** 614-292-2308 **e** namboodiri.2@osu.edu or Dr P Sadasivan Nair, Population Centre, University of Kerala, Trivandrum, India **t** 418057 **e** psnair@vsnl.com


28-30: Chennai, Tamilnadu, India. **Ranking and Selection, Multiple Comparisons, Reliability, and their Applications.** N Balakrishnan, McMaster U, **e** bala@mcmaster.ca
N Kannan, U of Texas at San Antonio, **e** nkannan@utsa.edu H N Nagaraja, Ohio State U, **e** hnn@stat.ohio-state.edu

January 2003


2-4: Cochin, India. **Statistics in Industry & Business.** Contact Bovas Abraham, U of Waterloo, Canada **t** 519-888-4593 **f** 519-746-5524 **e** babraham@uwaterloo.ca
w www.iiqp.uwaterloo.ca

 **6-8: Calcutta, India. Co-sponsored meeting: International Workshop on Current Trends in Bayesian Statistics.** Indian Statistical Institute. IMS Rep:

Dipak Dey, U of Connecticut **w** <http://www.isical.ac.in/~bws03>

 **8-10: Copenhagen, Denmark. Workshop on Dynamical Stochastic Modeling in Biology.** Organizers: Marianne Huebner (Michigan State U) and Michael Sørensen (U of Copenhagen) **w** <http://www.math.ku.dk/~michael/dynbio/>


 **10-11: U of Florida, Gainesville, FL. IMS Sponsored Mini-meeting: Fifth Annual Winter Workshop: Conference on Functional Data Analysis.** Contact Carol Rozear **e** carol@stat.ufl.edu **t** 352 392 1941 **w** www.stat.ufl.edu/symposium/2003/fundat

 **17-18: Florida State University, Tallahassee. Nonparametric Statistics Research Conference.** Organizing committee: Florentina Bunea, Myles Hollander, and Jayaram Sethuraman.
w <http://stat.fsu.edu/nonpar>


February 2003

 **20-22: Aarhus, Denmark. Workshop on Statistical Aspects of Microarray Data.** Organizers: Jens Ledet Jensen (Aarhus), Mathisca de Gunst (Eurandom), Mats Rudemo (Gothenburg), and Michael Sørensen (Copenhagen). **w** <http://www.maphysto.dk/events/MicroArr03/>

March 2003

 **27-29: U Washington, Seattle. Co-sponsored: Seminar on Stochastic Processes.** IMS Rep Chris Burdzy: **e** burdzy@math.washington.edu **w** www.math.washington.edu/~burdzy/SSP2003

International Calendar continued


 **30-April 2:** Tampa, FL. **ENAR/IMS Eastern Regional** (Sponsored/Numbered meeting 280). Program Chair: Daniel Scharfstein, Johns Hopkins U **e dscharf@jhsph.edu**; Contributed Papers Chair: Karl Broman, Johns Hopkins U **e kbroman@jhsph.edu**. **w** www.enar.org

May 2003

14-17: Chicago, Illinois. **Conference on New Directions in Experimental Design** (DAE 2003, Chicago). Focus: designs for biomedical and pharmaceutical studies. Contact Ken Ryan **e** kjryan@math.uic.edu **w** www.math.uic.edu/~kjryan/dae2003.html

21-24: Columbia, South Carolina. **International Conference on Reliability and Survival Analysis**. **w** www.stat.sc.edu/~padgett/ICRSA2003

June 2003

 **2-6:** Dimacs Center, Rutgers U, NJ. **DIMACS Workshop on Complexity and Inference**. Organizers: Mark Hansen (Bell Labs), Paul Vitanyi (CWI & U Amsterdam), and Bin Yu (UC Berkeley). **w** <http://stat.bell-labs.com/complexity>

4-6: University of Dayton, Ohio. **Spring Research Conference on Statistics in Industry and Technology**: Sponsored by IMS and SPES section of ASA. Program chair: Russell V. Lenth, U of Iowa, **e** russell-lenth@uiowa.edu, Local arrangements: Peter W. Hovey, U of Dayton, **e** peter.hovey@not.es.udayton.edu


8-11: Halifax, Nova Scotia, Canada. **Annual Meeting of the Statistical Society of Canada**. Local Arrangements Chair: Chris Field, **e** field@mathstat.dal; Program Chair: Doug Wiens, **e** doug.wiens@ualberta.ca;

w www.ssc.ca. Includes two IMS Invited Paper Sessions: 'Machine Learning Methods from a Statistical Perspective', contact Yi Lin **e** yilin@cs.wisc.edu and 'Shape-Restricted Inference', contact Mary Meyer **e** mmeyer@stat.uga.edu

 **8-July 24:** Snowbird, Utah. 2003 **Joint Summer Research Conferences**. Jointly sponsored by IMS, AMS & SIAM. Conferences typically run for one week with forty-five to sixty participants. Conferences of longer duration are possible. Funding for the conferences is provided by a grant from the National Science Foundation. **w** <http://www.ams.org/meetings/src03.html>

9-12: (note new contact information) KIMEP, Almaty, Kazakhstan. **ASIM 2003, International Conference on Advances in Statistical Inferential Methods**. (theory and applications) **w** www.kimep.kz/research/asim **e** voinov@kimep.kz

15-18: Merida, Mexico. **23rd International Symposium on Forecasting**. Principal organizer: Victor M. Guerrero (ITAM), **e** guerrero@itam.mx. **w** <http://www.isf2003.org>

 **15-20:** Centre Paul Langevin, Aussois, France. **Fourth International Workshop on Objective Prior Methodology** **w** <http://www.ceremade.dauphine.fr/~xian/OBayes03>

 **22-25:** Colorado School of Mines, Golden, CO. **WNAR/IMS Western Regional** (Sponsored/Numbered meeting 281). Program Chair: Naisyin Wang, Texas A&M **e** nwang@stat.tamu.edu Local Arrangements Chairs: Jan Breidt **e** jbreidt@stat.colostate.edu and Jan Hannig **e** hannig@stat.colostate.edu

24-27: Technical U of Gdansk, Poland. **1st World Congress on Information**


Technology in Environmental Engineering (ITEE2003) **w** www.icsc-naiso.org/conferences/itee2003

July 2003

2-4: Palmerston, New Zealand. NZ **Statistical Association Annual Conference**. **w** www-ist.massey.ac.nz/stats/nzsa2003

14-18: University of Antwerp, Belgium. **International Conference on Robust Statistics 2003 (ICORS2003)** **e** statis@uia.ua.ac.be **w** win-www.uia.ac.be/u/icors03.htm

 **16-18:** Universidad de Santiago de Compostela, Spain. **International Conference on Environmental Statistics and Health**. Scientific Committee Chair: Montserrat Fuentes (N Carolina State U); Local Arrangements Committee Chair: Wenceslao Gonzalez Manteiga (ISI-Spain). Program, registration, committees, sponsors and student travel grants: **w** <http://isi-eh.usc.es>


 **20-24:** London, UK. **Joint International Society For Clinical Biostatistics/Society For Clinical Trials Meeting**. Program Co-Chairs: Deborah Ashby, University of London, Mary Foulkes, FDA **w** <http://www.iscb-homepage.org>, or <http://www.sctweb.org>

  **23-27:** U of Puerto Rico, Rio Pedras Campus. **First Joint ISBA-IMS Meeting** (Sponsored/Numbered 282). Joint Program Chair: M J Bayarri, U de Valencia **e** susie.bayarri@uv.es Local Arrangements Chair Luis Pericchi, U of Puerto Rico **e** perricchi@goliath.ccnnet.clu.edu **w** www.ccnnet.clu.edu/math/ims-isba-pr2003

 **NEW** 29-August 2: U of California, Davis. **IMS New Researchers Conference** (Sponsored/Numbered meeting 283). Program Chair: Richard Levine, San Diego State U **e** rlevine@sciences.sdsu.edu IMS Local Chair: Juanjuan Fan, U of California, Davis **e** jjfan@ucdavis.edu **w** <http://rohan.sdsu.edu/~rlevine/NRC> (Note new web address)

31-August 2: Corvallis, OR. **Justus Seely Memorial Conference on Linear Models.** **w** www.oregonstate.edu/dept.statistics/seelyconf

August 2003

 3-7: San Francisco, CA. **Joint Statistical Meetings (ASA/IMS/ENAR/WNAR)** including **IMS Annual Meeting**. Sponsored/Numbered 284. IMS Program Chair: Jane-Ling Wang, U of California, Davis **e** wang@wald.ucdavis.edu Contributed Papers Chair: Lutz Duembgen **e** lutz.duembgen@stat.unibe.ch

NEW 3-9: Rio de Janeiro, Brazil. **29th Conference on Stochastic Processes and their Applications**. Submit abstracts by May 1, 2003. Travel support available for U.S. participants to attend: apply by April 15, 2003. See conference website: **w** <http://www.impa.br/Conferencias/Spa/>

10-20: Berlin, Germany: **International Statistical Institute, 54th Biennial Session**. Includes meetings of the Bernoulli Society, The International Association for Statistical Computing, The International Association of Survey Statisticians, The International Association for Official Statistics and The International Association for Statistical Education. Including **IMS Invited Paper Session, 'The Analysis of Gene Expression Data'**: contact Mike West **e** mw@stat.duke.edu

July 2004

4-11: Copenhagen, Denmark. **10th International Congress on Mathematical Education.** **w** www.icme-10.dk

19-24: Montreal, Canada. **Stochastic Networks Conference** **w** <http://www.stanford.edu/group/stochnetconf/>

August 2004

 8-12: Toronto, Canada. **Joint Statistical Meetings (ASA/IMS/ENAR/WNAR)**. Sponsored/Numbered. IMS Program Chair: Michael Evans, U of Toronto **e** mevans@utstat.utoronto.ca

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May/Jun 03	June 1, 2003	April 30, 2003
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Sep/Oct 02	October 1, 2003	August 31, 2003
Nov/Dec 02	December 1, 2003	October 31, 2003

We require electronic files sent via email (text, PostScript, PDF [grayscale **with all fonts embedded**] or MS Word) to erg@imstat.org, or camera Ready copy sent via mail to Elyse Gustafson, IMS Executive Director, address on page 2. This information can also be found at www.imstat.org/resources/jobs/bullad.pdf

In the next issue (January/ February 2003)

**IMS financial news, plus
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Deadline for submissions: January 1, 2003

**(Submissions in MS Word
or plain text, please:
see panel on page 2 for
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and dissemination of the
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statistics and probability***

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