IMS Bulletin



November 2005

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IMS New Researchers in Minneapolis



In August, just before the Joint Statistical Meetings in Minneapolis., the IMS New Researchers' Conference (NRC) was held at the University of Minnesota, August 2–6. The purpose of the NRCs is to promote interaction among new researchers primarily by introducing them to each other's research in an informal setting. As part of the conference, participants are expected to give a short, expository talk or contribute a poster on their research. They also have plenty of opportunity to discuss interests and professional experiences over meals and social activities. The relationships established in this informal collegiate setting among junior researchers are ones that may last a career, even a lifetime.

The conferences were initially held in alternate years, starting in 1993, but demand has been so high that they are now held every year. The location is the same as that year's Joint Statistical Meetings, so taking in both meetings is easier. Many young researchers have commented that attending the smaller NRC before the huge JSM really helps! Next year's NRC will be held in Seattle, at the University of Washington. Details will follow soon.

A report of the Minneapolis NRC is on page 5.

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IMS Members' News

Dipak Dey receives research excellence award

Dipak K Dey, Professor and Head of the Department of Statistics at the University of Connecticut, was awarded 2005 Faculty Excellence in Research (Sciences) from the Alumni Association of the University of Connecticut. Professor Dey is both nationally and internationally known and respected for his research contributions in the areas of Statistical Decision Theory and Bayesian Statistics. He has supervised 16 PhD students and is currently working with 4 more. Dipak is a Fellow of both IMS and the American Statistical Association.



Dipak has served as Editor of the *IMS Bulletin* and Associate Editor of *JASA*, *Theory and Methods Section* and has published more than 150 research papers. He has developed collaborative research programs with colleagues from various other departments, universities and organizations. At the University of Connecticut he was involved in the formation of the Center for Public Health and Health Policy, Center for Internet Data and Research Intelligence Services and Teachers for New Era at the Neag School of Education. In 2004, Dipak received the Research Excellence Award from the American Association of the University Professors at the University of Connecticut.

IMS members safe after Katrina

In the wake of Hurricane Katrina, we have been concerned to check in with IMS members in the affected areas. Two members who lived in New Orleans, Lynn Ray LaMotte and Julia Volaufova, have been in touch with Elyse Gustafson to let us know how they got to safety.

Lynn wrote, "Julia and I left our Lakeshore-area home in New Orleans before the storm hit: except for a house that may be still under water, we have had no difficulties. We stayed at first at my brother's in St Louis (where DC Rao, head of the Division of Biostatistics at Washington University, graciously provided us desk space and internet access). The LSU Health Sciences Center, where we work, has now relocated to Baton Rouge."

He thanked Elyse for making the effort to contact affected IMS members, and added, "We're affected, for sure, but we're fine."

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IMS Fellowship: Nominate Now

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.

Submission process

Electronic submission is highly encouraged. Please use online form (https://www.imstat. org/secure/awards/fellows.asp) for item 1. All other items should be sent via email to erg@ imstat.org, with the subject: FELLOW NOMINATION: <Last name of nominee>.

Nomination Materials

All items are required for consideration:

- 1) Nomination form which includes the following required information
 - Name of Nominee
 - Date of birth
 - Degrees (titles, dates, schools, and fields)
 - A list of not more than five publications or other reasons for the nomination
 - Present position(s)
 - Significant former positions with dates
 - Draft citation that might accompany the election to Fellowship
 - Nominator contact information

Send the following via email to erg@imstat.org including the subject line FELLOW NOMINATION: <last name of nominee>. Items can be sent as pdf, ps or plain text attachments.

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

If electronic submission is not possible, please send items to: IMS Fellows Committee 3163 Somerset Dr Shaker Heights, OH 44122

Deadline

All nominations must be received by January 31, 2006.

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Jessica Utts: Carver Medal recipient 2005

ould you like to meet a very interesting statistician, one who has acquired a reputation for exploring 'strange phenomena', been interviewed by CNN's Larry King, and who has contributed greatly to the statistics profession in a variety of capacities? Well, meet Jessica Utts, recipient of the 2005 Carver Medal, awarded for exceptional service specifically to IMS.

Jessica was a graduate student at Penn State in the mid-seventies, where she earned her Master's and PhD degrees in statistics. While she was in many respects the typical serious student just finding her way in the academic world, we nevertheless observed some signs of where she might be heading in her career. She was one of the best teaching assistants I ever saw in my 45+ years at Penn State: she was well-organized, wrote excellent tests, and presented her lectures clearly and enthusiastically. Jessica was a hard and very productive worker. Also, among other things, she enjoyed motorcycles and was struggling with notions about re-incarnation that she had come across in her reading. Were these portents of her subsequent strong interests and research in statistical education and parapsychology?

Tom Hettmansperger, her thesis advisor, has this to say about Jessica's days as a graduate student: "I recall working with Jessica as her PhD supervisor with great pleasure. She has a rare ability for communication. What thesis advisor would not die for a student who requires almost no thesis editing! While in graduate school she was a leader among the graduate students and a superb teaching assistant, strong qualities that have served her well in her professional career. Hearty congratulations for this well-deserved recognition."

So what has Jessica done that led to her being chosen for this medal? I imagine that the selection committee looked at the diversity of her service to the profession and offices she has held: to IMS (Council member, Treasurer, twice Assistant Program Secretary); ASA, the International Biometric Society (WNAR President), the American Association for the Advancement of Science (AAAS Section U Secretary, and Chair, Nominating Committee), the Caucus for Women (President); and Parapsychological Association (Board Member).



In addition, she has served on numerous Editorial Boards, been an active consultant with service on a variety of panels, and had extensive administrative experience at the University of California at Davis for example, she is currently serving as the Interim director of the Davis Honors Challenge. The Committee certainly was aware of the textbooks she has written and her contributions to statistical education. They undoubtedly placed high value on her research and activities in parapsychology.

Roughly half of her 60+ publications have been related to the use of statistics in parapsychology. In 1995 she and Ray Hyman prepared a report assessing the



Jessica Utts. Photo: Joanna Morris

statistical evidence for psychic functioning in US government sponsored research. The report was done as part of a review by the American Institutes of Research at the request of Congress and the CIA. It received widespread media coverage. She was interviewed by CNN's Larry King on the topic and paranormal phenomena more generally. In 1996 *The Times Higher Education Supplement* published a paper co-authored with Nobel Laureate Brian Josephson on "The Paranormal: the Evidence and its Implications for Consciousness". She also wrote a paper that appeared in *Statistical Science* summarizing some of the statistical evidence for such phenomena that was available at that time (1991) and a paper on "The Significance of Statistics in Mind-Matter Research" (1999).

At Davis, she was the recipient of an outstanding teaching award (no surprise to me!). She has written well-received textbooks, including *Seeing through Statistics* (in its second edition), two texts co-authored with Robert Heckard (*Mind on Statistics* and *Statistical Idea and Methods*) as well as serving as Editor-in-Chief of *CyberStats: An Introduction to Statistics*, an online statistics course.

Her co-author Robert Heckard has this to say about his collaboration with her: "Jessica works hard, with admirable diligence. She is a skillful collaborator who diplomatically creates solutions and compromises when there are differing ideas for how to write something. The large number of e-mails with revisions, edits, etc., that she has sent me between 2 and 3 a.m. is testimony to that. Given Jessica's extensive university responsibilities and her active participation on national and international committees, it seems impossible that she could also create time to author textbooks. Jessica has a farreaching social network, maintaining close connections with family and friends. I sometimes wonder if she ever sleeps!"

For her illustrious service she is indeed worthy of this Medal. William L Harkness, Department of Statistics, Penn State University

Know an unsung hero of IMS? Nominations are open for the 2006 Carver Award. Deadline February 1 2006. See http://www.imstat.org/awards/carver.html for details.

IMS New Researchers' Conference

Johanna Hardin writes: The University of Minnesota welcomed 72 new researchers of statistics and probability to its campus in August for the Eight North American New Researchers Conference. The weather was beautiful, and the campus was idyllic, but what really stood out were the research projects shared by each of the conference participants.

The New Researchers Conference is a unique conference that brings together new researchers whose fields are quite different but whose career situations are quite similar. Along with spending time presenting their own research, the participants are exposed to panels on grant writing and journal editing as well as advice from senior colleagues on everything from time management to teaching. The conference fosters interaction both among the new researchers themselves, and with senior researchers whom the new researchers might not otherwise have a chance to meet. Details of the conference can be found at http://pages.pomona.edu/~jsho4747/NRC/NRC. htm

Most of the new researchers gave a 12 minute talk on their own research, while some gave poster presentations. The talks were broken up by long coffee breaks in order to facilitate interaction between the participants. After the conference, one person reported, "I [had] a chance to hang out with people with whom I have so much in common. I might even [have] found my future collaborators!"

Along with the social interactions that took place between talks, less formal interaction happened throughout the conference. All meals were eaten together (primarily in the dining halls), and each evening we had a social event in which the majority of the participants partook. These activities, along with a subsidized plane flight, were made possible by generous grants from IMS and also from NSF, NIH, ONR, and NSA. We are appreciative that the granting associations value the conference as much as we do.

As you might suspect, the topics of recent PhD research has followed current trends in the field. Many of the talks focused on new computational techniques or methods applicable to the ever growing bioinformatics field. However, there were also numerous presentations on fields ranging from probability to statistical finance to Bayesian analysis to time series. The abstracts from the conference can be found at http://www.stat.umn.edu/~galin/abst.pdf

The first panel session was on obtaining funding through granting organizations. Bob Serfling from the NSF spoke about some of the particular NSF programs that might be of interest; Terry Therneau from the Mayo Clinic spoke about collaborative grants and gave advice on what granting institutions are expecting. Next, the journal panel of Frank Samaniego (*JASA*), Jim Albert (*The* *American Statistician*), and Ed George (*Statistical Science*) provided the new researchers with many recommendations, and guidance on how to be successful in submitting papers to various journals.

Our banquet speaker was Sandy Weisberg, University of Minnesota, who supplied many anecdotes from his years of consulting which served to be very welcome counsel on what to do and what not to do. Grace Wahba, University of Wisconsin, our luncheon speaker, gave the participants some very thoughtful advice from the perspective of a woman who has been in the field of statistics at a top research university for many years. Rick Cleary, Bentley College, completed the invited sessions on Saturday morning by giving us a very interactive and reflective talk on teaching.

Louis Chen, the [then] President of the IMS, spent time at the conference interacting with the participants and presenting the merits of an IMS membership. He gave many examples of how to be involved in the IMS, including outreach to developing nations.

This year, we were pleased to feature the first winner of the new Richard L Tweedie New Researcher's Award, Tilmann Gneiting of the University of Washington. The award is designed to honor Richard Tweedie, who spent much of his career mentoring new faculty. Gneiting gave an intriguing talk on his work in probabilistic forecasting.

Due to the increasing popularity of the conference, the IMS is sponsoring it on an annual basis. Next year's conference will take place at the University of Washington, just prior to the Joint Statistical Meetings in Seattle, WA. As chair of the New Researcher's committee, Peter Craigmile, Ohio State University, will be organizing next year's NRC with the help of Peter Hoff, University of Washington, as the local organizing chair. Stay tuned to *IMS Bulletin* for more information on NRC 2006.



NSF Division of Mathematical Sciences

Wen Masters is program director of the NSF Statistics and Probability Program of the Division of Mathematical Sciences (DMS). She and fellow program director Shulamith Gross [now returned to Baruch College of CUNY] dropped in to one of the IMS



Council meetings in Minneapolis to give an update. Wen reports briefly:

Highlights from the presentation included NSF budget priorities for FY 2006 (October 1, 2005 – September 30, 2006), recently established programs and funding opportunities, and staffing. NSF FY2006 Budget Request to Congress is posted at http://www.nsf.gov/about/budget/fy2006.

There are four budget priorities: strengthening core disciplinary research, providing broadly accessible cyberinfrastructure and other world-class facilities, broadening participation in the science and engineering workforce, and sustaining organizational excellence in NSF management practice.

The DMS disciplinary programs consist of Algebra, Number Theory and Combinatorics; Analysis; Applied Mathematics, Computational Mathematics; Foundations; Geometric Analysis; Mathematical Biology; Probability; Statistics; and Topology. Among them, Mathematical Biology was a recent addition. A new DMSwide focus on cross-cutting topics concerning analysis, modeling, and computation of stochastic systems (AMC-SS) was established in November 2004, see http://www.nsf.gov/publications/pub_summ. jsp?ods_key=nsf05039. There is also a recently revised solicitation on conferences, workshops, and special meetings. A new feature of this solicitation is the special meetings, which are longer-term or larger-scale meeting activities, such as special research years or semesters, summer or winter schools, and multi-institutional regional meetings, for details see http://www.nsf.gov/publications/ pub_summ.jsp?ods_key=nsf05540.

An update on the NSF-wide Mathematical Sciences Priority Area (MSPA) was also given. MSPA activities include: Collaboration in Mathematical Geosciences (CMG), Enhancing the Mathematical Sciences Workforce in the 21st Century (EMSW21), Focused Research Groups in the Mathematical Sciences (FRG), Interdisciplinary Training for Undergraduates in Biological and Mathematical Sciences (UBM), Joint DMS/BIO/NIGMS Initiative on Mathematical Biology, Innovations at the Interface with the Physical and Computer Sciences and Engineering; and Mathematical Social and Behavioral Sciences (MSBS). The Statistics and Probability Program is currently managed by four Program Directors, three of whom are rotators and one permanent NSF staff. For the foreseeable future, there continues to be a critical staffing need for the Statistics and Probability Program.

Finally, DMS is very interested in receiving research "nuggets" from the community. Nuggets are highlights of research accomplishments by NSF-funded researchers. Some examples of mathematical/statistical nuggets are NSF budget requests to the Congress (see the website above).

For more details on DMS programs and contact information, see the DMS web site at http://www.nsf.gov/div/index.jsp?div=DMS

2006 Spiegelman Award: Call for Nominations

The Statistics Section of the American Public Health Association invites nominations for the 2006 Mortimer Spiegelman Award honoring a statistician aged 40 or younger who has made outstanding contributions to health statistics, especially public health statistics. The award was established in 1970 and is presented annually at the APHA meeting.

The award serves three purposes: to honor the outstanding achievements of both the recipient and Spiegelman, to encourage further involvement in public health of the finest young statisticians, and to increase awareness of APHA and the Statistics Section in the academic statistical community. More details about the award including the list of the past recipients and more information about the Statistics Section of APHA can be found at http:// www.aphastat.org/

To be eligible for the 2006 Spiegelman Award, a candidate must have been born in 1966 or later. Please send a nominating letter and the candidate's CV to the 2006 Spiegelman Award Committee Chair, Michael Newton, Department of Statistics, University of Wisconsin, 1300 University Avenue, *Madison, WI 53706-1532* or email newton@ stat.wisc.edu. Please state in the nominating letter the candidate's birthday. The nominator should include one or two paragraphs in the nominating letter that describe how the nominee's contributions relate to public health concerns. A maximum of three

supporting letters per nomination can be provided. Nominations for the 2006 Award must be submitted by April 1, 2006.



l Annual Survey third report

Nicole Lazar summarizes the third report of the 2004 Annual Survey of the Mathematical Sciences. She writes: The Annual Survey of the Mathematical Sciences is directed by a joint committee of the AMS, ASA, IMS and MAA. The 2004 Annual Survey represents the forty-eighth in an annual series begun in 1957 by the American Mathematical Society. The 2004 Annual Survey Third Report has been published in the Notices of the American Mathematical Society. The third report features profiles of faculty and graduate students, and of enrollment and degrees awarded. Some highlights are shown below.

Full copies of all reports published since 1996 are available at http://www.ams.org/ employment/surveyreports.html.

The number of non-doctoral full-time faculty in mathematics departments (not including statistics) is estimated at 3,673, up slightly from last year. The estimated number of part-time faculty is 8,089, up from 7,338 last year. The number of full-time doctoral non-tenure-track faculty also increased slightly this year. In statistics departments, the estimated number of nondoctoral full-time faculty is estimated at 60, the estimated number of part-time faculty is 246, and the number of full-time doctoral non-tenure-track faculty is 364.

Female faculty make up from 12% to 32% of the full-time faculty in the various



types of mathematics departments. The lowest proportions are in the "Group 1 private and public" institutions. These are the 48 doctoral-granting departments with the highest rankings of the scholarly quality of their faculty. The highest proportions of female faculty are in the "Group M" and "Group B" institutions, which contain departments granting a master's or a bachelor's degree, respectively, as the highest degree. In statistics, 26% of full-time faculty is female, a higher proportion than in any of the doctoral granting mathematics departments.

In terms of faculty recruitment, there were improvements overall in the mathematical sciences. The total number of full-time doctoral positions increased by 14% compared to last year. Of the 1,721 full-time positions, 1,128 were tenure-track or tenured, an increase of 12% over the previous year. Of the 1,721 positions, 919 were open to new PhDs, an increase of 6% over last year. That is, there were more fulltime jobs available, more tenure-accruing positions available, and more options open to new PhDs, all positive trends. The situation in statistics is even brighter, with a 34% increase in the total number of doctoral positions under recruitment, a 44% increase in the number of tenure-track positions under recruitment and a 61% increase in the number of tenure-track positions open

> to new doctoral recipients. Women were 51% of the new doctoral tenure-track hires in statistics, compared to 34% last year.

Not surprisingly in light of these facts, there were also increases across the board in the percentage of new doctoral hires,

2004 Annual AMS Survey of the ASA Mathematical Sciences MAA

especially in Groups M and B. In statistics, there were 119 new full-time doctoral hires, an increase of 31%.

In mathematics departments as a whole, total undergraduate course enrollments have remained more or less steady from 1999 through 2004. In statistics, the peak of undergraduate enrollment was in 1999, followed by a severe drop in 2000, but staying more or less stable after that. Graduate enrollments in statistics have been increasing steadily since 1999; the enrollments in mathematics departments are much more variable. Across all the mathematical sciences, including statistics, the undergraduate enrollments per faculty member have been on a decreasing trend since 1999.

Approximately 67% of undergraduate degrees awarded last year in statistics were awarded to women. This compares to about 42% of undergraduate degrees awarded to women in mathematics departments. About half of the master's degrees awarded in statistics last year were to women, compared to 44% in mathematics departments.

The estimated number of full-time graduate students in mathematics departments increased from 11,997 in fall 2003, to 12,853 in fall 2004. Overall in the doctoral granting mathematics departments, the numbers of full-time graduate students, of full-time graduate students that are U.S. citizens, of full-time graduate students who are in their first year, of full-time graduate students that are U.S. citizens and in their first year, and of full-time graduate students that are female, are at their highest levels in ten years.

Warehouse Sale: IMS Lecture Notes series

IMS *Lecture Notes – Monograph Series:* all the volumes listed here are on sale for \$10 each, including shipping, for IMS members and non-members alike. Details about the volumes are at http://www.imstat.org/publications/lecnotes.htm. You can order volumes online at https://www.imstat.org/secure/orders/imsbooks.html or post a cheque: see below. *Note:* Some volumes may have slight discoloration to the cover, but all contents are intact. Sale ends December 31, 2005.

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Gentle Alternatives to Whistle-Blowing: update

Joan Sieber, Professor Emerita of Psychology at California State University, East Bay and Simmons College, wrote last year (Nov/Dec 2004) seeking your involvement in a project around the thorny problem of observing professional misconduct. She gives an update on the project, and asks for volunteers who may be willing to be interviewed.

e may disparage those who engage in scientific misconduct, but what do we do about it? We know that whistleblowing usually results in serious harm to the whistleblower. Caught off guard by the sudden knowledge that a student or colleague has breached scientific ethics, do we sadly do nothing, thinking that discretion is the better part of valor. Or do we find a way to guide the person back to ethical conduct without creating all manner of destruction to ourselves and others?

Have you ever observed a colleague or student committing a breach of research ethics? Perhaps it was as serious as making up data or claiming as one's own ideas taken from the work of someone else (a professor claiming a student's work; a grant reviewer "lifting" ideas from a proposal). Or perhaps it was as simple, and perhaps naïve, using the wrong statistic to troll for significance, or making up hypotheses to fit the data. Perhaps a student of yours engaged in an overly coercive approach to recruiting subjects. Or perhaps a well-known person stole your ideas or data. You get the idea: there are innumerable variations of research misconduct.

Did you curb your impulse to tell someone in authority lest you start the academic equivalent of World War III? Did you or others attempt to deter the ignoble researcher from committing misconduct? Mindful of the delicacy of confrontation or going to an authority, did you take a more subtle, or more collegial approach? What did you do and why? How did it work out? Do you believe you succeeded or failed to prevent scientific misconduct? Why do you think your approach worked out as it did? Would you like to know what others have done in similar situations? Would you like to have an online guide suggesting approaches you might take, depending on such factors as the power differential between you and the miscreant, the nature of the misconduct, and whether you observed it directly or were told about it by someone else?

Two colleagues (Gerald Koocher and Patricia Keith-Spiegel) and I are studying "gentle alternatives to whistle-blowing." In Part I of the project, we seek to learn the kinds and frequency of scientific misconduct scientists have observed and the frequency with which they do something about it. We will conduct that research via an online survey of scientists who currently hold certain NIH research grants. In Part II, the part described below, we will interview researchers who have an informative account to share about their experience(s) of seeking a "gentler" approach to deterring scientific misconduct. The purpose of this work is to produce an online manual describing effective and ineffective strategies.

Most researchers have a relevant experience to share. Do you? Would you be willing to be interviewed? If so, here is how the interview would be conducted:

The accounts will be gathered anonymously. You should plan to use pseudonyms, or if you disclose your identity or that of places or persons, those details will not be recorded. Data will be coded as to strategies and circumstances, to determine the contexts that spell success or failure for given strategies. We will then use combinations of related accounts and create fictitious cases to include in the manual. In other words, no names or other identifiers will be recorded and no cases, only fictionalized versions, will appear in the manual. We will keep your name and email address so that we can send you an early draft of the manual, unless you wish otherwise.

How would the interview work? First, I will send you a list of the kinds of information we seek, and ask you to plan to present your story in your own terms. You will then phone or email me to arrange for a phone interview, which may take as few as 10 minutes or as long as you want. I may ask a few probing questions if I feel you have left out important details, but the story is yours to tell on your terms. Nothing will be tape recorded. I will wear a phone headset and take notes, gathering only those kinds of details that will be useful in an analysis of factors leading to successor failure, and that will help us construct fictitious cases.

If you are interested in participating, please email me at joan. sieber@csueastbay.edu or phone me at (510) 538-5424. All who contact me, participants as well as non-participants, will receive a copy of the "*Gentle Alternatives to Whistle-Blowing*" manual. Please contact me!

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Apply for a Laha Travel Award for travel to Rio

With funds from a generous bequest by the late Professor Radha Govind Laha, IMS has established the Laha Awards to provide funds to travel to present a paper at the IMS Annual Meeting, which in 2006 will be held in the beautiful city of Rio de Janeiro in Brazil, from July 30 to August 4, 2006.

Eligibility:

First priority to students, second priority to New Researchers within 2 years of Ph.D. degree at the date of the meeting. Applicants must be members of IMS, though joining at the time of application is allowed. And student membership if free, of course: see http://www.imstat.org/membership/student.htm for details. Amount:

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

Application Contents:

Send the following via email to erg@imstat.org including the subject line LAHA TRAVEL AWARD: <last name of applicant>. Items can be sent as pdf, ps or plain text attachments.

- 1. Cover letter with contact information (including e-mail address)
- 2. 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.

- 3. For students, please include a letter signed by the advisor attesting to the fact that the student is a degree candidate. For new researchers, please include the month and year of your graduation in the cover letter.
- Two letters of recommendation. Letters should be sent directly by the recommender to erg@imstat.org using LAHA TRAVEL AWARD: <last name of applicant> in the subject line.

If electronic submission is not possible, please send items to: *Laha Travel Award Application, Institute of Mathematical Statistics, 3163 Somerset Dr, Shaker Heights OH 44122* Deadline:

All applications must be received by **February 1, 2006**. Additional Information:

Applications will be reviewed by the IMS Committee on Travel Awards, and applicants will be notified in early March. It is expected that at least eight awards will be made. The work must be that of the student (or new researcher), although it may be have been done in collaboration with an advisor or others. All applicants must submit their paper to the meeting directly (see http://imstat. org/meetings/ims2006 for more information). This travel grant award application and the meeting abstract submission are separate.



This year's Laha Award recipients, who traveled to Minneapolis. Apply now for a Laha Award to fund your travel to Rio de Janeiro: see http://www.imstat.org/awards/laha.html

OBITUARY: Peter Allan Wright

1949–2004



PETER WRIGHT, a long-time stalwart of the New South Wales Branch of the Statistical Society of Australia, and member of IMS, died

suddenly in May, 2004, at the age of 54.

Peter began his career working for the Reserve Bank of Australia but, while attending University lectures in Economics, found himself increasingly attracted to Statistics. On the completion of his Bachelor degree, he commenced a Masters degree in Statistics. While working in commerce in the 1970s, he regularly amazed his envious friends by his ability to get ever more lucrative jobs. On one occasion, he was not offered the position for which he had applied, on the grounds that it was felt he was not entirely appropriate for it; instead, he was offered a more senior position. After completing his Masters degree, Peter also gained qualifications in traffic planning.

Later he moved into academia, lecturing at the University of Technology, Sydney and completing a PhD. He then moved to a commercial consulting firm and, at the time of his death, was a senior analyst for one of Australia's leading banks.

Peter's service to the statistical profession was extensive. At various times he was Secretary, Treasurer, Webmaster and Public Affairs Officer for the New South Branch of the Statistical Society of Australia. He was particularly good at keeping the Branch's Council aware of the implications of various changes to the regulatory environment in which registered organisations must now survive. Peter presented a staid and conservative appearance to the statistical world, but there was much more to his character. Perhaps the pigtail that he wore for several years was an indication of this. He was hot-rodding a 1960 Cadillac, was addicted to heavy metal music, and had a black belt in karate. Peter was an admirer of the work of the actor Helen Mirren. He founded the Helen Mirren Appreciation Society, and handled its membership details worldwide.

Peter is survived by his wife Christine Curran, their adored Burmese cats Thelma and Louise, and his mother and sister. He is missed by his many friends and colleagues, still shocked and saddened by his untimely death.

Ken Russell School of Mathematics & Applied Statistics University of Wollongong, NSW, Australia

American Academy of Arts & Sciences: new Fellows

At an induction ceremony on October 8, the American Academy of Arts and Sciences welcomed its 225th class of Fellows. Among the new AAAS Fellows who are mathematicians are two who are also IMS members and Fellows: Thomas G. Kurtz, Paul Levy Professor of Mathematics and Statistics at the University of Wisconsin-Madison, and Gregory Lawler, professor of mathematics at Cornell University.

The 196 Fellows and 17 Foreign Honorary Members who make up the American Academy's 225th class are leaders in scholarship, business, the arts and public affairs. They come from 26 states and 10 countries and include Nobel and Pulitzer Prize laureates, MacArthur and Guggenheim fellows. A complete list of new members is available on the Academy's website at: www.amacad.org

"The Academy takes great pride in honoring the accomplishments of these outstanding and influential individuals," said Academy President Patricia Meyer Spacks. "Throughout its history, Fellows of the Academy have been dedicated to advancing intellectual thought and constructive action in America and the world. We are confident that our newest group of Fellows will help us fulfill that mission in significant ways."

New Fellows and Honorary Foreign Members are nominated and elected by current members of the Academy. Members are divided into five broad classes: mathematics and physical sciences; biological sciences; social sciences; humanities and the arts; and public affairs, business and administration. Founded in 1780, the American Academy of Arts and Sciences is an independent research center that conducts multidisciplinary studies of complex and emerging problems. With headquarters in Cambridge, Massachusetts, the Academy's work is advanced by its 4,600 elected members, who are leaders in the academic disciplines, the arts, business and public affairs from around the world.

OBITUARY: Amy Rocha

1956-2005

Аму ROCHA, a member of the Institute of Mathematical Statistics, lost a valiant battle with cancer on June 13, 2005. She was 48. Dr Rocha was an associate professor at San Jose State University in the department of mathematics.

Amy Rocha was born September 18, 1956 in Kearny, NJ, to Robert and Laura Rocha. Amy graduated with highest honors (Phi Beta Kappa; Pi Mu Epsilon) from Rutgers University in 1978, receiving a BA in Mathematics. She received an MS in Mathematics from Stanford University in 1982 and a PhD in Mathematics from Stanford in 1988. Her thesis advisor was Professor JB Keller. Her PhD thesis was entitled, "Some Variations on the Secretary Problem".

After one year as an assistant professor at the University of San Francisco, Dr Rocha arrived at the Mathematics Department at San Jose State University in the Fall of 1989. She was a popular teacher of probability and statistics who incorporated technology in her classes. Dr Rocha was also in the forefront of the calculus reform movement in our department. Amy was selected by the Golden Key Honor Society as an outstanding teacher.

Amy Rocha's main research focus was in the area of probability. Some of her work on the Secretary problem was published in the *Annals of Probability*, one of the premier journals in probability. She also had publications in other journals related to variations of the gambler's ruin problem. In addition, Dr Rocha authored work on the use of Maple software in the classroom. Dr Rocha was very active in the California Faculty Association, which bargains for faculty rights and benefits. Amy was a passionate activist against the budget cuts to the CSU system. She would attend lobby days in Sacramento and work for political candidates sympathetic to the cause of higher education.

Her colleagues describe her as one of their favorites. Amy Rocha was an active member of the Loma Prieta Chapter of the Sierra Club,

enjoyed hiking, gardening, opera, ballroom dancing, and reading Harry Potter books. Fluent in French and Italian, Rocha was an avid international traveler.

She is survived by her parents; two brothers, Robert and Richard; two sisters, Deborah Rocha and Emily Stone; two nieces Rosei Rocha-Judd and Nicole Stone; and one nephew, Justin Stone; and also by her many caring friends and co-workers.

Those who want to honor her memory are invited to make a contribution to the American Cancer Society.

> Bradley Jackson Chair, Department of Mathematics San Jose State University

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)

DISTINGUISHED ALUM AWARD OF THE DEPARTMENT OF BIOSTATISTICS AT HARVARD SCHOOL OF PUBLIC HEALTH

Nominations are currently being accepted for the Harvard Biostatistics Distinguished Alum Award. This award is bestowed annually upon an individual in government, industry, or academia, who by virtue of applications to support research, methodology and theory, significant organizational responsibility, and teaching, has impacted the theory and practice of statistical science. The overall career of the individual is considered with an emphasis on how the nominee has used their experience to bring out the best in life with research and academics. The award recipient will be invited to deliver a lecture on their career and life beyond the Department at the Harvard School of Public Health, for the primary benefit of our students. The recipient will also be presented with a plaque. Previous awardees were Stuart Baker (1984) of the National Institutes of Health (2004) and Christl A Donnelly (1992) of the Department of Infectious Disease Epidemiology, Imperial College London (2005). Professor Donnelly presented a lecture on June 1, 2005 at Harvard School of Public Health entitled "The Science/Public Policy Interface: Fertile Ground for Biostatisticians at Harvard University".

Nominations for the award, to be given on May 31, 2006, should be sent to the *Distinguished Award Committee, Dept. of Biostatistics, Harvard School of Public Health,* 655 Huntington Ave., Boston, MA 02115.

Nominations should include a letter describing the contributions of the candidate, specifically highlighting the criteria for the award, and curriculum vitae. Supporting letters and materials are welcome but not required.

The deadline for submission of nominations is January 15, 2006.



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Lecture Notes in Statistics	18
Adrian Baddeley - Pablo Gregori Jorge Maten - Radu Stoica Denrich Storan (Talliare)	5
Case Studies in Spatial Point Process Modeling	
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Case Studies in Spatial Point Process Modeling

A. Baddeley, University of Western Australia, Crawley, Australia; P. Gregori, Universitat Jaume 1 of Castellon, Casetellon, Spain; J. Mateu, Universitat Jaume 1 of Castellon, Casetellon, Spain; R. Stoica, Universitat Jaume 1 of Castellon, Casetellon, Spain; D. Stoyan, Freiberg University of Mining and Technology, Freiburg, Germany (Eds.)

Researchers, spatial statisticians and scientists from biology, geosciences, materials sciences and other fields

will use this book as a helpful guide to the application of point process statistics. No other book presents so many well-founded point process case studies.

This book is focused on case studies, rather than methodological aspects of point process modelling.

2005. Approx. 320 p. 110 illus. (Lecture Notes in Statistics, Prelim.entry 185) Softcover ISBN 0-387-28311-0 ► € 49,95 | £ 38.50



Models for Discrete Longitudinal Data

G. Molenberghs, Limburgs Universitair Centrum, Diepenbeek, Belgium; G. Verbeke, Hasselt University, Leuven, Belgium

Contents ► Motivating Studies ► Generalized Linear Models ► Linear Mixed Models for Gaussian Longitudinal Data ► Model Families ► The Strength of Marginal Models ► Likelihood-based Models ► Generalized Estimating Equations ► Pseudo-likelihood ► Fitting Marginal Models with SAS ► Conditional Models ►

Pseudo-likehood ► From Subject-Specific to Random-Effects Models ► Generalized Linear Mixed Models (GLMM) ► Fitting Generalized Linear Mixed Models with SAS
Marginal Versus Random-Effects Models
Ordinal Data ► The Epilepsy Data ► Non-linear Models ► Psuedo-likelihood for a Hierarchical Model ► Random-effects Models with Serial Correlation ► Non-Gaussian Random Effects ► Joint Continuous and Discrete Responses ► High-dimensional Multivariate Repeated Measurements ► Missing Data Concepts ► Simple Methods, Direct Likelikhood and WGEE ► Multiple Imputation and the Expectation-Maximization Algorithm
Selection Models
Pattern-mixture Models ► Sensitivity Analysis ► Incomplete Data and SAS

2005. XXII, 690 p. 61 illus. (Springer Series in Statistics) Hardcover ISBN 0-387-25144-8 ► € 64,95 | £ 50.00



Statistical Monitoring of Clinical Trials

Fundamentals for Investigators

L. A. Moyé, University of Texas School of Public Health, Houston, TX, USA

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Looking forward conditional power ► Safety and futility ► Bayesian statistical monitoring.

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Robust Change Detection
Nonlinear Time Series Models ► Copulas ► Continuous-Time Models for Financial Time Series ► Generalized Method of Moments
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Letter to the Editor

Letters on any issue of interest to IMS members are welcome. Email your letters to the Editor at bulletin@imstat.org. Some small print: the Editor's decision is final; we may edit your letter before publication; publication does not necessarily imply endorsement of the opinions expressed therein, and the *IMS Bulletin* and its publisher do not accept any responsibility for them.

Dear Editor

As a textbook author, I wish to respond to Tom Liggett's letter in the August/September *Bulletin* expressing displeasure with publishers who produce *n*th editions of textbooks for n>3. It is indeed true that for even moderate *n*, such editions are perhaps too often justified more by economics than by improvements in exposition or content. In the absence of other factors, I would surely prefer a 5–6 year revision cycle to the 3–4 year cycle that is customary for introductory books.

But I also think authors and publishers deserve a fair return for their effort and investment. There are indeed a few big winners—those who write *the* best selling calculus or business statistics text, for example. Unfortunately for many authors the rewards from writing a book

are not commensurate with the years of arduous work it takes to produce one. A major reason for this is the voracious used-book industry. Consider what happens when a new edition of one of my books appears. If I'm lucky, sales are quite good the first semester or quarter. Then there is typically a precipitous decline as used books begin to flood the marketplace. My book could end up being used by a succession of five or more students in just three years without any more revenue accruing to me or the publisher. I'm hard put to think of another commodity for which this occurs.

Furthermore, many faculty members sell examination copies of books, which can significantly impact first term sales. My publisher has told me about schools that adopted my book and requested desk copies for instructors even while no new copies of the book were sold by the school's bookstore – all demand was filled with used copies. When I was a student, a used copy on the shelf of the campus bookstore had been sold back by a student at that campus. Now a used copy on the shelf at UCLA might have come from NYU, the University of Florida, or Michigan State. And I'm not talking just about low-level texts for service courses. I recently visited the bookstores at both Berkeley and Stanford, and saw used copies of the probability book by Durrett and the mathematical analysis book by Rudin! Why on earth would students get rid of such books?

I do indeed regret that textbook prices are so high. But many students sell their books for 50% of the new price and buy for 75% of that price. So the financial hit is not as bad as might first seem to be the case. And a new text is still a lot cheaper than a front row seat to see the New York Knicks play or hear The Rolling Stones – and continues to give pleasure for a lot longer.

Sincerely, Jay Devore

> Professor and Chair, Department of Statistics Cal Poly State University, San Luis Obispo

Dear Editor

I was shocked to read in your October 2005 issue (p.14) that Professor Leo Breiman had died on July 5. Unfortunately, as pointed out by my colleague Charles Hagwood, the date listed in the heading is wrong. It should be 1928-2005, not 1918-2004. [*Sorry about that - Ed*]

As aptly put in the article, Professor Breiman had a big influence in the last two decades in shaping the direction of modern statistics. His and collaborators' work in high-dimensional data analysis has filled a void in statistics and has built crucial links between the statistical and the computer science community at a critical time when data mining seemed to take over the data analysis business. Today, thanks in large part to Leo Breiman and other pioneers who opened up the field of statistics, statistics as a profession seems to be in a very enviable position.

Statisticians, especially young, have been made to realize the importance of dealing with large data sets, for example, by Breiman's famous paper, "A Tale of Two Cultures" in *Statistical Science*, and have now taken on the challenges and exciting opportunities of tackling large data sets from real problems.

Statistics has probably experienced another rebirth since 1920s in the RA Fisher era. We certainly hope that the modern statistical renaissance inspired by professor Leo Breiman and others will continue. While Breiman spent most of his life building trees and later on (random) forests, I think another of his achievements is equally remarkable: his 'gospel' of developing relevant and algorithmic statistics has influenced a generation of young statisticians.

The statistical community has lost a frank and conscientious teacher and one of the most original thinkers in our profession. Sincerely,

ZQ John Lụ

Statistical Engineering Division, ITL National Institute of Standards and Technology

I Terence's Stuff: Interdisciplinary Research

Terry Speed considers why you might want to get involved with interdisciplinary statistical research, and how to start.



First, a definition: by interdisciplinary statistical research, I mean research which involves statistics but is driven by considerations other than statistics. The strategies that I've recognized for getting involved in such collaborations are the random and the targeted.

The random strategy begins with statistical consulting, which frequently leads to the possibility of a longer-term collaboration. If you have helped someone in some small part of their research, they may want to broaden that into a collaboration. You have learned a little about the nature of their research, and them as possible collaborators, so you are in a good position to decide whether or not you want do more with them. This is one way to begin interdisciplinary statistical research. It is random from the point of view of timing, because you can't really control who comes to you for assistance. But it is not random from the point of view of outcome, since you can accept or decline offers of collaboration as you wish.

The targeted approach has you taking the initiative, and needs more care. Suppose that your university has some top astrophysicists, and that you want to work with them. You are interested in the area, you know they are good at it, and you think there are challenging statistical opportunities there. Why is care needed? Because you want to collaborate with them in order to achieve your goals, not to help them achieve theirs. Think about it from their perspective. Why would they want to spend time and possibly resources on you? Do you already have a good understanding of astrophysics, or do you expect them to help you gain this? What were they doing with their statistical problems before you appeared? How will they continue after you leave? Good research groups usually find ways of dealing with every problem they meet, including locating or inventing the necessary statistical methods. Of course you might be able to improve their research: that's your possible attraction. Even if it seems like a good idea to them to welcome you, getting to the point where you are entrusted with their data can take tact and patience on your part.

Why am I mentioning these issues? Because I have seen a number of instances in which a statistician decided that they wanted to get involved in interdisciplinary research with a particular group, but got nowhere.

You might hope that the research group of your interest would embrace you as soon you appear, but this may not always be so. It will not always be best to start with relatively little understanding of the subject, saying, in effect, "I think I can help you. Please give me your data, and I'll apply my novel statistical methods to it. Trust me, this will be good for your research." Even if you have a good understanding of their subject, and plenty to offer, they may have existing collaborations which satisfy them. Strategies which can increase the probability that the targeted approach will work include your learning the field before showing your hand, especially becoming familiar with your target's research. Another is attending their public presentations, perhaps asking questions, in essence establishing yourself as one genuinely interested in their research. Offering to carry out some low-level tasks which are within your capacity, which make few or no demands on them, and involve no future commitments

can help too. Perhaps later you might ask if you can sit in on their group meetings to learn, and to see if there are ways in which your knowledge and expertise could help them.

I may be dwelling too much on getting started. After all, you might have been introduced to the research group and immediately welcomed. Even so, there are still some considerations. First and foremost, you must be genuinely interested in the subject matter of the interdisciplinary research. If this isn't true, don't bother trying. Secondly, your goal must be to do what is good for the research, not what is good for you as a statistician. All too often I have seen statisticians view collaboration as an opportunity to promote their own original contributions. This might be just what is needed, but not always. Lastly, you must be sensitive to the ways in which many issues - confidentiality, priority, publication, authorship, citation, acknowledgments - are dealt with by your collaborators. They may have a different perspective from you on some of these matters.

Think of yourself as a traveller in a foreign country, one who is keen to learn a little of the language and culture, and possibly to leave something good behind you before you return home. Perhaps in time you will be able to pass as an inhabitant, and be able to answer questions from locals. Then it will be clear that your interdisciplinary collaboration has been a success.



Interdisciplinary Statistical Research: a view from China

Professor Xizhi Wu, Renmin University of China in Beijing, gave a talk at the joint meeting of IMS and the Chinese Society of Probability and Statistics (CSPS), which took place in Beijing on July 9–12, 2005. His talk was in a panel session "Panel on interdisciplinary research".

Statistics in China, according to the official classification, has two official labels: one under economics; the other, bound with probability, under mathematics. So statistics is not an independent discipline in China and does not have enough freedom. Official recognition, which closely correlates with the resources assigned, is essential to a discipline. The fate of statistics and statisticians very much depends on the mercy of mathematicians or economists (including political economists).

Statistics under economics is severely affected by politics or ideology

This situation is inherited from the era of planned economy of China, influenced by the doctrine of the Soviet Union. At that time, the statistics by our current definition was considered evil and capitalist. Part of statistics, mathematical statistics, survived by hiding behind pure mathematics under the name of applied probability. The label of statistics then was granted to Leninist doctrine serving the planned economy requiring mathematics below the level of elementary school.

Statistics 'seriously misunderstood' by public

This misfortune for statistics in China has lead to misunderstandings about what is statistics by common Chinese including most enterprise bosses. Most people still think of statistics as being part of paperwork in bureaucracy, and as a discipline that needs only elementary arithmetic. Unfortunately some "statisticians" also think so. According to a college textbook in Chinese, *Principle of Statistics* (2003, 5th ed, Ji-Nan University Press, ISBN 7-81029-0738/C.2) written by some senior economic statisticians, "The theoretical basis of statistics includes Marxism-Leninism, Mao Tse-Tung thoughts and Deng Xiaoping ideology, plus probability and mathematical statistics."

At the mercy of mathematicians

On the other hand, the mathematical statisticians in China are at the mercy of mathematicians. Their future prospects, including promotion and getting funding, is mostly determined by mathematicians. I wonder how many pure mathematicians consider analyzing some data sets is good mathematics and enjoy the "beauty" of statistics, no matter how much mathematics is involved. Where is the freedom of a discipline without its independence? As an aside, the funding for statistics from the National Science Foundation of China was ultimately determined by a committee of mathematicians: among the (approximately) 25 committee members, there is only one statistician (1/25=0.04, significantly low).

Subjects of bureaucratic rules

Statisticians in Chinese Universities or other institutes are only subjects of a bureaucratic system. Most professors have to publish a certain number of papers in specified journals each year in order in to get their full payment (universities in China do not have tenure!) and most PhD students also have to do so to get their degrees. This "quantitative qualification" policy is very harmful to serious researches especially to those applied ones.

Fame can hardly established by applied research for statisticians

Statisticians worldwide have rarely established their fame by their applied research but rather by the beauty of mathematics in their works, because only mathematics seemed to be able to determine one's intelligence level. Therefore most well-known statisticians established themselves via mathematics at least in their early research years as a kind of intelligence test, and then being well-known, they could be trusted by people of other fields.

The challenge

So, statisticians in China have to strive for the independence of statistics in order to obtain freedom and resources. They have to popularize statistics to overcome the misunderstandings of the public and to win clients, as well as students. They have to change the negative images in the eyes of mathematicians if statistics cannot 'leave' mathematics. They have to change the unfriendly environment of bureaucratic rules. Of course, applied statisticians have to get used to the poker faces of the theoryloving editors among other sacrifices.

One thing is for sure, making applied statistics (as opposed to statistics applications) an attractive option in China is a long-term endeavor. We welcome support from the international statistical community.

Xizhi Wu in front of a Buddhist temple in Nanjing City, former capital of many Chinese dynasties



IMS Meetings around the world

IMS Annual Meeting 2006 with the X Brazilian School of Probability (X EBP)

The 2006 IMS Annual Meeting will be held jointly with the 10th Brazilian School of Probability (XEBP) at IMPA (Instituto Nacional de Matemática Pura e Aplicada), Rio de Janeiro, Brazil from July 30 to August 4, 2006.

Co-Program Chairs for Statistics: Günther Walther, Stanford University, and Sara van de Geer, University of Leiden. *Co-Program Chairs for Probability:* Steve Lalley, University of Chicago, and Robert Adler, Technion-Israel Institute of Technology. *Local Chair:* Maria Eulália Vares, Centro Brasileiro de Pesquisas Físicas.

Details will be added to the conference website at http:// www.imstat.org/meetings/IMS2006/ as they become available.

XEBP Mini-courses: Yuval Peres (UC Berkeley) "Determinantal processes and zeros of Gaussian analytic functions"; Murad Taqqu (U Boston) "Self-similarity and long-range dependence" Invited Speakers: Vincent Beffara (ENS Lyon); J van den Berg (CWI); Stella Brassesco (IVIC); Donald Dawson (Carleton Univ); Paul Dupuis (Brown Univ); Vlada Limic (UBC); Jim Pitman (UC Berkeley).

Rio de Janeiro

Rio de Janeiro is a cosmopolitan metropolis, known worldwide for its scenic beauty and its natural resources. Beaches such as Copacabana and Ipanema, the Corcovado statue, the stadium of Maracaná and Sugar Loaf Mountain are all well-known sights of what its inhabitants call the "wonderful city" (*cidade maravilhosa*).

Rio is one of the most densely populated places on earth: around 6 million people live in the city, many in the *favelas* which cling precariously to the sides of the mountains surrounding the city.

As a tourist you can take a look at Rio's ritzy side - there are innumerable opportunities to be decadent. But Rio also has much to offer the budget traveller. There are cheap hotels and restaurants aplenty, and the beach is a free entertainment zone!

JSM Seattle 2006

Join the largest international gathering of statisticians in the world. Each year, the Joint Statistical Meetings offer cutting-edge presenters for four days of Technical Sessions, Roundtable Sessions, Continuing Education Courses, Computer Technology Workshops, and Poster Sessions, as well as the Career Placement Service, Exhibitors, and Marketplace. Attendees can network at several receptions, stay in touch at the Cyber Café and Message Center, and enjoy business, committee, and social meetings.

JSM (the Joint Statistical Meetings) is held jointly with IMS, ASA, the International Biometric Society (ENAR and WNAR), and the Statistical Society of Canada. Attended by over 5000 people, activities of the meeting include oral presentations, panel sessions, poster presentations, continuing education courses, exhibit hall with state-of-the-art statistical products and opportunities, career placement service, society and section business meetings, committee meetings, social activities, and networking opportunities. Seattle is the host city for JSM 2006 and offers a wide range of possibilities for sharing time with friends and colleagues. For information,

contact jsm@amstat. org or phone toll-free (800) 308-8943. **Key Dates**

December 1, 2005-

February 1, 2006



Online Submission of contributed abstracts.

February 1, 2006 Last day to submit abstracts online.

March 31, 2006 Preliminary Technical Program available online for viewing with search capabilities.

March 31 - April 16, 2006 Presenters can make revisions to abstracts for final publication.

May 1, 2006 Registration materials and Hotel reservations available on the JSM web site.

May 31, 2006 Preliminary program posted on the JSM web site in a downloadable PDF file.

May 19, 2006 Draft manuscripts due to session chairs.

June 30-July 20, 2006 Advance Registration (increased fees apply).

July 7, 2006 Hotel reservations deadline.

July 14, 2006 Downloadable PDF version of the Final Program available on JSM web site.

August 5-10, 2006 Onsite registration (increased fees apply)

IMS Meetings around the world

IIPDATED

IMS co-sponsored meeting

Statistical Models for Biomedical and Technical Systems

May 29–31, 2006 Limassol, Cyprus IMS Rep: Filia Vonta w http://www.ucy.ac.cy/biostat2006 Call for Papers:

Deadline for submission of extended abstract (4-6 pages, in English): February 15, 2006.



The conference will provide a forum for presenting new statistical models and mathematical methods for Survival Analysis, the Reliability of Engineering and Technical Systems as well as the Reliability of Biological and Biomedical Systems. The Conference is organized by the University of Cyprus and the Seminaire Européen – European Seminar "Méthodes Mathématiques pour l' Analyse de Survie, Fiabilité et Qualité de Vie".

The meeting will be held at the Beach Hotel Miramare Bay Resort, in the seaside town of Limassol, Cyprus http://www.miramare.com.cy/

The topics at the meeting will include: Epidemiology of Cancer Risk and Environmental or Nutrition Factors; Statistical Models and Methods in Epidemiology; Semi-Markov Processes with Applications; Generalizations of the Cox Regression Model; Statistical Models and Methods in Reliability; Probabilistic Models in Reliability; Semiparametric Inference in Survival Analysis; Models and Methods in Longevity, Aging and Degradation; Models and Methods in Survival Analysis; Models in Biosciences and Medicine; Accelerated Life Models; and Analysis of Quality of Life

UPDATED

For further information, please contact the conference organizer, I Vonta: Department of Mathematics and Statistics, University of Cyprus, CY-1678 Nicosia, CYPRUS Phone: (357) 22892625; Fax: (357) 22892601; email: biostat2006@ucy.ac.cy

IMS co-sponsored meeting

Statistical Challenges in Modern Astronomy IV June 12–15, 2006

The Penn State University, University Park, PA, USA

w http://astrostatistics.psu.edu

IMS Rep: G Jogesh Babu e babu@stat.psu.edu

The fourth in a series of interdisciplinary international research conferences, SCMA IV will be held during June 12-15, 2006 at

the Pennsylvania State University, University Park, USA. It will follow the **2nd Summer School in Statistics for** Astronomers & Physicists (June 5–9, 2006).

Astronomy at the beginning of the 21st century, and particularly research arising from wide-field survey observatories at various wavebands, finds itself with serious challenges in statistical treatments of data to achieve its astrophysical goals. A vast range of statistical problems arise in the scientific interpretation of astronomical studies involving sampling, multivariate and survival analysis, image and spatial analysis, signal processing and time series analysis, nonlinear regression, and more.

Funding for young researchers: Some funds are available to support registration and partial travel costs of graduate students and young researchers at U.S. institutions to the SCMA IV research conference. Contact Eric Feigelson prior to February 1, 2006 to apply for this funding. Please give your full name, institution & educational status; briefly describe your research interests; state whether you intend to present a contributed poster paper at SCMA IV; and outline your travel funding situation.



At a glance:

forthcoming IMS Annual Meeting dates

2006 IMS Annual Meeting:

Rio de Janeiro, Brazil, **July 30–August 4, 2006**. With X Brazilian School of Probability (XEBP) http://www.imstat.org/ meetings/IMS2006/

JSM: Seattle, August 6-10, 2006. IMS Program Chair: Chris Genovese; IMS Contributed Paper Chair: Jennifer Hoeting http://www.amstat. org/meetings/jsm/2006/

2007 IMS Annual Meeting @

JSM: Salt Lake City, July 29–August 2, 2007

2008 IMS Annual Meeting:

Singapore, **July** 20–26, 2008. With VII Bernoulli World Congress.

JSM: Denver, August 3–7, 2008.

2009 IMS Annual Meeting @ JSM: Washington, August 2–6, 2009.

2006 Summer Research Conferences: Snowbird, Utah

2006 Joint AMS-IMS-SIAM Summer Research Conferences Snowbird Resort, Snowbird, Utah June 4–29, 2006

The 2006 Joint Summer Research Conferences will be held at the Snowbird Resort (http://summer.snowbird.com/ pages/home/default.php) from June 4 to June 29, 2006. The topics and organiz-





ers for the conferences were selected by a committee representing the American Mathematical Society (AMS), the Institute of Mathematical Sciences (IMS), and the Society for Industrial and Applied Mathematics (SIAM).

It is anticipated that the conferences will be partially funded by a grant from the National Science Foundation and perhaps others. Particular encouragement is extended to junior scientists to apply. A special pool of funds expected from grant agencies has been earmarked for this group. Other participants who wish to apply for support funds should so indicate; however, available funds are limited, and individuals who can obtain support from other sources are encouraged to do so.

All persons who are interested in participating in one of the conferences should request an invitation by sending the information required (see list at http://www. ams.org/meetings/srco6.html) to *Summer Research Conferences Coordinator, AMS, P.O. Box 6887, Providence, RI 02940*, or by email to wsd@ams.org no later than March 3, 2006.

2007 Summer Research Conferences: Call for Proposals

The American Mathematical Society, the IMS, and the Society for Industrial and Applied Mathematics welcome proposals from mathematicians, either singly or in groups, for conferences to take place in the summer of 2007 as part of the Joint Summer Research Conferences. For over 25 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.

Individuals willing to serve as organizers should be aware that staff of the sponsoring societies handles the logistical details of the conferences, thus making it possible for the organizers to focus almost exclusively on the scientific aspects of their conference. **Proposal Preparation**

Proposals will be evaluated by the AMS-IMS-SIAM Committee on Joint Summer Research Conferences in the Mathematical Sciences. Members of this committee are willing to provide guidance on the preparation of proposals. Proposal preparation is straightforward. Details on the requirements and submission process are available at http://www.ams.org/meetings/src.html **Proposal Deadlines**

For conferences to be held in the summer of 2007, the deadline for submission is January 16, 2006. Conference proposers will be notified of the committee's decisions in early spring.

Sample Proposals are posted at http:// www.ams.org/meetings/topics.html under sample proposals.

Send to

Submit pre-proposals and proposals to: Joint Summer Research Conferences, AMS Meetings and Conferences Department, P.O. Box 6887, Providence, RI 02940; fax: 401-455-4004; email: meet@ams.org. Electronic submissions are preferred.

Questions

Contact Dr. Jim Maxwell, AMS Associate Executive Director, via email (jwm@ams. org) or phone (401-455-4101).



nowbird Lodge. Credit: Eric Schramm/Snowbird

IMS co-sponsored meeting:

Workshop on Frontiers of Statistics May 18–20, 2006 Princeton, NJ

w http://www.orfe.princeton.edu/conferences/frontiers/index.htm IMS Reps: Jianqing Fan, Luisa Fernholz, Hira Koul The work intends to bring top and junior researchers together to define and expand the frontiers of statistics. It provides a focal

venue for top and junior researchers to gather, interact and present their new research findings, to discuss and outline emerging problems in their fields, and to lay the groundwork for fruitful future collaborations. A distinguished feature is that all topics are in core statistics with interactions with other disciplines such as biology, medicine, engineering, computer science, economics and finance. Topics include:

Nonparametric inference and machine learning

- Longitudinal and functional data analysis
- Nonlinear time series, Financial econometrics
- Computational biology, genomics and survival analysis
- MCMC, Bootstrap, robust statistics
- Experimental design and industrial engineering

Travel support: There is financial assistance available for graduate student, post-doctoral fellows, and junior scholars to contribute to their expenses such as housing or travel or registration. Download an application form from the website.

Check the IMS meetings pages at http://www.imstat.org/meetings for regular updates

IMS co-sponsored meeting:

Probability Summer School June 26 - July 7, 2006 Ithaca, NY Details to follow...

IMS co-sponsored meeting: 2006 ENAR/IMS Spring Meeting: March 19-22, 2006

Hyatt Regency, New Orleans, TA w http://www.enar IMS configure 1000 Cosorok and Jason Figure 1000 Cosorok Madison

IMS co-sponsored meeting:

2007 ENAR/IMS Spring Meeting April 15-18, 2007

Fountainebleau Hilton Resort Miami, FL **w** http://www.enar.org/meetings.htm

IMS co-sponsored meeting:

Frankfurter Stochastik-Tage / German Open Conference on Probability and Statistics March 14–17, 2006

Goethe-University Frankfurt/Main, Germany

w http://stoch2006.math.uni-frankfurt.de/index_en.html



IMS Reps: Norbert Henze, Arnold Janssen, Christine Mueller, Axel Munk, Rainer Schwabe, Anton Wakolbinger

This conference is held every two years by the Fachgruppe Stochastik of the German Mathematical Society. It provides a forum for participants from universities, business, and industry to discuss new results in the area of probability and statistics. The conference languages are English and German.

The Frankfurter Stochastik-Tage are co-sponsored by the Bernoulli Society for Mathematical Statistics and Probability and the IMS.

Previous meetings were held in Marburg (1993), Freiberg (1996), München (1998), Hamburg (2000), Magdeburg (2002) and Karlsruhe (2004).

Contact: Frankfurter Stochastik-Tage 2006, German Open Conference on Probability and Statistics, c/o Prof. Dr Götz Kersting, Goethe-Universität Frankfurt, ISMI - Institut für Stochastik & Mathematische Informatik, Robert-Mayer-Str. 10, D-60325 Frankfurt, Germany. **f** 0049-(0)69-798 23881; **t** 0049-(0)69-798 22644/28651; **e** stoch2006@math. uni-frankfurt.de

IMS sponsored meeting:

their Applications

July 17-21, 2006

Paris, France

31st Conference on Stochastic Processes and



w http://www.proba.jussieu.fr/pageperso/ spao6/index.html

IMS reps: Edwin Perkins, Jim Pitman, Philip Protter, Alain-Sol Sznitman, Simon Tavaré and Ed Waymire. Featuring two IMS Medallion Lectures, from Rick Durrett and Michel Ledoux, and a Levy Lecture from Hans Föllmer. Other invited speakers are Nicole El Karoui, Nicolas Fournier, Harry Kesten, Zeng Hu Li, Sean Meyn, Thomas Mikosch, Elchanan Mossel, Jaime San Martín, Marta Sanz-solé, Terry Speed, Maria-Eulália Vares, Cédric Villani and Bálint Virág.

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ENAR/IMS Spring Meeting moves to Tampa

2006 ENAR Spring Meeting Hyatt Regency Tampa Tampa, Florida March 26-29, 2006

w http://www.enar.org/meetings.htm IMS co-program chairs: Michael Kosorok and Jason Fine, University of Wisconsin-Madison

The 2006 Spring Meeting of the Eastern North American Region (ENAR) of the International Biometric Society (IBS) with IMS and Sections of the ASA has been moved from New Orleans to Tampa, Florida. Please note that it will occur one week later than originally planned, and will now be held Sunday, March 26th, through Wednesday, March 29th. The Workshop for Junior Researchers will be held the day before (Saturday, March 25th). The Fostering Diversity Workshop and ENAR Short Courses will be on Sunday, before the opening (evening) poster session and dessert reception.

All the previously published deadlines remain the same (November 1 – Student paper competition and Workshop for Junior





Researchers application deadline; November 15 –abstract submission deadline; February 20 – early registration deadline). The preliminary program, which includes the listing of short courses, tutorials, invited sessions and other key information, is being updated now to reflect the needed changes and will be mailed to you shortly. The abstract submission and meeting registration website (www.enar.org) will go live when the preliminary program is mailed.

Some of you will remember that we held the 2003 Spring meeting in Tampa at the Marriott Waterside. If you attended, you would have experienced a great meeting, gorgeous Spring weather, and hopefully a bit of the local culture – such as the Tuesday evening dinner/music/dancing cruise around the Bay. While we cannot guarantee perfect weather in 2006, the probability of such is high. We can, however, present you with a terrific scientific program in a great hotel located close to that Marriott in the heart of the financial and arts districts (http://tamparegency.hyatt.



com/property/index.jhtml). We are even able to again offer the Starship Dining Yacht dinner cruise on Tuesday night.

In the wake of the destruction and upheaval caused by Hurricane Katrina, we have been inconvenienced by the logistics of moving the meeting, but this is trivial compared to what so many have faced and will continue to face. We would like to publicly thank our Executive Director, Kathy Hoskins, and all of those working with her, on the excellent job they did to find us such a great meeting location so quickly. We also greatly appreciate the efforts our invited speakers are making on our behalf to rearrange their schedules to accommodate the change in dates. We know this is very difficult for some of them, and we are grateful that they are making us a priority. Finally, we hope that you, too, will be able to make the adjustments necessary to come to the meeting. We encourage you to make your travel reservations early, in light of Spring Break travel to Florida, and we look forward to seeing you there.

The co-chairs of the IMS program at ENAR are Michael Kosorok and Jason Fine (University of Wisconsin, Madison). They report: The invited program consists of a medallion lecture to be given by Larry Brown (U. Pennsylvania) and seven additional sessions with the following topics and organizers: "Nonstandard Likelihood Inference" (Moulinath Banerjee, U. Michigan), "Dimension Reduction" (Denise Cook, U. Minnesota), "Applications of Survival Analysis in Genetic Epidemiology" (David Glidden, U. California, San Francisco), "Recent Advances in Mixture Models" (Bruce Lindsay, Pennsylvania State), "Bayesian Model Selection" (Adrian Raftery, U. Washington), "Spatiotemporal Statistics" (Richard Smith, U. North Carolina, Chapell Hill), and "Recent Developments in False Discovery Rates" (Jonathon Taylor, Stanford). There are also three joint ENAR/IMS invited sessions: "Fusing Biomedical/Environmental Data with Numerical Models" (Dennis Boos and Montserrat Fuentes, North Carolina State), "Inference in the Presence of Non-Identifiability: Applications to the Analysis of Coarse Data" (Daniel Scharfstein, Johns Hopkins) and "Recent Advances in Association Analysis for Multivariate Failure Time Data" (Joanna Shih, National Cancer Institute).

VNAR/INS 2006 at 7,000 feet! June 27–30, 2006 www.math.nau.edu/whar/

Northern Arizona University in Flagstaff, AZ, is hosting the 2006 WNAR/IMS meeting (Western North American Region of the International Biometrics Society and the Institute of Mathematical Statistics)

Short Course, June 27 Statistical Methods for Analysis of Missing Data XH Andrew Zhou, University of Washington

WNAR Presidential Invited Address: "(Data) Size Does Matter, but you might be in for a surprise..." Xiao-Li Meng, Harvard University

Sample of Invited Sessions Mixture Models in Genetic and Genomic Studies; Statistical Methods in Functional Imaging; Spatial Aspects of Design-Based Samples in Model-Based Estimation; New Methods for Sample Size Calculation Activities for New Researchers Student paper competition

New researchers' luncheon

New researchers' session on longitudinal data analysis

Traveling to Flagstaff America West offers flights to Flagstaff, or fly to Phoenix and take the shuttle. Amtrak trains serve Flagstaff. Some student travel awards are available.

Join our societies! WNAR: www.wnar.org IMS: www.imstat.org



Other Attractions Conference banquet

Textbook publishers' booths

Comfortable weather, with daily highs around 82°F, and less than half an inch of rain in June

The Grand Canyon. The San Francisco Peaks. Walnut Canyon. The Painted Desert. Wupatki. Sunset Crater. Oak Creek. Sedona. Meteor Crater. Lowell Observatory.

And a whole lot more!



Main photo above: Grand Canyon from Pima Point, West Rim Drive [US National Park Service (NPS) photo]. Below: Ponderosa pine forest around Flagstaff [Oregon State University, Dept of Botany and Plant Pathology]; Wupatki National Monument [NPS]; California Condor [Mark Lellouch, NPS]; Walnut Canyon [NPS]; Sunset Crater [NPS]



Other Meetings Around the World: Announcements and Calls for Papers

Travel Support: International Biometrics Conference July 16-21, 2006 Montreal, Canada



http://www.ibc2006.org

Funding is anticipated from Federal funding agencies for travel support for US-based academic scientists who are young investigators or have an official capacity, to attend the upcoming 23rd International Biometrics Conference to be held in Montreal Canada, July 16-21, 2006. Women, minority, and other traditionally underrepresented investigators are especially encouraged to apply.

Persons who wish to be considered for such support should contact

Lynne Billard, Department of Statistics, University of Georgia, Athens, GA 30602 phone: 706-542-3281; FAX 706-542-3391; Email: lynne@stat.uga.edu

Please provide details such as your role (invited speaker, contributed paper, session organizer, committee member, etc.), an estimate of your anticipated expenses, and a brief vita; also indicate whether or not you have applied elsewhere for support and give relevant details. Young investigator applicants should also provide a brief statement indicating how they feel attending this IBC will enhance their careers. This information should be received by May 1, 2006 (at the above address; electronic applications will be sufficient), but preferably as soon as possible.

Further information about the IBC 2006 can be found at the website above. end meeting announcements to erg@imstat.org

Annual Meeting of the Classification Society of North America (CSNA06):

Network Data Analysis and Data Mining: Applications in Biology, Sociology, Computer Science, Intrusion Detection, and Related Areas May 10-13, 2006



DIMACS Center, Rutgers University, Piscataway, NJ http://dimacs.rutgers.edu/Workshops/CSNA/

Further information including instructions for registration may be obtained from the conference web site above, or by email from csnao6@dimacs.rutgers.edu. Proposals for special sessions, contributed papers and invited speakers are welcome and may be submitted via this email address.

This meeting will be held partly as a joint meeting with the DIMACS workshop "Clustering Problems in Biological Networks" that is being held May 9-11, 2006 at DIMACS. See http://dimacs.

rutgers.edu/Workshops/ Clustering/



Both DIMACS and the

CSNA cordially invite you to participate in these meetings. Registration for the CSNA meeting alone is welcome, and there will



also be a special combined rate available for people wishing to attend both events.

The general theme involves data analysis of various types of networks, and as is typical in DIMACS sponsored events, there will be a strong emphasis on interdisciplinary approaches that will include ideas from discrete mathematics, statistics, and computer science. Background material will be provided by means of tutorials and expository talks, and there will be a strong emphasis on the solution of real world problems. The formation of research alliances for future work will be encouraged. There will be sessions for both invited and contributed papers. Submission instructions and deadlines will be posted on the conference web site. There will be ample opportunity for informal discussions and the exploration of new research ideas.

RSS 2006 Conference 10–14 September 2006 Queen's University Bolfact, North



Queen's University Belfast, Northern Ireland

http://www.rss.org.uk/rss2006

The annual international conference of the Royal Statistical Society. Plenary speakers include Lord May, Steve Fienberg, Trevor Hastie and Adrian Raftery.

Conference topics include:

Official/regional statistics,

Machine learning,

Environment/Energy/Climate change,

Communication of statistics,

Medical statistics/Bioinformatics, and

Statistics and the Law.

Contributed papers and posters are welcome. Further information available from the website or contact Paul Gentry conference@ rss.org.uk

International Workshop on Spatio-Temporal Modelling (METMA3) September 27–29, 2006 Pamplona, Spain



The purpose of this workshop is to promote the development and application of spatial, temporal, and mainly spatio-temporal statistical methods to different fields related to the environment. In recent years, spatio-temporal modelling is becoming a crucial area of research related to the statistical analysis of natural processes, and especially processes involved in environmental studies.

The workshop is organized every two years to bring together practitioners and researchers of different areas and countries all over the world. The scientific programme is characterized by having special invited sessions covering topics on the latest in theory, methods, and applications, as well as contributed papers and posters.

Our main emphasis this year is on illustrating statistical procedures with real data when possible. We will also include some key lectures on spatio-temporal modelling in disease mapping.

Participants could submit their papers for possible publication

in a special issue of the journal *Environmetrics* that will be devoted to the contents of this workshop.

Contact Lola Ugarte: t +34 948 169 202; f +34 948 169 204; e metma3@unavarra.es



2007 Applied Probability INFORMS Conference July 9–11, 2007 Eindhoven, The Netherlands

http://appliedprob.society.informs.org/INFORMS2007/Index.html Hosted by EURANDOM and Eindhoven University of Technology.

TU/e

Local organiser: Onno Boxma boxma@eurandom.tue.nl



Information: Lucienne Coolen coolen@eurandom.tue.nl

GEOMETRY, STATISTICS AND IMAGE ANALYSIS.

Red Raider Mini-symposium November 17–19, 2005 Department of Mathematics and Statistics, Texas Tech University



Lubbock, Texas

http://www.math.ttu.edu/~rpaige/redraider_html/RedRaider2005. html

The Red Raider Mini-Symposium at Texas Tech University consists of a series of lectures by outstanding scholars in selected areas of mathematics and statistics. These lectures provide an opportunity to learn about new research venues for the members of the mathematical community, especially early career researchers and graduate students including women and underrepresented minorities. This mini-symposium provides a perfect medium for interaction and collaboration between the conference participants and the distinguished speakers.

For 2005 the theme of the proposed series will be Geometry, Statistics and Image Analysis. Its goal is to bring together researchers, especially Pre-PhD & PhD students, postdocs, and other young researchers, from a broad spectrum of statistics, whose research is strongly intertwined with geometry and/or image analysis.

The distinguished lectures will be delivered by: Rudy Beran, Rabi Bhattacharya, Ronald Butler, John Kent, Peter Kim and Madan Puri.

Employment Opportunities around the world

Directory of Advertisements

Canada

Kingston: Queen's University [26]; Toronto: University of Toronto, Mississauga [27]; Waterloo: University of Waterloo [27]

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New Jersey: Rutgers University [37]

North Carolina: NC State University [38]

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Ohio: Cleveland State University [39]; Ohio University [39]; The Ohio State University [39]

South Carolina: Clemson University [40]

Pennsylvania: Carnegie Mellon University [40]

Texas: Texas A&M University [40]

Utah: Utah State University [41]

Virginia: Virginia Tech [41]

Washington: Fred Hutchinson Cancer Research Center, Seattle [42]

Wisconsin: University of Wisconsin – Madison [42]

Canada: Kingston, Ontario

Mathematics and Statistics, Queen's University

The Department of Mathematics and Statistics invites applications for a renewable (tenure-track) appointment at the Assistant Professor level to begin July 2006. Exceptionally qualified candidates may be appointed at the rank of Associate Professor. Salary will be commensurate with qualifications and experience. Candidates must have a Ph.D. in pure or applied mathematics, statistics or a related area.

The successful applicant must have a strong research record and have demonstrated the potential for research leadership. Candidates must have the capacity and desire to contribute to a strong graduate program and a commitment to excellence in undergraduate teaching. Applicants' research will be assessed on the way it will enhance the overall research profile of the Department. The research interests of the Department can be obtained from its website at http://www.mast.queensu.ca/

Interested candidates should arrange for a curriculum vitae, a description of research interests, up to five publications or preprints, a statement on teaching or a teaching dossier, and at least four letters of reference, one of which should comment on the candidate's teaching, to be sent to the address below by November 30, 2005. Applications will be considered until the position is filled.

Dr. Leslie G. Roberts, Associate Head Department of Mathematics and Statistics Queen's University, Kingston Ontario K7L 3N6 fax: (613)533-2964; e-mail: position@mast.queensu.ca http://www.mast.queensu.ca

All qualified candidates are encouraged to apply; however Canadians and permanent residents will be given priority. The University invites applications from all qualified individuals. Queen's is committed to employment equity and diversity in the workplace and welcomes applications from women, visible minorities, aboriginal people, persons with disabilities and persons of any sexual orientation or gender identity. The academic staff at Queen's University are governed by a collective agreement, the details of which are posted at http://www.queensu.ca/qufa

Taiwan: Taipei

Institute of Statistical Science

Academia Sinica, Taipei, Taiwan

Applications are invited for research staff positions. Rank of appointment (Assistant Research Fellow, Associate Research Fellow or Research Fellow) will be commensurate with experience. Candidates must have a PhD in statistics or related fields.

Interested applicants should send a curriculum vitae, three letters of recommendation, copies of publications/technical reports, transcripts (for new PhD only) and other relevant documents to *Yi-Ching Yao, Search Committee, Institute of Statistical Science, Academia Sinica, Taipei, Taiwan 115, R.O.C.* (Fax: 886-2-27831523, e-mail: yao@stat.sinica.edu.tw) Applications completed by December 31, 2005 will be given full consideration.

Canada: Toronto, Ontario

University of Toronto at Mississauga Assistant Professor of Statistics

University of Toronto at Mississauga, Department of Mathematical and Computational Sciences,



together with the Graduate Department of Statistics, University of Toronto, invites applications for a tenure-stream appointment at the Assistant Professor level starting July 1, 2006.

Duties will include research, undergraduate and graduate teaching, involvement in graduate supervision, and participation in departmental activities. Demonstrated or potential excellence in research and teaching, a strong interest in teaching applied statistics and a doctoral degree are required. Expertise in Applied Statistics (such as Bioinformatics, Statistical Computing, etc.) would be welcome. However, strong candidates in any area of statistics are encouraged to apply.

Letters of application with curriculum vitae, graduate transcripts and reprints, and a short statement describing the candidate's research programme should be sent to *Chair, Statistics Search Committee, Department of Mathematical and Computational Sciences, University of Toronto at Mississauga, Room 3359 Mississauga Road North, Mississauga, Ontario, Canada L5L 1C6* by December 15, 2005. Applicants should ask three references to send a letter of recommendation under separate cover to the same address by the same deadline; at least one letter should be primarily concerned with the candidate's teaching. Application can also be sent by email to statjob@utm.utoronto.ca.

The University of Toronto offers the opportunity to teach, conduct research and live in one of the most diverse and cosmopolitan locations in the world. The University also offers opportunities to work in a range of collaborative programs. 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. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

Canada: Waterloo, Ontario

University of Waterloo Department of Statistics and Actuarial Science

Statistics and Actuarial Science at the University of Waterloo invites applications for a tenure-track or definite term position in Actuarial Science 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 actuarial science. Professional actuarial qualifications and experience, although not strictly necessary, would 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 (www.arts.uwaterloo. ca/ACCT/finance/casf.htm), the Institute of Insurance and Pension Research (www.stats.uwaterloo.ca/Stats_Dept/IIPR/contents.html), and the Institute for Quantitative Finance and Insurance (www.iqfi. uwaterloo.ca).

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. The effective date is expected to be July 1, 2006 or later. The closing date for applications is December 31,2005.

Please submit a curriculum vitae, and arrange for at least three letters of reference to be sent to

Professor David Matthews, Chair Statistics and Actuarial Science University of Waterloo Waterloo, ON N2L 3GI, CANADA

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. The University of Waterloo encourages applications from all qualified individuals, including women, members of visible minorities, native peoples, and persons with disabilities.

USA: Arizona



The Department of Mathematics and Statistics at Arizona State University invites applications for a tenure-track position at the Assistant Professor level beginning in the fall semester of 2006. Applicants are required to have a Ph.D. in statistics, biostatistics, or mathematics (or other closely related disciplines) with a research emphasis in statistics by August 14, 2006. Candidates must also have demonstrated potential for excellence in statistical research and teaching at all levels. The successful candidate will be expected to conduct research and publish in the area of statistics, provide quality teaching of undergraduate and graduate courses in both theoretical and applied statistics, and participate in on-campus interdisciplinary statistics activities and appropriate professional service.

The Tempe campus of Arizona State University has approximately 49,000 students and is located in the rapidly growing metropolitan Phoenix area, which provides a wide variety of recreational and cultural opportunities. The Department of Mathematics and Statistics currently has 51 full time faculty members including six in a growing group of statisticians, and over 80 supported graduate students. The Department's undergraduate and graduate statistics programs are well established and of high-quality. Demand for statistical research and instruction at ASU is continuing to increase with numerous opportunities for interdisciplinary collaboration, for example with TGen, the Biodesign Institute (which includes Centers involving nanobiosciences, nanotechnology, bioengineering, genomics, and vaccinology), the Center for Environmental Studies, and many other projects spanning social sciences, education, physical sciences, and medicine. The successful candidate will have a unique opportunity to help shape the future direction of statistics at ASU. The Department has excellent computing resources, including a networked cluster dedicated to statistics research, individual faculty workstations, and access to the University's central computing facilities.

Applicants must send i) a curriculum vita, ii) a personal statement addressing their research agenda, and iii) a statement of teaching philosophy, and iv) must arrange for at least three letters of recommendation to be sent to: Statistics Search Committee, Department of Mathematics and Statistics, Arizona State University, PO Box 871804, Tempe, AZ 85287-1804

A background check is required for employment.

Review of the applications will begin on January 6, 2006; if not filled weekly thereafter until the search is closed. AA/EOE

USA: Arizona

University of Arizona, Tucson

The Mathematics Department invites applications for tenure-track positions at either the Assistant, Associate or Full Professor level to begin Fall 2006. By time of appointment, candidates are expected to have a Ph.D. and excellent research record or potential, as well as a strong commitment to teaching. Please send a letter of interest (specifying position(s) applied for), an AMS Cover Sheet (which can be downloaded from http://www.ams.org/coversheet), a CV with a list of publications, a statement of research interests, a statement of teaching experiences/philosophy and a minimum of three (3) letters of recommendation (enclose or arrange to be sent) to:

Personnel Committee, Dept. of Mathematics University of Arizona, P.O. Box 210089 Tucson, AZ 85721-0089

Applications received before October 1, 2005 will receive the fullest consideration; applications after February 1, 2006 are unlikely to be considered. For further information please visit our website: http://math.arizona.edu/employment

USA: California

California State University, Chico

To begin August 2006. Department of Mathematics and Statistics, Assistant Professor or Associate Professor in Statistics.

Qualifications include Doctorate in an area of statistics. Successful teaching experience and a commitment to quality teaching; demonstrated success or potential for conducting scholarly research; a strong interest in working with undergraduates and graduate students as a statistical consultant; and potential for pursing external funding.

Review will begin January 20, 2006. Applications received after that date may be considered.

To view the full job description/qualifications and for more information about the university, college, and department, visit our website at: http://www.csuchico.edu/math/

CALIFORNIA STATE UNIVERSITY, EAST BAY (formerly CSU Hayward)

California State University, East Bay, (overlooking San Francisco Bay) announces one Position--#06-07 STAT-APPLIED-TT-- FULL-TIME TENURE TRACK ASSISTANT PROFESSOR.

Teach undergraduate/MS courses in Statistics/Biostatistics/Statistical Computation, sustain related research program. Advise, mentor ethnically diverse students.

Required by start date (9/15/06): Ph.D. in Statistics, US work authorization.

Review 12/15/05 until filled. Application information: Dept. of Statistics, CSUEB, (510) 885-3435, http://www.sci. csueastbay.edu/statistics EOE

USA: California

California State University, Sacramento

A tenure-track position at the Assistant Professor level, with salary appropriate to the applicant's experience. Education: Ph.D in Statistics is required. All degree requirements must be completed by August 30, 2006.

For full details, please see our website: http://www.csus.edu/fas/vacancies/nsmvac. htm or http://www.csus.edu/math

Jeanne Clery Disclosure: In compliance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act, California State University, Sacramento has made crime reporting statistics available on-line at: www.csus. edu/police/SRTKRPT.html

USA: California

Stanford University Computer Systems Specialist

The Statistics Department at Stanford University is looking to hire a computer systems specialist. Primary responsibilities will include Linux, Windows, and Macintosh systems administration, hardware and software trouble shooting, planning for hardware and software acquisition, promoting computer literacy, assisting in instructional computing, and keeping abreast of current software and hardware developments.

The department has state-of-the-art Linux servers, on which a wide variety of statistical software is maintained. We also have Windows and Macintosh clusters with networked nodes. In addition, most faculty have PCs in their offices, with network connections to the compute servers, and other Stanford-wide systems.

Preference will be given to candidates with a MS in Statistics.

For further information about the responsibilities entailed in this position, consult the department's homepage: http://www-stat.stanford.edu/CSS

If you need further help, contact the department administrator Nora Hamer at norah@ stanford.edu or (650) 723-2625.

Eligible candidates should send their application, along with a CV and the names of two references to:

CSS Search Committee, Statistics Department Stanford University, CA 94305

USA: California

Faculty Position

Division of Biostatistics, School of Public Health, University of California, Berkeley

An Assistant Professor position the Division of Biostatistics at the School of Public Health, University of California, Berkeley, is available for Fall of 2006. Although candidates from all areas of biostatistics will be considered, special attention will be given to those candidates who have a focus in one or more areas of environmental health, epidemiology, statistical computing or genomics.

Candidates must be trained in both theoretical and applied statistics and have the potential to develop an in-depth research program involving contemporary issues. Duties include developing and teaching upper division and graduate level courses in addition to directing doctoral student research. Applicants must hold a Ph.D. in Biostatistics or a related field, possess teaching experience and have demonstrated ability in biostatistics research. Salary is dependent upon individual qualifications.

Deadline for application and receipt of materials is December 1, 2005. Send cover letter, CV, publications list, four letters of recommendation to:

Steve Selvin, Ph.D., Chair, Search Committee Division of Biostatistics, School of Public Health 140 Warren Hall, University of California, Berkeley Berkeley, CA 94720-7360 biostat@berkeley.edu fax: (510) 643-5163 The University of California is an equal opportunity, affirmative action employer

University of California, Berkeley Department of Statistics

We invite applications for a position at either the tenure-track (Assistant Professor) or tenured (Associate or Full Professor) level, in all areas of Statistics. We are seeking a candidate with no more than 10 years experience post-PhD. We will consider strong candidates in any area of theoretical, applied, or computational statistics, or probability.

AA/EOE.

Apply by January 1, 2006. For more details, please refer to website: http://www.stat.berkeley.edu/users/debbie/positions.html

USA: California

Faculty Position Department of Statistics University of California at Davis

The Department of Statistics invites applications for one position that can be either tenured Associate Professor or tenure-track Assistant Professor, depending on qualifications, the appointment to start on July 1, 2006. Applicants must have a Ph.D. in Statistics or in a related field; should be working on topics that interface with Bayesian statistics and/or algorithmic numerical methods; and should have a substantial interest in an area of application. An outstanding research and teaching record is required for an appointment as a tenured Associate Professor. Demonstrated interest and ability to achieve such a record is required for a tenure-track Assistant Professor appointment. The successful candidate will be expected to teach at both the undergraduate and graduate levels.

UC Davis has launched Bioinformatics and Computational Science initiatives; and the Department has graduate programs in Statistics and in Biostatistics. Information about the Department and its programs can be found at http://www-stat.ucdavis.edu/ . Email letter of application, including a statement of research interests, and curriculum vitae with publication list to search@ wald.ucdavis.edu. Send at least three letters of reference, relevant reprints/preprints, and transcripts (applicants with Ph.D. obtained in 2004 or later) to:

Search Committee, Department of Statistics 1 Shields Avenue, University of California, Davis Davis, CA 95616.

Review of applications will begin on Dec. 1, 2005, and will continue until the position is 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, Irvine Department of Statistics The Department of Statistics

UCIrvine University of California, Irvine

(www.stat.uci.edu) at the University of California, Irvine (UCI), invites applications for a tenured associate professor position (other levels considered) beginning July 1, 2006. The department has a strongly interdisciplinary flavor, focused on developing methods to solve applied problems and advancing the statistical theory that underlies those methods. We are searching for faculty with strong research potential and enthusiasm for helping our department develop a graduate program. Applicants must hold a PhD degree in Statistics, Biostatistics or a related field. The Department is interested in individuals with research interests in all areas of statistics.

UCI is one of the youngest campuses in the University of California, yet we are already ranked very highly among U.S. public universities. The Department of Statistics is part of the Donald Bren School of Information and Computer Sciences at UCI.

Completed applications containing a cover letter, curriculum vita, sample research publications, and three letters of recommendation should be uploaded electronically. Please refer to the following web site for instructions http://www.ics.uci.edu/employ-ment/employ_faculty.php

The review of applications will begin January 3, 2006.

The University of California, Irvine is an equal opportunity employer committed to excellence through diversity, has a National Science Foundation Advance Gender Equity Program, and is responsive to the needs of dual career couples.

USA: California

University of California, Santa Barbara Statistics and Applied Probability

Applications are invited for an open level position in Stochastic Analysis (particularly Mathematical Finance) beginning Fall 2006. Qualifications: excellence in research and teaching, PhD in Statistics/ Mathematics.

Send resume, research and teaching objectives, AMS Cover Sheet (http://www.ams.org) and arrange four reference letters (at least one teaching related).

Submit materials via http://www.mathjobs.org OR send to: *Search Committee*,

Department of Statistics and Applied Probability, University of California, Santa Barbara, CA 93106-3110.

Screening begins December 10, 2005 and continues until the position is filled. EO/AA For more information see http://www.pstat.ucsb.edu

Assistant Professor Position Department of Statistics University of California, Riverside

Position Description:

The Department of Statistics, University of California, Riverside, invites applications for a 9-month tenure-track position at the Assistant Professor level. Appointment is to begin on July 1, 2006. The appointment requires a strong evidence of research, collaboration, and teaching. Priority will be given to candidates capable of developing statistical methodology for collection and inferential analysis of data arising from applications that include at least one of the following application areas: Engineering, Industrial Statistics, Data Mining, Economics and Social Sciences. The Department of Statistics currently has six ladder-rank faculty and two lecturers and has an active Statistical Consulting Collaboratory where collaborative research opportunities are plentiful.

Research:

Candidate should have a balanced research program in fundamental Statistics that has links to one or more of the above application areas. Research interests that utilize both classical and Bayesian approaches is a plus.

Teaching:

This person will contribute to teaching upper-division undergraduate courses and graduate level courses in mathematical and applied statistics.

Requirements:

A Ph.D. in Statistics or Biostatistics with strong credentials in mathematical statistical theory and the proven ability to conduct innovative research are required. Evaluation of applicants will begin December 15, 2005, but the position will remain open until filled. Application:

Women and members of other underrepresented groups are especially encouraged to apply. Please send CV, statement of teaching and research plans, and at least three references to:

Professor Daniel R. Jeske, Co-Chair, Search CommitteeDepartment of StatisticsUniversity of CaliforniaRiverside, CA 92521-0138Telephone:(951) 827-3014 or(Message)(951) 827-3774Fax:(951) 827-3286Email:daniel.jeske@ucr.eduWebPages:http://cnas.ucr.edu/~stat/homepage.htm

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USA: California

Open-Level Professor Position

Department of Statistics, University of California, Riverside

Position Description: The Department of Statistics, University of California, Riverside, invites applications for a 9-month tenuretrack appointment at the Assistant, Associate or Full professor level. Appointment is to begin on July 1, 2006. The appointment requires evidence of nationally/internationally-recognized achievements, an established record of funded research, collaboration, and exemplary teaching. Priority will be given to candidates capable of developing statistical theory and methods that have applications in Genomics, Bioinformatics, Environmental Sciences, Engineering, Health Statistics, or Biological Statistics. The Department of Statistics currently has six ladder-rank faculty and two lecturers and has an active Statistical Consulting Collaboratory where collaborative research opportunities are plentiful. Additional opportunities for collaborative research are available with the Genetics Graduate Program, the Institute of Genomics and the Center for Biotechnology, all of which are concerned with basic research in statistical genomics, bioinformatics, environmental sciences, and biological statistics.

Research: Candidate should have an established research program in theoretical Statistics that has applications in natural and agricultural sciences, engineering or industrial statistics. Basic research using classical and/or Bayesian concepts is encouraged.

Teaching: The successful candidate will contribute to graduate teaching in advanced courses in statistical theory and methods. This person will teach primarily advanced graduate course in statistical theory and methods, with occasional upper division undergraduate courses.

Requirements: A PhD in Statistics or Biostatistics with strong credentials in mathematical statistical theory and the proven ability to conduct innovative research are required. Evaluation of applicants will begin **December 15**, 2005, but the position will remain open until filled.

Application: Women and members of other underrepresented groups are especially encouraged to apply. Please send CV, statement of teaching and research plans, and at least three references to:

Professor Barry Arnold, Chair, Search Committee

Department of Statistics

 University of California, Riverside, CA 92521-0138

 Telephone:
 (951) 827-5939 or

 (Message)
 (951) 827-3774

 Fax:
 (951) 827-3286

 Email:
 barry.arnold@ucr.edu

 WebPages:
 http://cnas.ucr.edu/~stat/homepage.htm

The University of California is an Affirmative Action/Equal Opportunity Employer

University of Southern California, Los Angeles

As part of the College Senior Hiring Initiative at the University of Southern California, the Department of Mathematics is searching for an outstanding senior scholar in the area of mathematical statistics. It is expected that the successful applicant will start in August 2006 with a competitive salary and generous start-up package. Applicants must have a Ph.D. or equivalent and have demonstrated excellence in research and teaching.

The USC Department of Mathematics has approximately 35 regular faculty members and approximately 15 post-doctoral scholars, research faculty, visitors and lecturers. It has exceptionally strong research groups in stochastic analysis, bioinformatics and genomics, interdisciplinary applied mathematics, geometry and topology, algebra and analysis. Excellent computing facilities and support are readily available on campus. There is a wealth of activity in statistics on campus including in the College, the Keck School of Medicine, the Marshall School of Business and the Viterbi School of Engineering. The University offers outstanding opportunities for interdisciplinary collaborations across both departments and schools.

USC is an Equal Opportunity/Affirmative Action Employer and is especially interested in attracting candidates that will enhance its faculty's diversity.

To apply, please submit the following materials in a single package: letter of application and curriculum vitae, including your e-mail address, telephone and fax numbers, preferably with the standardized AMS Cover Sheet. Candidates should also arrange for three letters of recommendation to be sent as well. All materials should be mailed to:

Statistics Search Committee Department of Mathematics University of Southern California 3620 Vermont Avenue, KAP 108 Los Angeles, CA 9089-2532.

Review of applications will begin December 1, 2005 and continue until the position is filled. Additional information about the USC Department of Mathematics can be found at our web site: http://mathinfo.usc.edu

USA: Colorado

University of Colorado at Denver and Health Sciences Center Senior Applied Statistician

The Department of Mathematical Sciences at the University of Colorado at Denver and Health Sciences Center invites applications and nominations for a senior-level faculty position in Applied Statistics, starting in August 2006, subject to final budgetary approval. Candidates should have demonstrated accomplishments in research, teaching, and program development, and have a strong commitment to outreach and professional service.

Salary will be commensurate with skills and experience. The University of Colorado offers a full benefits package. Information on University benefits programs, including eligibility, is located at http://www.cu.edu/pbs/

Applications should include: a letter of intent; full curriculum vitae, research and teaching statements, and names and contact information for at least three references. Review of applications will begin on January 2, 2006 and will continue until the position is filled. Applications should be sent to

Applied Statistics Search University of Colorado at Denver Campus Box 170, P. O. Box 173364 Denver, Colorado 80217-3364

or e-mailed to appliedstatsearch@math.cudenver.edu or faxed to 303-556-8550. For additional information, please contact Steve Sain at ssain@math.cudenver.edu or Karen Kafadar at kk@math. cudenver.edu.

The Department web page at http://www-math.cudenver.edu/ can supply further information.

The University of Colorado is committed to diversity and equality in education and employment.

USA: DC

American University

Statistics or Mathematics: Tenure-track Assistant Professor. American University, beginning Fall 2006. Minimum qualifications: Ph.D. and teaching experience. American University is an affirmative action/equal opportunity employer, committed to a diverse faculty, staff, and student body. Minority and women candidates are encouraged to apply. For position information and application instructions, see www.mathstat.american.edu/positions, or contact the Department of Mathematics and Statistics at (202) 885 3124, or by email at mathstat@american.edu

USA: Florida

Department of Statistics University of Florida

Pending budgetary approval, Tenure-track Assistant Professor, College of Liberal Arts and Sciences.

Includes teaching, service, collaborative and methodological research. PhD in statistics or related field required, with good communication skills.

Vita, transcript, and three reference letters to

Search Committee, Dept. of Statistics, PO Box 118545 Gainesville, FL 32611-8545.

Application deadline: 12/12/2005. EOE.

USA: Florida

Department of Statistics University of Florida

Pending budgetary approval, Assistant/ Associate/Full Professor, College of Liberal Arts and Sciences.

Includes teaching, service, collaborative and methodological research. PhD in statistics or related field required, with good communication skills. Senior applicants should have an established record of methodological research.

Vita, transcript, and three reference letters to

Search Committee, Statistics Department, Box 118545 Gainesville, FL 32611-8545.

Application deadline: 12/12/2005. EOE.

USA: Georgia

Georgia College & State University

The Department of Mathematics at Georgia College & State University invites applications for a tenure-track position in statistics at the rank of Assistant Professor. A Ph.D. is required. Excellence in teaching, scholarly activity, and university/community service are requirements for promotion and tenure. Employment will begin August 1, 2006. GC&SU is Georgia's Public Liberal Arts University, with a strong commitment to student-centered education in a residential setting. For more information and application instructions, see http://www. gcsu.edu/facultyjobs

Review of applications will begin November 18, 2005, and continue until the position is filled. GC&SU is an Equal Opportunity/Affirmative Action institution.

USA: Georgia

Columbus State University

Columbus State University position in applied statistics. The Department of Mathematics announces a tenure track position at the Assistant/Associate professor level beginning August 2006. Requirements include excellent communication skills and Ph.D. in math or statistics by the time of appointment. Teaching experience and consulting experience preferred.

For the complete ad, see http://math. colstate.edu

As an AA/EEO employer, CSU is committed to diversity and equality in education and employment.

USA: Georgia

University of Georgia

Tenure-track assistant professorship, Department of Statistics, University of Georgia, starting August 2006. Open area. Requires Ph.D. in Statistics or related field, and a strong commitment to research and teaching. See http://www.stat.uga.edu for details.

Send application letter, CV, transcript, research statement, and three reference letters to: *Search, Statistics Department, University of Georgia, Athens, GA 30602-1952.*

Applications received by January 2, 2006, will be assured consideration.

The University of Georgia, an AA/EEO institution, is committed to increasing the diversity of its faculty and strongly encourages applications from individuals in underrepresented groups. Stretch your advertising budget

This space only costs

\$100

And we offer a discount on repeat ads: please ask for details

ularly. Check it out at http://imstat.org/jobs

obs section on the IMS website is updated

USA: Georgia

Georgia Institute of Technology

School of Mathematics

The School of Mathematics at Georgia Tech is now in the second year of an ambitious faculty recruitment program – one which will be sustained over a five year period. During the first year, four appointments were made, including one at the full professor level and two at the associate professor level. Building on past successes, this recruiting effort is intended to make rapid advances in the scope and quality of our research and graduate education programs.

Candidates will be considered at all ranks, with priority given to those candidates who:

- (1) bring exceptional quality research credentials to Georgia Tech;
- (2) complement existing strengths in the School of Mathematics;
- (3) reinforce bridges to programs in engineering and the physical, computing and life sciences;
- (4) have strong potential for external funding; and
- (5) have a demonstrated commitment to high quality teaching at both the undergraduate and graduate levels.

Consistent with these priorities, candidates will be considered in all areas of Pure and Applied Mathematics and Statistics.

Candidates should arrange for a resume, at least three letters of reference, and a summary of future research plans to be sent to:

Hiring Committee, School of Mathematics, Georgia Institute of Technology, Atlanta, GA, 30332-0160, USA.

Candidates for Associate and Full Professor positions should also submit a statement outlining their vision for service as a senior faculty member at Georgia Tech.

Review of applications will begin in September 2005, and the roster of candidates being considered will be updated on a monthly basis. Georgia Tech, an institution of the University System of Georgia, is an Equal Opportunity/Affirmative Action Employer.

USA: Illinois

University of Chicago Tenure-Track Faculty Biostatistics



The Department of Health Studies in the Division of Biological Sciences at the University of Chicago seeks candidates for tenure-track faculty appointments in Biostatistics. One or more

fully-funded positions are available with rank appropriate to qualifications. Applicants should have a doctorate in biostatistics, statistics or a closely related field by Fall 2006. Individuals will be expected to develop a nationally recognized program of research, teach students at levels from undergraduate to junior faculty, and collaborate in cross-disciplinary research programs. Successful faculty will integrate biostatistics with substantive domains of biomedical or social science or public health.

The Health Studies Department encompasses the fields of Epidemiology, Biostatistics, and Health Services Research. Scholars conduct independent research, as well as collaborative research with faculty in clinical and non-clinical departments and centers throughout the University, including Medicine, Psychiatry, the Cancer Center, Human Genetics, Obstetrics and Gynecology, Pediatrics, Sociology, Statistics, the National Opinion Research Center and the Harris School of Public Policy Studies.

Send an application letter, curriculum vitae, statement of research and teaching interests and experience, one to three publications (or manuscripts for recent graduates), and names and addresses of three references to *Ronald Thisted, Chair; Department of Health Studies; ATTN: Biostatistics Faculty Search; The University of Chicago; 5841 S. Maryland Avenue, MC 2007; Chicago, IL 60637.* Full consideration will be given to applications received by December 15, 2005.

Our Web site at http://health.bsd.uchicago.edu/ contains more detailed information about currently available positions, as well as information about the Department and its faculty, the University, and the City of Chicago.

The University of Chicago is an Affirmative Action / Equal Opportunity Employer.

USA: Illinois

University of Illinois at Chicago, Department of Mathematics, Statistics and Computer Science

The Department has active research programs in centrally important areas of pure mathematics, computational and applied mathematics, combinatorics and computer science, statistics, and mathematics education. See http://www.math.uic.edu for more information.

Applications are invited for the following positions, effective August 16, 2006, subject to budgetary approval.

Research Assistant Professorships. These are non-tenure track positions, normally renewable annually to a maximum of three years. These positions carry a teaching responsibility of one course per semester, and the expectation that the incumbent play a significant role in the research life of the Department. The salary for AY 2005-2006 for these positions is \$49,000, the salary for AY 2006-2007 may be higher. Applicants must have a Ph.D. or equivalent degree in mathematics, computer science, statistics, mathematics education or related field, and evidence of outstanding research potential.

Send vita and at least three (3) letters of recommendation, clearly indicating the position being applied for, to: *Appointments Committee; Dept. of Mathematics, Statistics, and Computer Science; University of Illinois at Chicago; 851 S. Morgan (m/c 249); Box R; Chicago, IL 60607.* No e-mail applications will be accepted. To ensure full consideration, materials must be received by November **30, 2005.** However, we will continue considering candidates until all positions have been filled. Minorities, persons with disabilities, and women are particularly encouraged to apply. UIC is an AA/ EOE.

USA: Illinois

University of Illinois at Chicago, Tenure Track Assistant Professor in Statistics

The Department of Mathematics, Statistics, and Computer Science seeks to recruit an outstanding statistician with strong academic background and a demonstrated interest in research and teaching. Applicants must have a Ph.D. or equivalent degree in statistics. The salary is negotiable. The position is effective August 16, 2006, subject to budgetary approval.

The Department has active research programs in centrally important areas of pure mathematics, computational and applied mathematics, combinatorics and computer science, statistics, and mathematics education. See http://www.math.uic.edu for more information.

Send vita and at least three (3) letters of recommendation, clearly indicating Statistics as the position being applied for, to: *Statistics Search Committee; Dept. of Mathematics, Statistics, and Computer Science; University of Illinois at Chicago; 851 S. Morgan (m/c 249); Box S; Chicago, IL 60607.* No e-mail applications will be accepted. To ensure full consideration, application materials must be received by **November 30, 2005**. However, we will continue considering candidates until the position is filled. Minorities, persons with disabilities, and women are particularly encouraged to apply. UIC is an AA/EOE.

USA: Illinois

University of Illinois at Urbana-Champaign

The Department of Statistics invites applications for a full-time, tenure-track Assistant Professor position proposed to start August 16, 2006. Relevant areas of expertise include biostatistics, bioinformatics, computational statistics, high dimensional data analysis, image analysis, stochastic modeling and advanced statistical theory and methods. To ensure full consideration application materials must be received by January 10, 2006. A PhD is required at the time of appointment. Salary is commensurate with qualifications and experience. The primary criteria for appointment will be excellence in research and teaching.

Send Curriculum Vita, statement of research goals, three letters of recommendation, and preprints/reprints to: *Chair, Statistics Search, Department of Statistics, 101 Illini Hall, 725 S. Wright Street, Champaign, IL 61820, USA*, or send the materials electronically to stat@uiuc. edu. For further information, call (217) 333-2167 or visit www.stat.uiuc.edu. The University of Illinois offers a superb environment for research and teaching and the opportunity to affiliate with leading interdisciplinary research centers such as the Beckman Institute for Advanced Science and Technology, the Institute for Genomic Biology, and the National Center for Supercomputing Applications (NCSA). The University of Illinois is an Affirmative Action, Equal Opportunity Employer.

USA: Maryland

UNIV OF MARYLAND BALTIMORE COUNTY DEPT OF MATHEMATICS AND STATISTICS

The Department invites applications for one tenure-track faculty position starting in the fall of 2006 in **statistics** at the rank of assistant professor. The successful candidate should have a Ph.D. in an area of statistics, an active, independent research program, strong potential for obtaining external funding, and a commitment to excellence in teaching. Preference will be given to candidates with a demonstrated record of applications-oriented research. Although all areas will be considered, special consideration will be given to those who have the potential to make strong theoretical and interdisciplinary contributions, emphasizing biological and biomedical applications. Pending funding, exceptional applicants of higher rank will also be considered.

The Department offers BS, MS and Ph.D. degrees in statistics and in applied mathematics. Refer to the Department's web page (<u>http://www.math.umbc.edu</u>) for more information. Applicants should send a vita, a summary of their current research program, and have three letters of reference sent to Statistics Recruitment Committee, Department of Mathematics and Statistics, University of Maryland Baltimore County, Baltimore, MD 21250. Screening of applicants will commence December 1, 2005, and will continue until the position is filled.

UMBC has an NSF ADVANCE Grant to increase the participation and success of women in science and engineering careers.

Applications from minorities, women and people with disabilities are especially encouraged. UMBC is an Affirmative Action/Equal Opportunity Employer.

USA: Michigan

MICHIGAN TECHNOLOGICAL UNIVERSITY Department of Mathematical Sciences Department Chair Position

The Department of Mathematical Sciences invites applications for the position of

Department Chair. The appointment will be at the senior level and will be effective July 1,

2006. Applicants should possess a Ph.D. in the Mathematical Sciences and have a strong

record of teaching and research and external funding. Special consideration will be given to candidates with administrative experience and whose research interests are compatible with the existing departmental research strengths.

Michigan Technological University, located in the scenic Upper Peninsula of Michigan, is a state university with strong research programs in engineering and the sciences. The department has 29 tenure-track positions, 6 lecturer positions, and has research strength in applied mathematics, discrete mathematics, and statistics. More than 30% of the faculty receive external grant support from federal and state agencies. The department offers B.S., M.S., and Ph.D. degrees and has about 80 undergraduate majors and 35 graduate students.

Applications should include a letter of interest, a current vita and four letters of reference. Formal review of applications will begin on December 1, 2005 and continue until the position is filled. Additional information can be obtained at www.math.mtu.edu. Applications should be sent to:

Math Chair Search Committee

Department of Mathematical Sciences, Michigan Technological University

1400 Townsend Drive, Houghton, MI 49931-1295

Michigan Technological University is an Equal Opportunity Educational Institution/Equal Opportunity Employer/Affirmative Action Employer.

USA: Massachusetts

Massachusetts Institute of Technology, Department of Mathematics: Statistics

The Department of Mathematics may make appointments at the level of instructor, assistant professor or higher in STATISTICS or APPLIED PROBABILITY starting September 2006. Open to doctorates with strong research and teaching qualifications.

Applications and other materials, including (a) curriculum vitae, (b) three letters of reference, (c) description of your most recent research and future plans, must be submitted online at www.mathjobs. org by January 1, 2006 (please do not mail duplicates). We request that your letters of reference be submitted online. Alternatively, they may be sent to: *Statistics Committee*, *Massachusetts Institute of Technology, Room* 2-263, 77 Massachusetts Ave., Cambridge, *MA* 02139-4307.

To ensure full consideration of your application, all references must arrive by January 16. MIT is an Equal Opportunity, Affirmative Action Employer. For more information about the MIT Mathematics Department: http://www-math.mit.edu

USA: Missouri

University of Missouri-Kansas City: two positions

Tenure-Track Assistant Professor/Associate Professor in Biostatistics

Position Description: The Department of Mathematics and Statistics at the University of Missouri-Kansas City invites applications for the position of Assistant/Associate Professor in Biostatistics. This position is a joint appointment in the Department of Mathematics and Statistics and the School of Medicine.

Qualifications: All applicants should have expertise in an area of statistics, applied statistics, biostatistics or bioinformatics. Demonstrated potential for research and teaching is required.

Contact: Applications should include AMS cover sheet, curriculum vitae, three letters of recommendations, and copies of Ph.D. transcripts to: *Professor Kamel Rekab, Chair, Department of Mathematics and Statistics, 206 Haag Hall, University of Missouri-Kansas City, 5100 Rockhill Road, Kansas City, MO 64110, U.S.A.* AA/EOE.

Application Deadline: Full consideration will be given to applications received before December 15, 2005.

Tenure-Track Assistant Professor/Associate Professor in Applied Mathematics, Algebra or preferably Statistics.

Position Description: The Department of Mathematics and Statistics at the University of Missouri-Kansas City invites applications for the position of Assistant/Associate Professor in Applied Mathematics, Algebra or preferably Statistics.

Qualifications: The successful candidate will have a Ph.D. in applied mathematics, algebra, or preferably statistics. Demonstrated potential for research and teaching is required.

Contact: Applications should include AMS cover sheet, curriculum vitae, three letters of recommendations, and copies of Ph.D. transcripts to: *Professor Kamel Rekab, Chair, Department of Mathematics and Statistics, 206 Haag Hall, University of Missouri-Kansas City, 5100 Rockhill Road, Kansas City, MO 64110, U.S.A.* AA/EOE.

Application Deadline: Full consideration will be given to applications received before December 15, 2005.

USA: New Mexico

University of New Mexico, Albuquerque

The University of New Mexico seeks a tenure-track Assistant Professor in Statistics beginning August 2006. Exceptional senior candidates may be considered. Minimal qualifications include a Ph.D. in Statistics or Biostatistics. See www.stat.unm.edu for complete job description.

Selection process begins Dec. 1, 2005 and continues until the position is filled. Send CV, statement of interests, and 3 letters of recommendation to: *Chair, Statistics Search Committee, Department of Math and Statistics, University of New Mexico, Albuquerque, NM 87131.*

EEO/AA.

USA: Missouri

Tenured and Tenure-track Faculty Positions Department of Statistics

University of Missouri – Columbia

The Department of Statistics (http://www. stat.missouri.edu) seeks to fill two positions at the Assistant Professor level or one Assistant and one Associate Professor positions, starting Fall 2006. A doctorate in statistics or biostatistics by August 15, 2006, excellence in teaching and research, and excellent communication skills are required. An association with other units will be explored if this is of interest to a strong candidate.

Send letter of application, CV, PhD transcripts and three letters of reference to

Dr. Athanasios Micheas, Chair of Search Committee, Statistics Department, University of Missouri, 146 Middlebush Hall, Columbia, MO 65211-4100

Or via email to: umcstatfacsearch@ missouri.edu. Review of applicants will begin December 1, 2005, and continue until positions are filled. EO/AAE.

USA: New Jersey

Rutgers University

Rutgers University Department of Statistics invites applications for one, and possibly two, tenured or tenure track positions at any level, starting from January or August 2006, contingent on availability of funding. For junior level candidates, evidence of actual or potential excellence in research and teaching are required. For a senior level candidate, a national or international reputation of excellence is required. Send CV, and three letters of recommendation to: Chair, Search Committee, Department of Statistics, Rutgers University, Hill Center, Busch Campus, 110 Frelinghuysen Ave, Piscataway, NJ.08854-8019. Rutgers University is an equal opportunity employer.

USA: North Carolina

NC State University Department of Statistics

The Department of Statistics at North Carolina State University invites applications for tenure-track faculty positions at all ranks. Appointments are to begin in August 2006.

The Department is one of the oldest and largest in the country and provides a dynamic environment for teaching, research and collaborations across disciplines, with formal programs in genetic statistics, environmental statistics, biostatistics, bioinformatics, and biomathematics. It also has strong programs in statistics education, mathematical statistics, and a wide range of other applications. The Department has been awarded a prestigious NSF VIGRE grant (for the second time in 2004) that integrates undergraduate through postdoctoral research and education through various mentoring activities. The Department's location in the Research Triangle provides rich opportunities for interactions with industry; other universities, including Duke University and the University of North Carolina at Chapel Hill; and government agencies. Faculty enjoy collaborations with medical researchers at Duke, environmental scientists at the EPA research facility, pharmaceutical researchers at Glaxo-SmithKline, and software developers at SAS Institute, among many others. The Department also is a founding cooperator of the National Institute of Statistical Sciences (NISS) and the NSF funded Statistical and Applied Mathematical Sciences Institute (SAMSI). Both NISS and SAMSI provide excellent research opportunities. A recent external review of the Department also recommended that the department continue to build on its successes in bio, environmental and mathematical statistics initiatives. It is an exciting time to be in the Research Triangle area and an exciting time to join a department that is looking to expand significantly on its strengths.

All applicants must have a Ph.D. in Statistics or Biostatistics. Candidates for Associate or Full professor should have an established record of funded research, collaboration, and exemplary teaching. Responsibilities include teaching and research. The department seeks applications from candidates from ALL areas of statistics.

All applicants should send a letter of application, curriculum vitae, and the names and contact information for three references either electronically to stat_search@stat.ncsu.edu or as a hard copy to the address below. Applicants for Assistant Professor positions should include their transcripts and request references to send their letters directly to stat_search@stat.ncsu.edu or the address below. All reference letters will be made available for review by the departmental voting faculty. Processing of applications will begin November 15, 2005 and continue until the positions are filled. Women and members of other underrepresented groups are especially encouraged to apply.

Mailing Address: Professor David A. Dickey, Chair, Statistics Search Committee, Department of Statistics, Box 8203 North Carolina State University, Raleigh, NC 27695-8203 For more information about the department, see: http://www.stat.ncsu.edu/ NC State University is an equal opportunity and affirmative action employer. All qualified applicants will

receive consideration for employment without regard to race, color, national origin, religion, sex, age, veteran status, or disability. In addition, NC State University welcomes all persons without regard to sexual orientation. Individuals with disabilities desiring accommodations in the application process should contact Merronda Cline, voice: (919) 515-1944; email: mtcline@stat.ncsu.edu; fax:(919)515-7591.

USA: New York

Cornell University School of Operations Research & Industrial Engineering

Tenure-track or tenured position. Rank open. PhD required in Mathematics, OR, Statistics, or related field. Expertise and/or interest in Financial Engineering research and teaching is required. Involvement in the School's new Research and Teaching Center on Broad Street in Manhattan is likely. Salary appropriate to qualifications and Engineering norms.

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. CV, one-page statement of research and teaching interests, doctoral transcript for junior applicants, and four letters should be sent to *Financial Engineering Search, ORIE, Rhodes Hall, Cornell University, Ithaca, NY* 14853-3801.

Applications completed by January 15, 2006 given preference. Women and minority candidates especially encouraged to apply. Cornell University is an AA/EOE.

USA: Ohio

Cleveland State University Assistant/Associate Professor, Department of Mathematics (Two Positions)

The Department of Mathematics invites applications for two tenure-track positions at the Assistant Professor level. (One of the positions could be at the Associate Professor level in the area of applied statistics or biostatistics).

MINIMUM QUALIFICATIONS:

Ph.D. in a Mathematical Science or Statistics by August 21, 2006 and research in one of the following areas:

- (1) applied statistics or biostatistics,
- (2) commutative algebra or computational algebraic geometry,
- (3) dynamical systems or difference equations,
- (4) computational number theory,
- (5) mathematical programming.

Strong interpersonal and communication skills are also required. PREFERRED QUALIFICATIONS:

Strong research program in the relevant area; demonstrated commitment to excellence in teaching and mentoring students; research interests that match or connect well with members of the department; experience with innovative methods of instruction and assessment. For area (3), preference will be given to candidates with a demonstrated interest in mathematical biology. For area (1), preference will be given to candidates with consulting experience and a research agenda open to across-campus and off-campus collaborations. For area (1), the appointment could be at the Associate Professor level, depending on the candidate's level of experience and relevant credentials.

Applicants should have a vita, statements on teaching and research and three letters of recommendation—one of which should address teaching effectiveness—sent to:

Chair, Appointments Committee, Department of Mathematics, Cleveland State University, 2121 Euclid Avenue,

Cleveland, OH 44115

Applications received by November 21, 2005 will receive full consideration; the positions will remain open until filled. Applications sent by email will not be considered.

Cleveland State University is a comprehensive urban university located in downtown Cleveland. The usual teaching load for faculty engaged in research is two (2) courses per semester. Cleveland State University is an AA/EOE committed to nondiscrimination. M/F/D/V encouraged. Visit our Web site at www.csuohio.edu.

USA: Ohio

Ohio University

Department of Mathematics

Applications are invited for a tenure-track position in statistics at the assistant or associate professor level, beginning September 1, 2006.

Applicants must have a Ph.D. in mathematics or statistics and demonstrate evidence of excellent teaching ability and outstanding research potential.

We seek candidates with research and teaching interests that complement those of current faculty, and who are committed to strengthening our graduate and undergraduate programs. The salary is competitive, with an excellent fringe benefit package.

Review of applications will begin on December 1, 2005.

Send curriculum vitae, outline of research accomplishments and plans, statement on teaching philosophy and experience, and arrange to have three letters of recommendation sent to: *Chair, Statistics Search Committee, Department of Mathematics, 321 Morton Hall, Ohio University, Athens, Ohio 45701-2979.* Candidates may also be asked to provide graduate transcripts.

For details about the department including its Ph.D. and Master's programs, see http://www.math.ohiou.edu/

Ohio University is a research-extensive institution enrolling 19,920 students on the Athens campus and more than 7,100 students on five regional campuses. Further information about the university may be found at http://www.ohio.edu/

Ohio University is an Equal Employment Opportunity, Affirmative Action employer. Women and minorities are encouraged to apply.

USA: Ohio

The Ohio State University

The Mathematical Biosciences Institute (MBI) at The Ohio State University is accepting applications for postdoctoral positions to start September, 2006, which are renewable for up to 3 years. Some positions are co-sponsored by industry or academic bioscience labs.

The deadline for applications is January 18, 2006. Short- and long-term visitors may apply at any time. To access the application form or for more information, visit the MBI website at http://mbi. osu.edu or call (614) 292-3648.

The Mathematical Biosciences Institute adheres to the AA/EOE hiring guidelines.

USA: South Carolina

Clemson University Department of Mathematical Sciences

The Department of Mathematical Sciences at Clemson University invites applications for tenure-track statistics faculty positions starting with the Fall 2006 semester. Statistics is part of a comprehensive department at Clemson University which also includes the areas of computational mathematics, mathematics education, operations research, analysis, algebra and discrete mathematics. The Department offers Ph.D., M.S., and B.S. degrees in Mathematical Sciences, with a concentration in Statistics, and there presently are 80 students in the graduate program. Targeted recruiting is for the assistant professor rank but applicants for all ranks will be considered. Desirable attributes for candidates include an interest in interdisciplinary research and consulting projects, teaching both graduate and undergraduate courses in statistics and supervising M.S. and Ph.D. students. An earned doctorate or equivalent is required for the tenure track positions. Applications received by December 1, 2005 will receive full consideration. Applicants should indicate their research specialties and interests in their cover letter. Vita and three reference letters should be sent to

Faculty Search Committee Department of Mathematical Sciences Box 340975, File IM Clemson University Clemson, SC 29634-0975

For further information regarding the department and its programs, please visit the web site http://www.math.clemson.edu. Clemson University is an AA/EO employer and does not discriminate against person or group on the basis of age, color, disability, gender, national origin, race, religion, sexual orientation, or veteran's status. Women and minorities are encouraged to apply.

USA: Pennsylvania

Carnegie Mellon University

Applications are invited for tenure-track, lecturer, and visiting positions, including NSF-VIGRE supported three-year visiting assistant professorships with reduced teaching load. Carnegie Mellon offers a collegial 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

Faculty Positions Department of Statistics Texas A&M University

The Department of Statistics at Texas A&M University anticipates multiple tenure track openings starting 9/06. Rank and salary are open. A PhD/DSc degree or the completion of all requirements for the degree prior to beginning employment is required. Successful candidates are expected to have a strong commitment to research and teaching. The department has a strong tradition of theoretical and interdisciplinary research. Current faculty members actively collaborate with members of other colleges, including Science, Agriculture and Life Sciences, Engineering, Geosciences, Veterinary Medicine, Medicine, Public Health, as well as the Faculties of Genetics, Nutrition and Toxicology. Excellent computing facilities are available and highly competitive startup funding is anticipated.

Texas A&M University is an equal opportunity employer. The University is dedicated to the goal of building a culturally diverse and pluralistic faculty and staff committed to teaching and working in a multicultural environment and strongly encourages applications from women, minorities, individuals with disabilities and veterans.

Through an aggressive reinvestment plan Texas A&M University will increase the faculty by 20% over the next few years. These additional faculty positions allow the University to be responsive to the needs of dual career couples.

The Department of Statistics is especially interested in candidates who can contribute to the diversity and excellence of the academic community through their research, teaching and/or service.

Faculty Search Committee Department of Statistics Texas A&M University 3143 TAMU College Station, TX 77843-3143

Evaluation of applications will begin December 1, 2005. Applications will continue to be accepted until the positions are filled.

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

USA: Utah

Utah State University

Tenure track Assistant Professor position in statistics, beginning August 2006. Candidates must have a Ph.D. in statistics, biostatistics, or closely related field and strong potential for excellence in research and teaching.

Send application letter, vita, academic transcripts, and three recommendation letters (one appraising teaching) to

Statistics Search Committee, Mathematics and Statistics, Utah State University, Logan, UT 84322-3900. Review begins December 12, 2005; open until filled. EOE: EO/AA Employer. M/F/D/V.

URL: http://www.math.usu.edu/statpositiono5.htm



USA: Virginia

Statistics Positions at Virginia Tech

The College of Science at Virginia Tech (http://www.cos.vt.edu/), in cooperation with the Institute for Biomedical and Public Health Sciences (IBPHS, http://www.ibphs.vt.edu/), the Institute for Critical Technology and Applied Science (http://www.eng.vt.edu/ictas/), and the College of Liberal Arts and Human Sciences (http://www.clahs.vt.edu/), has an on-going effort to strengthen research in infectious diseases, human developmental sciences, nanoscience, and computational science. The Department of Statistics anticipates hiring tenure track faculty to work with scientists in one or more of these areas on issues ranging from design to development and application of data analytic methodologies; further details may be found under "job openings" at http://www.stat.vt.edu/. We encourage applications from all strong candidates who enjoy and are dedicated to the model of statistics, or a closely related field, is required. Positions will start as early as Fall 2006.

Senior applicants must have a distinguished record demonstrating research leadership, significant external funding, and successful collaboration with researchers from other disciplines. He or she must be able to direct Ph.D. dissertations as well as mentor and collaborate with junior faculty. Previous experience in accordance with one of the targeted research initiatives is helpful, but not required. There are strong statistical links among some of these initiatives, and those with multiple interests are especially welcome to apply.

Junior candidates are also urged to apply. Junior researchers can expect a supportive environment in a long-established department that encourages and provides ample opportunity for exposure to, and collaboration in, novel, cross-disciplinary methodological

development. Completion of the Ph.D. degree is expected prior to appointment.

The Department of Statistics currently has 12 tenured or tenure-track faculty members with diverse research interests. Located in scenic southwest Virginia, Virginia Tech is a land-grant institution and the largest public university in the state.

Review of applications will begin on December 1, 2005. All applications including a cover letter, curriculum vitae and a statement of research goals and teaching goals should be submitted to http://jobs.vt.edu/. Three letters of recommendation should be submitted to *Dr. J P Morgan, Search Chair, Department of Statistics, Virginia Tech, Blacksburg, VA 24061-0439.*

Virginia Tech is committed to recruiting, selecting, promoting, and retaining women, persons of color, and persons with disabilities. The University is a recipient of an NSF Advance grant which opens up a wide range of networking and development oppor-

tunities to women in science and engineering (http://www.advance.vt.edu). We strongly value diversity in the university and seek to assure equality in education and employment. Individuals with disabilities desiring accommodation in the application process should notify Melissa Simpkins, College of Science (msimpkin@vt.edu; 540-231-4033, or call TTY: 1-800-828-1120).

USA: Washington

Fred Hutchinson Cancer Research Center, Seattle Post-Doctoral Research Fellow (Revised) #JS-016314

The Statistical Center for HIV/AIDS Research and Prevention seeks a Ph.D. in Statistics/Biostatistics or related field for a one-to-two year postdoctoral position to work on problems including surrogate endpoint in HIV vaccine trials, with the potential for extension to longer term.

The ideal candidate will possess:

- Strong statistical computation and programming skills (experienced in a) R or Splus, or b) Fortran, or c) SAS, best if has experience with Matlab programming),
- Proficiency in statistical theories and their applications,
- An interest or experience in biomedical applications of statistics, preferably with experience in nonparametric statistical methods, survival analysis and longitudinal analysis,
- Excellent communication skills, written skills and ability to take initiative and give creative input.

For more information or to apply, visit www.fhcrc.org

The Fred Hutchinson Cancer Research Center is an independent, nonprofit research institution dedicated to the development and advancement of biomedical research.

USA: Wisconsin

University of Wisconsin – Madison

Tenure-track assistant professor position in UW-Madison Statistics Department, with interest in theory and methodology research, beginning Fall 2006. PhD in Statistics or closely related quantitative field at time of appointment required. Responsibilities include training graduate students.

See http://www.stat.wisc.edu

Send letter of application, resume, research summary, and three reference letters to:

Hiring Committee, Statistics Department, UW-Madison, 1300 University Avenue,

Madison, WI 53706.

Deadline: December 16, 2005. University of Wisconsin is an AA/EOE. Women and minorities encouraged to apply.



Check out the IMS employment pages http://imstat.org/jobs

LECTURE NOTES – MONOGRAPH SERIES



LNMS 46 Stein's Method: Expository Lectures and Applications

Persi Diaconis and Susan Holmes, Editors

Stein's method is one of the most powerful tools for proving limit theorems with sharp, explicit errors for complex dependent problems. It is curiously hard to grasp how and why it works since it avoids both characteristic functions and higher moments.

This book consists of tutorial and survey papers aimed at teaching Stein's method to non specialists. The book provides a self contained development with motivation and full proofs. As a unifying theme, all papers use Stein's approach of exchangeable pairs. In addition to the usual Poisson and Normal approximations the book gives applications to convergence of Markov chains on finite state spaces, to birth and death chains and to empirical process convergence for the bootstrap.

One novel feature is the development of Stein's method as an adjunct to simulation via Monte Carlo. Usually, the identities underlying the method give an explicit error term which is bounded. With the present version using exchangeable pairs, the error is given as an explicit expectation for the reversible Markov chain. It can thus be easily simulated to give improvements to classical approximations.

The authors of various chapters, Persi Diaconis, Jason Fulman, Gesine Reinert, Susan Holmes, Mark Huber and Charles Stein have used common notation and worked together to achieve a unified treatment.

Price US\$35

IMS Member Price US\$21

Order online: http://www.imstat.org/orders

Or send payment (*Mastercard/Visa/American Express/Discover, or check, payable on a US bank in US funds*): Institute of Mathematical Statistics, Dues and Subscriptions Office, 9650 Rockville Pike, Suite L2310, Bethesda MD 20814-3998, USA Tel: (301) 530-7029 Fax: (301) 571-5728 Email: staff@imstat.org

International Calendar of Statistical Events

IMS meetings are highlighted in maroon with the *lims* logo and new or updated entries have the **symbol.** t means telephone, **f** fax, **e** email and **w** website. Please submit your meeting details and any corrections to Elyse Gustafson at erg@imstat.org

November 2005

November 10–13: University of Florida, Gainesville, FL. Conference on Martingale, Potential Theory and Stochastic Analysis. Contact Dr Liqing e Yan yan@math.ufl.edu w http://www.math.ufl.edu/~sam/payr/

November 17-18: New York University. 4th Northeast Probability Seminar w http:// www.math.csi.cuny.edu/probability/Northeas tProbabilitySeminar

November 17-19: Texas Tech University, Lubbock, Texas. Red Raider Mini-symposium: Geometry, Statistics and Image Analysis. w http://www.math.ttu. edu/~rpaige/redraider_html/RedRaider2005. html

December 2005

December 19-20: University of Copenhagen. Third TN Thiele Symposium on Stochastic Volatility. w http://www.math. ku.dk/~michael/thiele3/

December 27–31: Petaling Jaya, Malaysia. Statistics in the Technological Age. Organized by the Institute of Mathematical Sciences, University of Malaya, Kuala Lumpur, Malaysia. Contact Ramesh Gupta rcgupta@maine.maine.edu or S H Ong ongsh@um.edu.my w http//iscm.math. um.edu.my

December 28-30: Bangalore, India. 25th Annual Conference of the Indian Society for Probability and Statistics (ISPS). Jointly organized by Bangalore University and the Indian Statistical Institute. Organizing Secretary: H J Vaman **e** isps_conf2005@yahoo.co.in

January 2006

January 13-14: Gainesville, Florida. University of Florida Eighth Annual Winter Workshop on Frontiers of Theoretical Statistics. e carol@stat.ufl.edu w http://www. stat.ufl.edu/symposium/2006/theory/index. html

January 16–18: Honolulu, Hawaii. Fifth Annual Hawaii International Conference on Statistics, Mathematics and Related Fields. Andrew Burge, Conference Coordinator. t 808-946-9927 f 808-947-2420 e statistics@hicstatistics.org w http://www. hicstatistics.org

February 2006

February 15–16: Santa Monica, CA. First Annual Conference on Quantitative Methods and Statistical Applications in Defense and National Security. Contact Technical Program Chair Lara Schmidt Lara_Schmidt@rand.org w http://www.rand. org/events/nsm2006.html

March 2006

Frankfurt/Main, Germany. German Open Conference on Probability and Statistics. w http://stoch2006.math.uni-frankfurt. de/index_en.html

ENAR/IMS Spirit OCALLS. MARCH 19–22: New Orleans, LA. 2006 ENAR/IMS Spirit OCALLS. MAS Program Chair TBA. White MACOL MANOR/Meetings.htm

March 20-24: CIMAT, Guanajuato, Mexico. Conference on Stochastics in Science, in honor of Ole E Barndorff-Nielsen's 71st Birthday. Further information pabreu@cimat.mx w http://www.cimat.

mx/Eventos/oebn-conference

March 23–25: University of Goettingen, Germany. Workshop on Statistical Inverse Problems. Heike Ahrens t ++49-(0)551/39-4523 e gk1023@math.uni-goettingen.de w http://www.num.math.uni-goettingen.de/gk/ conference/conferences.php?LANG=EN

New Cims March 26–29: Hyatt Regency Tampa, Florida. 2006 ENAR Spring Meeting. NOTE NEW LOCATION AND DATE. IMS co-program chairs: Michael Kosorok and Jason Fine, University of Wisconsin-Madison. w http://www.enar. org/meetings.htm

March 29–31: San Diego, California. Salford Systems Data Mining 2006 Conferences. w http://www.salforddatamining. com/2006InfoRequest.php

April 2006

April 5: Southampton Statistical Sciences Research Institute Southampton, UK. Analysis of Panel Data: short course preceding symposium on the Convergence of Methods for the Analysis of Panel Data. Contact Peter Smith **e** panel@s3ri.soton. ac.uk **w** http://www.s3ri.soton.ac.uk/events/ seminars/index.php

April 6–7: Southampton, UK. Convergence of Methods for the Analysis of Panel Data. Contact Peter Smith **e** panel@s3ri.soton. ac.uk **w** http://www.s3ri.soton.ac.uk/events/ seminars/index.php

April 19–21: Ghent, Belgium. Second International Meeting Methodological Issues in Oral Health Research: Assessing and Improving Data Quality. w http:// med.kuleuven.be/biostat/conferences/ Dental2006/

May 2006

May 10–13: DIMACS Center, Rutgers University, Piscataway, NJ. Annual Meeting of the Classification Society of North America (CSNA06): Network Data Analysis and Data Mining: Applications in Biology, Sociology, Computer Science, Intrusion Detection, and Related Areas. e csna06@dimacs.rutgers.edu w http://dimacs. rutgers.edu/Workshops/CSNA/

May 17–19: Cork, Ireland. Annual meeting of the Irish Statistical Association. Local organiser: Kingshuk Roy Choudhury, University College Cork, Ireland. **e** kingshuk@ stat.ucc.ie

Workshop on Frontiers of Statistics. IMS Reps: Jianqing Fan, Luisa Fernholz, Hira Koul. **w** http://www.orfe.princeton.edu/conferences/frontiers/index.htm

May 24–27, 2006: Pasadena, California. Interface 2006: Massive Data Sets and Streams. Amy Braverman **e** Amy. Braverman@jpl.nasa.gov **w** http://www. galaxy.gmu.edu/Interface2006/ i2006webpage.html

May 28–31: London, Ontario. 2006 Annual Meeting of the Statistical Society of Canada. Local Arrangements Chair, David Bellhouse: Dept of Statistical & Actuarial Sciences, Western Science Centre, U of Western Ontario, London, Ontario, Canada, N6A 5B7, e bellhouse@stats.uwo. ca t (519) 661-3614 f (519) 661-3813. Scientific program chair Richard Lockhart e lockhart@sfu.ca

May 29–31: Limassol, Cyprus. Statistical Models for Biomedical and Technical Systems. IMS Rep: Filia Vonta, University of Cyprus. t (357) 22892625 f (357) 22892601 e biostat2006@ucy.ac.cy w http:// www.ucy.ac.cy/biostat2006

June 2006

June 1-7: Benidorm, Spain. Valencia / ISBA 8th World Meeting on Bayesian Statistics. Join the Valencia 8 mailing list: e valenciameeting@uv.es w http://www.uv.es/ valenciameeting

NEW June 4–29: Snowbird Resort, Snowbird, Utah. 2006 Joint AMS-IMS-SIAM Summer Research Conferences. Write for invitation to Summer Research Conferences Coordinator, AMS, P.O. Box 6887, Providence, RI 02940 e wsd@ams. org by March 3, 2006. w http://www.ams. org/meetings/srco6.html

June 5–9: Smolenice Castle, Slovak Republic. PROBASTAT 2006: Fifth International Conference on Probability and Statistics. PROBASTAT2006, Institute of Measurement Science, Slovak Academy of Sciences, Dubravska cesta 9, 841 04 BRATISLAVA, Slovak Republic. e probastat@savba.sk w http://aiolos.um.savba.sk/~viktor/probastat. html

June 6–8: Sydney, Australia. Salford Systems Data Mining 2006 Conferences. w http://www.salforddatamining. com/2006InfoRequest.php

June 12–15: Penn State University, University Park, PA. Statistical Challenges in Modern Astronomy IV. IMS Rep: G Jogesh Babu e babu@stat.psu.edu w http:// astrostatistics.psu.edu

June 14–17: University of Connecticut, Storrs, CT. ICSA 2006 Applied Statistics Symposium. Prof Ming-Hui Chen, Department of Statistics, University of Connecticut, e mhchen@stat.uconn.edu w http://www.icsa.org

June 19–24: University of Illinois at Urbana-Champaign. Conference on Stochastic Networks. Chair: PRKumar. w http://www.comm.csl.uiuc.edu/~srikant/ stochnet.htm June 25–30: Vilnius, Lithuania. 9th International Vilnius Conference on Probability Theory and Mathematical Statistics. Aleksandras Plikusas e conf@ktl.mii.lt w http:// www.science.mii.lt/vilconf9/

June 26–29: Prague, Czech Republic. S4G (Stereology, Spatial Statistics, Stochastic Geometry): 6th International Conference. Viktor Benes e benesv@karlin.mff.cuni.cz or Radka Juzkova e radka.juzkova@svses.cz. w http://www.karlin.mff.cuni.cz/s4g/

ability Summer School. Details to follow.

July 2006

July 2–7: Salvador (Bahia), Brazil. ICOTS-7: Working Cooperatively in Statistics Education. Contact Carmen Batanero e batanero@ugr.es w http://www.maths.otago. ac.nz/icots7

July 3–6: Auckland, New Zealand. Australian Statistics Conference & New Zealand Statistical Association Conference. David Scott **e** d.scott@auckland.ac.nz

July 16-21: Montreal, Canada. XXIII International Biometrics Conference. Travel Support: apply by May 1, 2006 to Lynne Billard, Department of Statistics, University of Georgia, Athens, GA 30602 t 706-542-3281; f706-542-3391; e lynne@ stat.uga.edu w http://www.ibc2006.org

Stochastic Processes and Applications XXXI. IMS reps: E Perkins, J Pitman, P Protter, A Sznitman, S Tavare and E Waymire. **w** http://www.proba.jussieu. fr/pageperso/spao6/index.html

July 24–28: Toruń, Poland. 26th European Meeting of Statisticians. e ems2006@umk.pl w http://www.ems2006.umk.pl

International Calendar continued

Times July 30 - August 4: Rio de Janeiro, Brazil. IMS Annual Meeting and XEBP Brazilian School of Probability meeting. At the Instituto Nacional de Matemática Pura e Aplicada (IMPA) in Rio de Janeiro. Program Chairs: Robert Adler and Steve Lalley (Probability); Sara van de Geer and Guenther Walther (Statistics); Local Chair: Maria Eulália Vares, CBPF w http://www.imstat.org/meetings/IMS2006/

August 2006

JSM2006. w http://www.amstat.org/meetings/jsm/2006

August 21-25: Prague, Czech Republic. Prague Stochastics 2006: joint session of the 7th Prague Symposium on Asymptotic Statistics and the 15th Prague Conference on Information Theory, Statistical Decision Functions and Random Processes. Zuzana Prášková e praskova@karlin.mff.cuni.cz w http://www.utia.cas.cz/pragstocho6

August 28 – September 1: Rome, Italy. COMPSTAT2006: 17th Conference of the International Association for Statistical Computing. w http://w3.uniroma1.it/ compstat2006 e compstat2006@uniroma1.it

September 2007

NEW September 10–14: Queen's University Belfast, Northern Ireland. RSS 2006 Conference. Paul Gentry e conference@rss. org.uk w http://www.rss.org.uk/rss2006

September 27–29: Pamplona, Spain. International Workshop on Spatio-Temporal Modelling (METMA3). Lola Ugarte: t +34 948 169 202; f +34 948 169 204; **e** metma3@unavarra.es **w** http://www. unavarra.es/metma3

April 2007

Ims April 15–18: Miami, FL. 2007 **ENAR/ IMS Spring Meeting.** IMS Program Chair TBA. **w** http://www.enar.org/meetings.htm

June 2007

June 9–13, 2007: St John's, Newfoundland. 35th Annual Meeting of the Statistical Society of Canada. Local Arrangements Chair: Brajendra Sutradhar e bsutradh@ math.mun.ca t (709) 737-8731 f (709) 737-8731

July 2007

July 9-11: Eindhoven, The Netherlands. 2007 Applied Probability INFORMS Conference. Hosted by EURANDOM and Eindhoven University of Technology. Local organiser Onno Boxma boxma@eurandom.tue.nl w http://appliedprob.society.informs.org/INFORMS2007/ Index.html

Ums July 29 – August 2: Salt Lake City, Utah. IMS Annual Meeting at JSM2007

July 2008

ims July 20–26: Singapore. IMS Annual Meeting in conjunction with Bernoulli World Congress. Details to follow.

August 2008

Lims August 3–8: Denver, Colorado. JSM2008.

August 2009

Lims August 2–6: Washington, DC. IMS Annual Meeting at JSM2009

August 2010

Lims August 1–5: Vancouver, British Columbia, Canada. JSM2010.

July 2011

Lims July 31 – August 4: Miami Beach, Florida. IMS Annual Meeting at JSM2011.

These meetings are also listed on the 'Meetings' page of the IMS website, at

http://www.imstat.org/meetings



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Journals: The scientific journals of the Institute of Mathematical Statistics are *Statistical Science*, *The Annals of Statistics*, *The Annals of Probability* and *The Annals of Applied Probability*. The *IMS Bulletin* is the news organ of the Institute.

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5:	June	May 1	May 15	June 1
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7:	August/September	July 1	July 15	August 1
8:	October	September 1	September 15	October 1
9:	November	October 1	October 15	November 1
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December 2005

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IMS: Organized September 12, 1935

JSM Seattle: August 6–10, 2006

JSM (the Joint Statistical Meetings) is the largest gathering of statisticians held in North America. It is held jointly with the American Statistical Association, the International Biometric Society (ENAR and WNAR), the Institute of Mathematical Statistics,



and the Statistical Society of Canada. Attended by over 5000 people, activities of the meeting include oral presentations, panel sessions, poster presentations, continuing education courses, exhibit hall, career placement service, society and section business meetings, committee meetings, social activities, and networking opportunities. Seattle is the host city for JSM 2006 and offers a wide range of possibilities for sharing time with friends and colleagues. For information, contact jsm@amstat.org or phone toll-free (800) 308-8943. Check out http://www.seeseattle.org for more information.

