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IMS Bulletin

October 2006

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# IMU Prizes for Probabilists

Probability as a branch of mathematics was given a boost in August when the International Mathematical Union (IMU) awarded three of its top prizes to colleagues working in the field. The IMU awarded its 2006 prizes on August 22, 2006 during the Opening Ceremony of the International Congress of Mathematicians in Madrid, Spain: see http://www.icm2006.org/ for details of the meeting. The prizes were presented to the recipients by King Juan Carlos of Spain.

One of the four Fields Medals was awarded to Wendelin Werner, University of Paris-Sud in Orsay and Ecole Normale Supèrieure in Paris, "for his contributions to the development of stochastic Loewner evolution, the geometry of two-dimensional Brownian motion, and conformal field theory". Another of the Fields Medals was awarded to Andrei Okounkov, Princeton University, "for his contributions bridging probability, representation theory and algebraic geometry".

The first Carl Friedrich Gauss Prize for Applications of Mathematics was awarded to Kiyoshi Itô for his development of stochastic analysis. Since Kiyoshi Itô, who is 90, was not well enough to attend the award ceremony, IMU President John Ball presented the Gauss medal to him at a special ceremony on September 14, 2006 in Kyoto.

IMU prizes are awarded every four years at the Opening Ceremony of the International Congress of Mathematicians. The Fields Medal, first awarded in 1936, recognizes outstanding mathematical achievement by a person not older than 40. It is often described as math's equivalent to the Nobel Prize. The medals, which are gold-minted, are named after the Canadian mathematician John Charles Fields (1863–1932). The Carl Friedrich Gauss Prize, first awarded in 2006, recognizes outstanding mathematical contributions that have found significant applications outside of mathematics. The prize is awarded jointly by the German Mathematical Union, Deutsche Mathematiker-Vereinigung (DMV) and the IMU, and administered by the DMV.

Information about all the IMU prize winners can be found at http://www.mathunion.org/medals/2006/

*Wendelin Werner [top] and Andrei Okounov [middle] received the Fields Medal, the most prestigious prize in mathematics. Kiyoshi Itô [bottom] received the first Gauss Prize for Applications of Mathematics*

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# IMS Members' News

The editor of *Sequential Analysis*, Nitis Mukhopadhyay, has announced that the winners of the 2006 Abraham Wald Prize in Sequential Analysis for the best article that appeared in the journal last year are Joe Glaz and Vladimir Pozdnyakov of the University of Connecticut–Storrs, for their article, 'A Repeated Significance Test for Distributions with Heavy Tails,' in *Sequential Analysis* 2005, 24:1, 77–98. The winning article can be viewed online free of charge at http://journalsonline.tandf.co.uk/link.asp?id=eb3373b39b95

Glaz accepted the award on behalf of the pair at a special ceremony during the Joint Statistical Meetings in Seattle in August. He said, "Vladimir and I feel deeply honored to accept this prestigious award named after Abraham Wald. Sequential analysis as a field and *Sequential Analysis* as a journal belong to mainstream statistics." Mukhopadhyay says, "The winning paper developed ground-breaking methodologies by extending the scope of applications of Wald's sequential probability ratio test. I believe that this work has the potential to lead to new methodological research in a number of contemporary areas including clinical trials, survival analysis, reliability analysis, financial modeling, and network intrusion under more realistic heavy-tail likelihood functions."

Glaz's research areas include applied probability, probability inequalities, scan statistics, sequential analysis, and simultaneous inference. He is the founding Editor-in-Chief for the journal, *Methodology and Computing in Applied Probability*. Glaz is an elected Fellow of ASA and an Ordinary Member of the International Statistical Institute. Pozdnyakov's research areas include limit theorems, mathematical finance, occurrence of patterns, and sequential analysis.

In the award ceremony, the *Sequential Analysis* journal editor's special invited paper, 'Closed Adaptive Sequential Designs with Applications to Clinical Trials', was presented by Pinyuen Chen (Syracuse University).

*Sequential Analysis* is a refereed interdisciplinary journal committed to contributing to both theoretical and applied aspects of sequential methodologies in all areas of statistical science. The journal can be viewed online at www.tandf.co.uk/journals/titles/07474946.asp

### New IMS Bulletin Editor announced

IMS Council has confirmed the appointment of Xuming He, University of Illinois at Urbana-Champaign, as the next Editor of the *IMS Bulletin* (from January). Xuming's homepage is www.stat.uiuc.edu/~x-he/

Xuming will be appointing a small team of Contributing Editors: Peter Bickel (UC Berkeley), Rick Durrett (Cornell), Nicole Lazar (Georgia), Terry Speed (UC Berkeley) and Louis Chen (NUS Singapore). Xuming says, "I am very grateful to the CEs for agreeing to work with us on the *Bulletin*."

Tati Howell [*pictured, right, with Xuming*] will be staying on as Assistant Editor. The *Bulletin*'s contact details will remain unchanged.

# More Members' News

### Sørensen elected to Royal Danish Academy

Michael Sørensen, professor of mathematical statistics at the University of Copenhagen, has been elected a member of the Royal Danish Academy of Sciences and Letters. The Academy was founded in 1742 with the sanction of King Christian VI. Currently the membership of the Academy consists of approximately 250 Danish and 250 foreign members.

### Bruce Lindsay to head Penn State Department of Statistics

IMS Fellow Bruce G. Lindsay, the Willaman Professor of Statistics and director of the Center for Likelihood Studies in the Eberly College of Science, has been appointed as head of the Department of Statistics. He succeeds James Rosenberger, who has served as head of the department since 1991.

Lindsay's statistical research includes likelihood-based statistical inferences, which are widely used in scientific data analyses and mixture models, which are used when data are collected from a mixture of populations. His work in this area is recognized as a major contribution to the foundations of statistical theory. In conjunction with his work in statistical theory, Lindsay develops statistical methods that are useful for research in other scientific disciplines. In recent years, he has constructed models and analyses that have been applied to biological data from genomic studies. An additional portion of his research is concerned with developing the computer algorithms needed to make statistical inferences from complex probability models.

Lindsay is a fellow of IMS and ASA, and a member of the Mathematical Association of America, the International Statistical Institute, and the UK Royal Statistical Society. He served on the panel for the National Research Council Committee on Fish Stock Assessment Methods from 1995–7. In 2000 he served on the speaker-selection panel for the Conference Board of Mathematical Sciences, and in 2002 on the proposal-evaluation panel for the National Science Foundation Probability and Statistics Program.

Lindsay has published 59 scientific papers, has contributed book reviews and proceeding articles to several publications, and has contributed entries to both the *Encyclopedia of Statistics* and the *Encyclopedia of Biostatistics.* He has served on the editorial boards for several journals and has presented invited talks at scientific meetings around the world. Lindsay's scientific contributions have been recognized with a Humboldt Senior Scientist Research Award in 1990 and a Guggenheim Fellowship in 1996. In 1997 he was co-winner of the COPSS Snedecor Award. In 1998 he received a certificate of recognition from the Penn State chapter of the scientific research society Sigma Xi for outstanding support of research students. He has supervised 22 doctoral students, 13 of whom now are faculty members at other higher education institutions.

Lindsay received his bachelor's degree in mathematics from the University of Oregon in 1969. He then studied at Yale University and served in the U.S. Coast Guard before earning his doctoral degree in biomathematics at the University of Washington in 1978. He joined the Penn State faculty in 1979 as an assistant professor of statistics, then was promoted to the position of associate professor in 1985 and to professor in 1987. He was named Distinguished Professor of Statistics in 1992 and Willaman Professor of Statistics in 2004.


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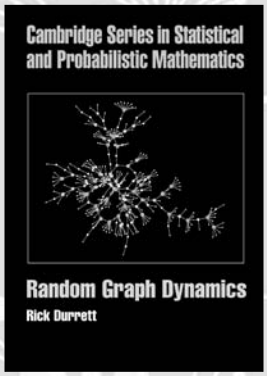


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# COPSS: 2006 Award winners

The Committee of Presidents of Statistical Societies (COPSS) annually presents awards to honor statisticians that reflect recognition cross-cutting IMS, the American Statistical Association (ASA), the Eastern and Western North American Regions of the International Biometric Society (ENAR/WNAR), and the Statistical Society of Canada (SSC). Three COPSS Awards were presented at the 2006 Joint Statistical Meetings in Seattle, Washington, in August.

The 2006 Elizabeth L. Scott Award was presented to Dr Louise Ryan, Harvard School of Public Health. This award honors an individual who, like its namesake, helped foster opportunities in statistics for women in academia, whether through role modeling, developing programs to encourage women to seek careers in statistics, successfully mentoring women students or new researchers, or working to identify gender-based inequities in employment. The award citation recognized Dr Ryan for *"serving as a highly visible role model for women at Harvard and around the world; for developing an exemplary summer program for recruiting minority and female students to graduate study in biostatistics; for excellent mentoring; and for supervising numerous female PhD students and postdoctoral scholars who now are in position to influence the next generation of women in statistics."*

The 2006 Presidents' Award was presented to Dr Xihong Lin, also from Harvard School of Public Health. The award is made annually in recognition of outstanding contributions to the statistics profession by a "young" statistician (generally under 41, but in circumstances of later terminal degree completion, under 46). The award citation recognized Dr Lin for *"fundamental contributions to statistical methodology and theory for longitudinal data and clustered survival data, including nonparametric kernel and spline methods as well as semiparametric regression methods, mixed effects models, and measurement error models."* It also cited Dr. Lin's excellence in statistical applications in health sciences; outstanding editorial and professional services; her founding the highly successful ENAR mentoring workshop for junior faculty in biostatistics; and her outstanding work as a teacher and mentor.

*Above: COPSS President's award winner Xihong Lin [right] accepts her award from COPSS chair Linda Young. Below left: Winner of the 2006 Elizabeth L. Scott award, Louise Ryan. Below right: Fisher lecturer Terry Speed. Photos courtesy of Eric Sampson, ASA*

The 2006 R. A. Fisher Lecture was delivered by Terence P. Speed, University of California at Berkeley and The Walter & Eliza Hall Institute of Medical Research, Melbourne, Australia. The Fisher Lectureship is awarded annually to a leading present-day statistician who has contributed significantly to scientific investigation through the development and promotion of statistical methods. The award citation recognized Dr. Speed for *"fundamental contributions to the field, spanning early work on spatial models and contingency tables, through his contributions to classical ANOVA, to his innovative research in statistical genetics and genomics, through which Professor Speed has profoundly influenced the theory and practice of statistical science".*

Terry's lecture was entitled "Recombination and Linkage."

## The 2005 Jacob Wolfowitz Prize

The 2005 Jacob Wolfowitz Prize for Theoretical Advances in the Mathematical and Management Sciences has been awarded to Professors P R Parthasarathy (Indian Institute of Technology, Madras, Chennai, India) and R B Lenin (of Dhirubhai Ambani Institute of Information & Communication Technology, Gujarat, India) for their paper, "*Birth and Death Process (BDP) Models with Applications—Queueing, Communication Systems, Chemical Models, Biological Models: The State-of-the-Art with a Time-dependent Perspective*," in Vol. 24 of the *American Journal of Mathematical and Management Sciences* (ISSN 0196-6324).

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# **Tweedie Award:** nominate or apply now!

Richard Lewis Tweedie played a significant role throughout his professional career in mentoring young colleagues at work and through professional society activities. With funds donated by his friends and family, IMS has created the Tweedie New Researcher Award, to fund travel to present the *Tweedie New Researcher Invited Lecture* at the IMS New Researchers' Conference, which will be held next year at the University of Utah, just before the Joint Statistical Meetings in Salt Lake City.

Eligibility: A new researcher is within five years of the completion of their doctoral degree. Nominees should be members of the IMS at time of nomination.

Amount: Up to US$2000 per award, to be reimbursed against receipts.

Nomination Process: Send the following via email to erg@imstat.org (include the subject line TWEEDIE NOMINATION: <last name of nominee>). Items can be sent as PDF, PS or plain text attachments:

- Nomination form (download in Word or PDF format from http://www.imstat.org/awards/tweedie.html)
- Extended abstract, CV, and two letters of recommendation

If electronic submission is not possible, please send six collated copies to:

*Tweedie Award Nomination*
*Institute of Mathematical Statistics*
*3163 Somerset Dr*
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Deadline: All nominations must be received by December 1, 2006.

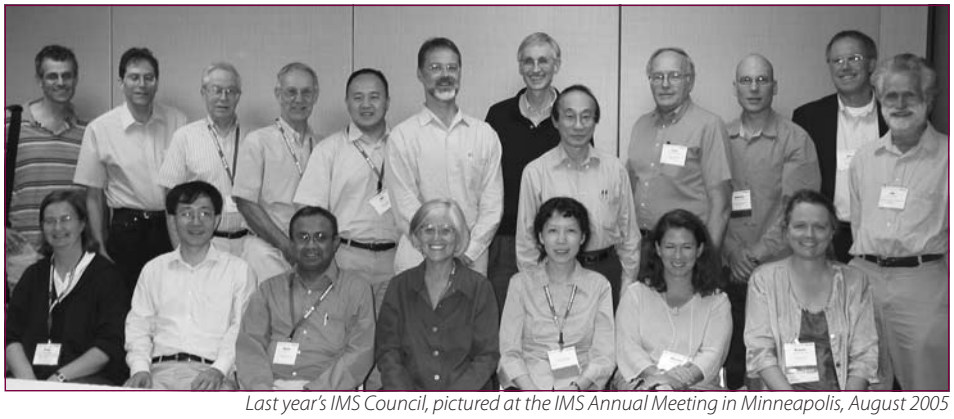
*Above: Savas Dayanik delivering this year's Tweedie New Researcher Invited Lecture, at the New Researchers' Conference (NRC) in Seattle. Savas is an Assistant Professor in the Department of Operations Research and Financial Engineering, Bendheim Center for Finance, at Princeton University. Photo courtesy of Peter Craigmile, Chair of the New Researchers Committee, which organized NRC06. Peter's report of the meeting is on page 12.*

**Is there someone you think should be an IMS Fellow? Or who deserves the IMS Carver Award? There will be a call for nominations in the next issue, so start thinking now!**

# **Call for Nominations** for the IMS Council and President-Elect

Do you know someone who could contribute their time and expertise to the IMS? Then you may want to consider nominating them to serve on the IMS Council or as IMS President-Elect.

Please forward the nominee's name, CV, and a brief recommendation to Nancy Flournoy, Chair of the IMS Committee on Nominations at flournoyn@missouri.edu by December 1, 2006.



*Last year's IMS Council, pictured at the IMS Annual Meeting in Minneapolis, August 2005*

# IMS 2006 and X EBP: Rio de Janeiro, Brazil

## 2006 IMS Annual Meeting & X Brazilian School of Probability (X EBP)

IMPA, Rio de Janeiro, Brazil July 30–August 4, 2006

The 69th IMS annual meeting took place in conjunction with the 10th Brazilian School of Probability and the 5th International Symposium of Probability and its Applications, at IMPA in Rio de Janeiro from July 30 to August 4, 2006.

The meeting was well attended, with 322 people, including 73 students, attending from 31 countries. A major blow for the meeting's organizers happened a few days before the meeting: the beleaguered Brazilian Airline, Varig, was sold and its new owners cancelled all international flights, just as participants were about to fly to Rio from all over the world. Other airlines flying in to Brazil were then completely overbooked. This left 37 of the meeting's participants, including several speakers, stranded and unable to get to Rio. In spite of this, though, attendance was higher than expected, with the arrival of many students and young researchers from Rio, São Paolo and further afield in Brazil and the rest of South America.

*Above: among the most famous beaches in the world, Copacabana Beach. Opposite: scenes from the meeting, including [top] Le Cam lecturer Stephen Stigler signing the IMPA speakers' book; [right] Persi Diaconis in the auditorium; [centre] Paul Glasserman receiving his Medallion from Denis Talay; and [bottom] Elyse Gustafson and Eulalia Vares at the banquet*

Local chair, Maria Eulalia Vares, said, "Looking back, in spite of the difficulties caused by the Varig situation, the meeting was one of the major scientific events in this field in South America and was extremely successful. Specifically I should mention the huge enthusiasm of young participants, who were exposed to the frontiers of our science through short courses and invited lectures of X EBP and during the IMS program. There is no doubt that this meeting will leave an important mark on their professional careers."

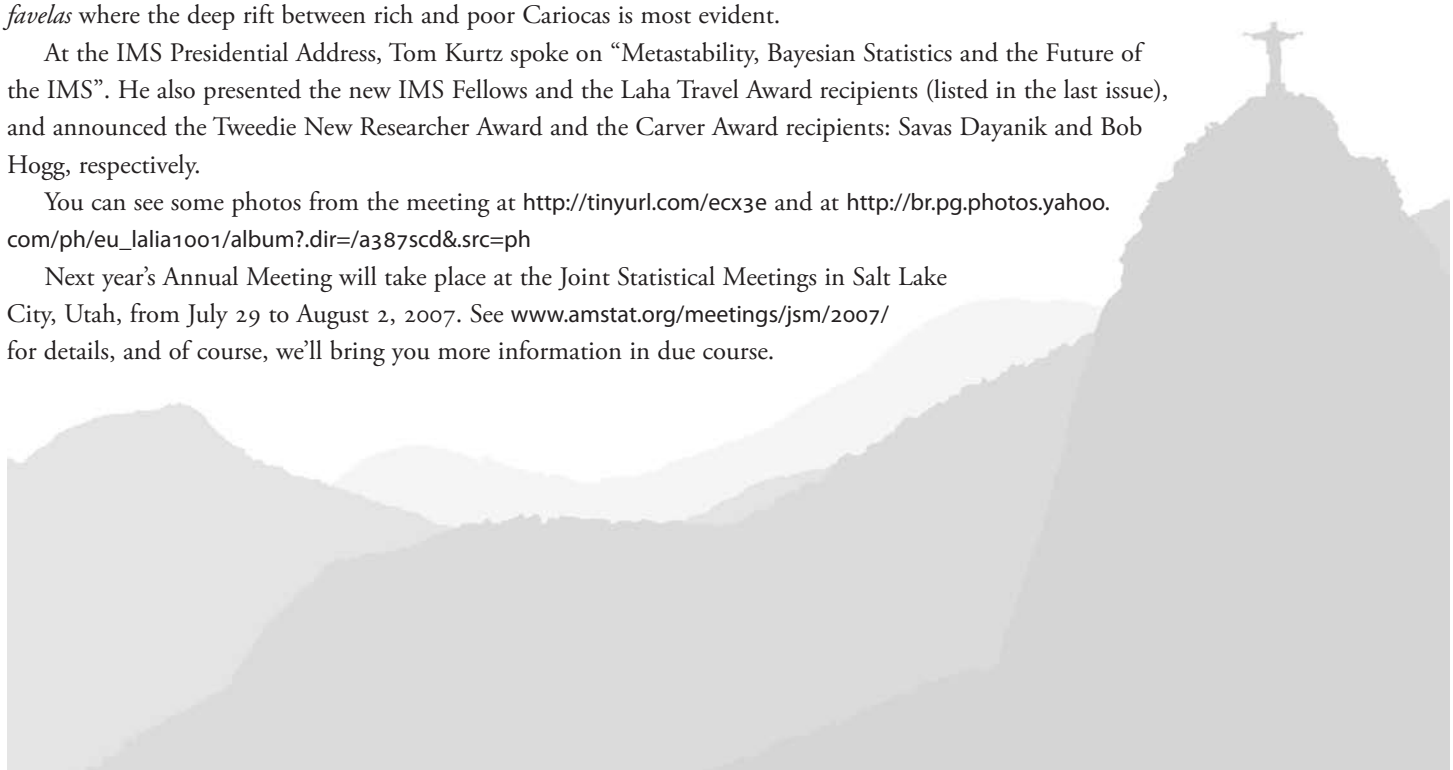
The Wald lectures were delivered by Peter Hall, the Le Cam lecture by Stephen Stigler, and Medallion lectures by Paul Glasserman, Greg Lawler and Tom Mountford; Medallion lecturer Michael Woodroofe was among those unable to attend. In the Brazilian School of Probability (EBP), keynote speakers were Vincent Beffara, Stella Brassesco, Donald Dawson, Paul Dupuis, Vlada Limic, Jim Pitman and Jacob van den Berg. Yuval Peres and Murad Taqqu delivered EBP mini-courses.

The conference banquet was held at a *churrascaria*, or barbecue restaurant, where the waiters seemed to move so quickly they were in a blur (or maybe that was the *caipirinhas* they served so thick and fast). Some participants were able to take a little time to explore Rio's obvious tourist attractions, the Cristo Redentor statue on Corcovado Mountain, and Sugar Loaf Mountain (Pão de Açucar)—and some of the less obvious, like an organized tour of the *favelas* where the deep rift between rich and poor Cariocas is most evident.

At the IMS Presidential Address, Tom Kurtz spoke on "Metastability, Bayesian Statistics and the Future of the IMS". He also presented the new IMS Fellows and the Laha Travel Award recipients (listed in the last issue), and announced the Tweedie New Researcher Award and the Carver Award recipients: Savas Dayanik and Bob Hogg, respectively.

You can see some photos from the meeting at http://tinyurl.com/ecx3e and at http://br.pg.photos.yahoo.com/ph/eu_lalia1001/album?.dir=/a387scd&.src=ph

Next year's Annual Meeting will take place at the Joint Statistical Meetings in Salt Lake City, Utah, from July 29 to August 2, 2007. See www.amstat.org/meetings/jsm/2007/ for details, and of course, we'll bring you more information in due course.



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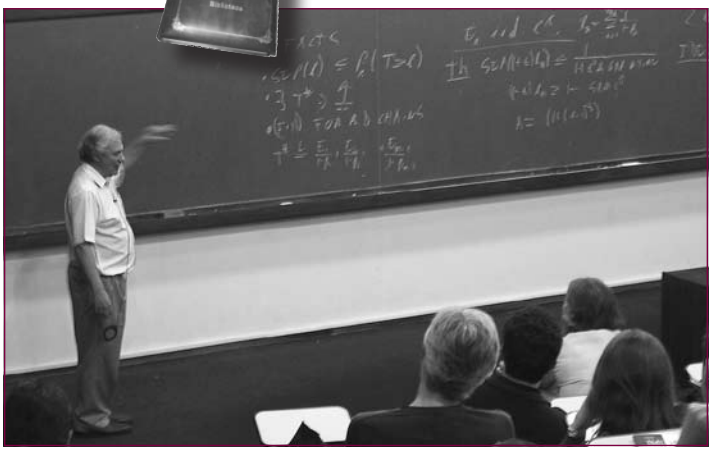

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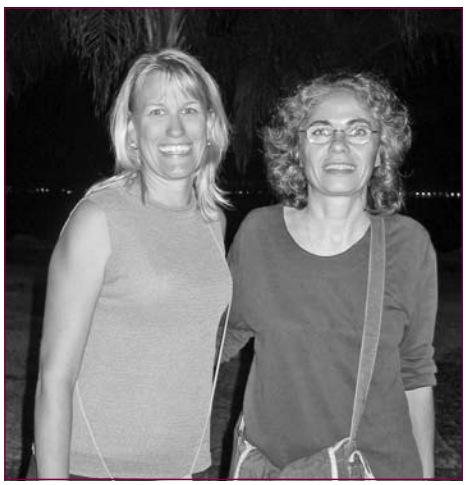


# IMS 2006: Council report

The 2005–06 Council met on Tuesday, August 1, 2006 ("Council I"). The Committees' and Editors' reports, which were presented to Council, are available at www.imstat.org/officials/reports.html

The Executive Committee is creating two new committees. The Membership Committee will promote individual memberships, and the new departmental and contributing memberships; more on this below. The new informal Program Committee, which is made up of the Program Secretary, the Associate Program Secretary for Probability, and the past Program Secretary, will help to ensure smooth continuity and communication.

Council approved the appointment of Nicholas Hengartner, Los Alamos National Laboratory, as Program Secretary, replacing Andrew Nobel on the Executive Committee for a three-year term. Look out for some words from Nick in the next issue.

Council approved a motion to eliminate institutional membership and replace it with the two new categories of departmental membership and contributing membership. Details on this in the next issue.

Council II (the 2006–07 Council) met on Thursday, August 3. Council members agreed to approve the creation of two new open-access, refereed journals: *Electronic Journal of Statistics* and *Statistics Surveys*. IMS will seek co-sponsorship of these journals with other societies, as it has with the *Electronic Journal of Probability* and *Probability Surveys*. An editor for *EJS* has not yet been appointed. *Statistics Surveys* will have a governing body of editors, with one representing each supporting society, and a Coordinating Editor. See http://www.i-journals.org/ss/policies.php#other_1 for further details of the constitution. The initial Coordinating Editor is Wendy Martinez (ONR). The IMS representative on the governing body will be appointed soon.

IMS will hire an IT Project Manager (see the announcement on page 18).

### Summary of other 2005–06 Council Actions

At the IMS Business Meeting, outgoing President Tom Kurtz summarized Council actions for the previous year, in addition to those listed above. In case you missed any, IMS Council has created:

- the new electronic journal, the *Annals of Applied Statistics*, under Editor-in-Chief Bradley Efron, to be launched next year
- the Strategic Planning and Analysis Committee, whose role is to evaluate long-term strategies and programs in the IMS.
- a new role in the Executive Committee, IT Secretary (to be appointed)
- the Finance Committee, whose role is the oversight of the institute's finances and investment policy

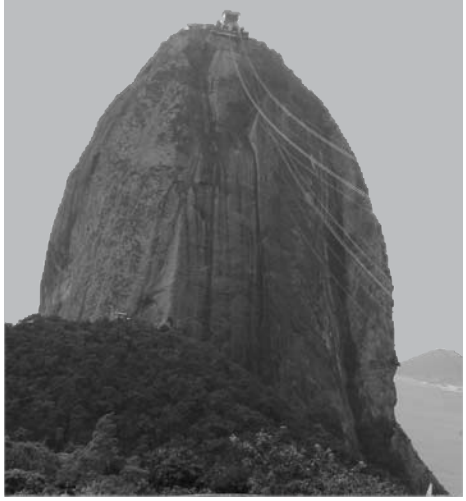
Council has also approved the appointments of new officers:

- Co-Editors of the *Annals of Statistics* will be Susan Murphy (University of Michigan) and Bernard Silverman (University of Oxford), effective January 1, 2007
- Editor of the *IMS Bulletin* will be Xuming He (University of Illinois at Urbana-Champaign) effective January 1, 2007
- Program Secretary and *AOAS* Editor, as above

Many of these new initiatives will develop over the coming months: we'll bring you information on their progress. Stay tuned!

### Quick Guide to the IMS Council

For those who are new to IMS, here's a brief outline of the institute's structure. The Executive Committee is made up of the President, Past-President, President-Elect, Secretary, Program Secretary, Information Technology Secretary, and Treasurer. And IMS Council is made up of (typically 15) elected members, in addition to the Executive Committee and the Editors. Council members serve three-year terms, overlapping so that the terms of roughly one-third terminate each year. Article V in the IMS Handbook has more details: www.imstat.org/handbook/ The Council 'meets' electronically during the year, but only twice a year in person, at the annual meetings. The first of these two council meetings (known as Council I) is actually the final meeting of the previous year's council, while the second meeting (Council II) is the first of the forthcoming year's council.



*Above and left: scenes from the IMS/EBP Conference Banquet at a* churrascaria, *or barbecue restaurant.*
*Below: Wald Lecturer Peter Hall (Australian National University) receiving his plaque from IMS President-Elect Jianqing Fan*

## Call for papers: X EBP special volume

The organizers of the Tenth Brazilian School of Probability are preparing a special volume (Editors: Vladas Sidoravicius and Maria Eulalia Vares), celebrating the tenth edition of the School. The volume will feature original research articles, expository texts and review articles on recent developments in Probability, Mathematical Statistics and related fields. The articles should be of the highest quality, and all texts will be refereed.

The deadline for submission is March 1, 2007. Papers should be submitted by sending a latex file to xebp@impa.br or to the email of the editors (vladas@impa.br, eulalia@impa.br).

**IMS Council members 2006–07**

Erwin Bolthausen, Maury Bramson, Merlise Clyde, Anthony Davison, Frank den Hollander, John Einmahl, Nancy Flournoy, Xuming He, Susan Holmes, Iain Johnstone, Karen Kafadar, Jun Liu, Xiao-Li Meng Daniel Peña, and Michael Steele

# **Report:** *Ninth IMS New Researchers' Conference*

The Ninth IMS Meeting of New Researchers in Statistics and Probability was held from August 1–5 at the University of Washington, Seattle, just before the Joint Statistical Meetings. The meeting is intended to bring together new researchers in a relaxed setting, to present their research, listen to invited talks, and to network and socialize. Each participant presented their work, either giving a short talk or a poster. The meeting was structured so that there was plenty of time for breaks for people to discuss their research and their life as new researchers. A list of participants, their abstracts, slides from the invited speakers, and photographs can be found on the conference website at http://www.stat.ohio-state.edu/~pfc/NRC/.

This year, 81 participants attended. The majority came from the United States, but also included researchers from Australia, Britain, Canada, China, Italy, Singapore, Spain, and Sweden (the self-named "Swedish delegation"). This gave the meeting a more international feeling than in the past. We hope this trend continues.

In addition to participant talks, we had a varied range of invited sessions at the meeting. The grant panel on Thursday afternoon included Michelle Wagner from the National Security Agency, Rong Chen from the National Science Foundation and Patrick Heagerty from the University of Washington. Each panelist gave a presentation discussing funding opportunities, and advice on writing successful proposals. Questions from the audience ranged from personnel issues to timing of proposals and reviewing procedures. Thursday evening started with the Poster session: 21 posters covering varied topics such as computer experiments, survival analysis, nonparametric statistics, and methods of high dimensional data. The conference dinner followed with a talk by Bruce Weir, University of Washington. He spoke about his experience in presenting statistical evidence related to genetics data at court trials, carefully outlining pitfalls that should be avoided in such situations. The lunch time speaker on Friday was Dalene Stangl, Duke University. Her talk was titled *"Who You Know, What You Know and Timing: Merging the Technical and the Personal to Define Your Professional Pathway"*, and gave candid advice to new researchers on how to be successful in their careers. Savas Dayanik, an assistant professor from Princeton University, gave the Tweedie New Researcher Invited Lecture, *"Poisson Disorder Problems"*, on the Friday afternoon of the conference. Richard Tweedie mentored many young colleagues at work and through professional society activities. Funds donated by his friends and family cover travel for the award winner.

*Pictured, top to bottom, are the poster session; between-session socializing; and the banquet.*

Photos: Peter Craigmile. See the meeting website for more.

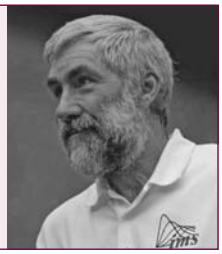
Saturday morning started with an introductory speech from the IMS President-Elect, Jianqing Fan. The journal panel followed. Stephen Portnoy (*JASA Theory and Methods*), Jianqing Fan (*Annals of Statistics*), Edward George (*Statistical Science*), and Naisyin Wang (*Biometrics*), offered insight about the journal submission and editing process, discussed ways to write articles, and to communicate effectively with the audience (and editors!). The conference closed with a talk from Roger Berger, Arizona State University. His talk was entitled *"Software for Intro Stats: Is Excel an Option?"* Interspersed with survey questions to the new researcher audience this talk seriously considered the notion that Excel could be used as a tool for teaching introductory statistics.

We would like to thank the IMS, National Science Foundation, National Institutes of Health/National Cancer Institute, Office of Naval Research, and National Security Agency for their continued generous funding and support of this conference. Special thanks also go to the Departments of Statistics at the University of Washington and The Ohio State University for administrative support. (We would also like to thank the United States Navy Blue Angels for their fly-overs over the conference!)

Due to the continued popularity of the meeting we will continue to run the meeting as a yearly event. Next year's meeting will be at the University of Utah, just before the Joint Statistical Meetings in Salt Lake City, UT. Mayetri Gupta will be the chair of the IMS New Researcher committee, and Xiaoming Sheng will be the local organizing chair. Watch out for details in future issues of the *IMS Bulletin.*

# Terence's Stuff: *What is a Statistician?*

**This month Terry Speed ponders the origin (professionally speaking) of this species of statisticians — and how outsiders can enrich the field**



In the generation of my teachers, say from 1935 to 1960, relatively few statisticians were trained for the profession. The majority seemed to come from mathematics, without any specialized statistical training. There was also a sizeable minority coming from other areas, such as astronomy (I can think of one prominent example), chemistry or chemical engineering (three), economics (several), history (one), medicine (several), physics (two), and psychology (several). In those days, PhD programs in statistics were few and far between, and many, perhaps most people moved into statistics because they were interested in the subject, or were responding to a perceived need. They learned the subject on the job, either in government, industry or academia. I also think statistics benefited disproportionately from the minority coming from outside mathematics and statistics, but that may be a personal bias.

This diversity of backgrounds seems to have diminished from the mid-1960s. Almost all of my colleagues in statistics over the last 40 years had some graduate training in statistics. Typically they had a PhD in statistics, probability or mathematics, the last two with some exposure to statistics. A few had masters degrees or diplomas in statistics. My experience probably reflects that of most of you.

By the 1960s our subject had become professional, there was a ticket of entry into it — a PhD or equivalent — and many graduate programs handing them out. I know many statistics departments now include people with joint appointments, for example in the biological, engineering or social sciences, but I have the impression that the majority are people who trained in statistics and moved 'away' through their interest in applications there, rather than people from these other areas who were embraced by the statisticians. As is to be expected, there are plenty of exceptions.

Why am I presenting this made-up history of the recent origins of statisticians? Because I have the sense that the situation which has prevailed for about 40 years is changing again. I see a steady trickle, which I predict will grow substantially, of people not trained in statistics moving into our profession. Many have noticed, and I have previously remarked on, the current shortage of bright young people going into our subject. We probably all know universities, institutes or industries trying hard to recruit statisticians, and coming up empty handed. On the other hand, there has been substantial growth in areas which, while not generally regarded as mainstream statistics, might well have been, had things gone differently. My unoriginal observation is that some people from these areas are starting to see statistics as a worthwhile career, not beating but joining us. Computer science, machine learning, image analysis, information theory and bioinformatics, to name a few, have all provided future statisticians to statistics departments around the world in recent years, and I think there will be much more of this.

> *I see a steady trickle, which I predict will grow substantially, of people not trained in statistics moving into our profession*

Recently there was a call for applications for the new United Kingdom EPSRC Statistics Mobility Fellowships, whose aim is "to attract new researchers into the statistics discipline at an early stage in their career". Is this "mobility" a good idea? In my view, unquestionably yes. Not only do we need an influx of talent to swell our numbers, we also need it to broaden and enrich our subject, so that much of the related activity we now see taking place outside of statistics, and threatening its future, comes inside. In his highly stimulating polemic "Statistical Modelling: The Two Cultures" published in *Statistical Science* just 5 years ago (16:199–231, 2001), my late colleague Leo Breiman argued that "the focus in the statistical community on data models has:

- led to irrelevant theory and questionable scientific conclusions;
- kept statisticians from using more suitable algorithmic models;
- prevented statisticians from working on exciting new problems."

His view was that "we need to move away from exclusive dependence on data models and adopt a more diverse set of tools."

One, perhaps over-optimistic, view is that the reform that Leo so desired will come automatically as mainstream statistics is joined by "outsiders" from fields like those mentioned above. Are there risks in this trend? There must be. We want statistics broadened and enriched; we don't want to see it fragmented, trivialized, or otherwise weakened. We need our theorists working hard to incorporate all these new ideas into our long-standing big picture, we need the newcomers to become familiar with the best we have to offer, and we all need to work together in answering the questions of all the people outside our discipline needing our involvement.

# Obituary: Fred Mosteller

## 1916–2006

C. Frederick Mosteller, IMS President in 1974–5, and one of the towering figures in twentieth century statistics, died on July 23 following a prolonged illness, less than six months before he would have celebrated his 90th birthday.

Fred, as he was known to friends and colleagues throughout the profession, was born Charles Frederick Mosteller in Clarksburg, West Virginia, on December 24, 1916. The family moved to the Pittsburgh area, where Fred attended high school and later Carnegie Institute of Technology — now Carnegie Mellon University. Fred married Virginia Gilroy (1917–2000) in 1941. They moved to their home in Belmont, Massachusetts, after the birth of their son Bill in 1947; their daughter Gale was born in 1953.

Fred joined the faculty of Harvard University in 1946 and remained there throughout his career. He became Professor of Mathematical Statistics at Harvard in 1951 and led the effort to create the Department of Statistics, serving as its first chair from 1957 to 1969. In the department Fred formally supervised 17 PhD dissertations, but he served on the committees of numerous others in Statistics, Social Relations, and other parts of Harvard. He later served as chair of two other departments, Biostatistics and Health Policy and Management, both in the School of Public Health, and taught courses in the Harvard Law School and the John F. Kennedy School of Government. After retirement in 1987, Fred maintained his office in the Department of Statistics, where he continued with his usual array of multi-disciplinary projects. At the end of 2003, he relocated to the Washington DC area to be near his children.

In college, Fred was interested in mathematics and, in particular, in combinatorial problems. This inclination led him to the statistician Edwin C. Olds, who steered Fred into the field of statistics, by teaching him about generating functions to solve the 'three dice problem' — what is the probability that the sum of the three faces equals 10? "It was the most marvelous thing I had ever seen in mathematics. It used mathematics that up to that time, in my heart of hearts, I had thought was something that mathematicians just did to create homework problems for innocent students in high school and college… I was stunned when I saw how Olds used this mathematics." (From an interview in D.J. Albers, G.L. Alexanderson, and C. Reid, Editors. *More Mathematical People: Contemporary Conversations*. Harcourt Brace Jovanovich, 1990, 241–260). From that point on Fred was hooked on probability and statistics.

In 1938 Olds took Fred to his first IMS meeting, where he met, among others, Bill Cochran, Allen Craig, Cecil Craig, Harold Hotelling, and Samuel Wilks. Fred was to go on to a long career linked to IMS including its presidency and attending its meetings for most of the next 60-plus years. (Olds was later to become Secretary-Treasurer of the IMS in the 1940s and President in 1953–1954.)

Fred completed his Sc.M. degree at Carnegie Tech in 1939 and then enrolled at Princeton University to work on a PhD with Wilks. Fred's assignment was to help Wilks with his work as editor of the *Annals of Mathematical Statistics*. At Princeton, Fred also began his lifelong interaction and collaboration with John Tukey, described in part by David Brillinger in his article on Tukey (*Annals of Statistics*, 30:1535–1575, 2002) and in their 1988 joint interview in *Statistical Science* moderated by Frank Anscombe.

Fred's bibliography contains 65 books, nearly 350 papers in books and journals, 41 miscellaneous publications, and 26 reviews. Many of these were coauthored or co-edited by over 200 other individuals. John Tukey was Fred's most extensive collaborator; but the list includes many other prominent IMS figures. A partial list of Fred's varied methodological research interests includes publications on "inefficient" statistics, sampling, Bayesian methods, paired comparisons, the jackknife, statistics in sports, contingency table analysis, exploratory data analysis, randomized experiments, robustness, and meta-analysis and research synthesis. Our own collaborations with Fred included multiple book projects (e.g., *Discrete Multivariate Analysis: Theory and Practice*, *Beginning Statistics with Data Analysis*, and *Statistics: A Guide to the Unknown*).

Mosteller's earliest papers appeared in the *Annals of Mathematical Statistics*, but over his career he was best known as

an applied statistician and a leader of interdisciplinary scientific teams. Whatever the substance of the problem, Fred always kept methodology as an important component of the work, and either he or his collaborators inevitably made important contributions to statistics in the process. Perhaps the most impressive such example is his work with David Wallace on the Federalist Papers, one of the first major uses of Bayesian methods (see *Inference and Disputed Authorship: The Federalist*, Addison-Wesley, 1964, later updated as *Applied Bayesian and Classical Inference: The Case of the Federalist Papers*, Springer-Verlag, 1984). A key component of their work included an early exposition of Laplace's method for approximating distributions.

Fred was always an organizer, a talent recognized by many societies and other organizations that came to Fred for help with projects, as well as to fill leadership positions. Among the societies he led as president were (in approximately chronological order): the Psychometric Society, the American Statistical Association, the IMS, the American Association for the Advancement of Science, and the International Statistical Institute. In the 1960s, Fred served as Vice-chair of the President's Commission on Federal Statistics, which led to the creation of the Committee on National Statistics at the National Research Council.

Fred's term as IMS President in 1974–1975 was typical of the way he carried on his professional life. Seeing that most IMS committees were ad hoc and their terms of membership not clearly defined, within months of taking office Fred had set up all IMS committees and appointments to other organizations on a 3-year rotation. It was during this period that the Bernoulli Society was formally created in Europe, linked to ISI. Fred worked to support that organizational effort.

Recognition of his accomplishments came in many forms. Fred was a Fellow of ASA and IMS (elected in 1948), and he received honorary degrees from the University of Chicago (1973), Carnegie Mellon (1974), Yale (1981), Wesleyan (1983), and Harvard (1993). He was also an honorary fellow of the Royal Statistical Society, an honorary member of the International Statistical Institute, and an elected member/fellow of the American Academy of Arts and Sciences, the American Philosophical Society, the Institute of Medicine, and the National Academy of Sciences.

Many of Mosteller's accomplishments are chronicled in a volume assembled by colleagues (S.E. Fienberg, D.C. Hoaglin, W.H. Kruskal, and J.M. Tanur, eds., *A Statistical Model: Frederick Mosteller's Contributions to Statistics, Science, and Public Policy*, Springer-Verlag, 1990) and a selection of 40 of his papers has just been published (S.E. Fienberg and D.C. Hoaglin, eds., *Selected Papers of Frederick Mosteller*, Springer-Verlag, 2006). More details of his career will appear in a forthcoming autobiography.

*Stephen E. Fienberg, Carnegie Mellon University*
*Judith M. Tanur, State University of New York, Stony Brook*

# Obituary: Jack Silber

## 1917–2006

Jack Silber, a long time member of ASA and IMS, died in Chicago on July 30 at the age of 89 after an extended illness. Silber received BS and MS degrees from the University of Chicago and helped develop operations analysis in the Pacific during WWII. He joined the faculty of Roosevelt College (later Roosevelt University) in Chicago in 1946, and he remained there throughout his career, excepting the period when was recalled to service as Chief of the Operations Analysis Office, 5th Air Force, during the Korean War. As a student at the University of Chicago he would have encountered Walter Bartky, Astronomer, Dean of Physical Sciences, and originator of a pre-Waldian form of sequential analysis called "multiple sampling", which Bartky published in 1942. Generalizing this work and discussing its relationship to Wald's different approach, Silber published a paper in the *Annals of Mathematical Statistics* in 1948 entitled "Multiple sampling for variables." This was one of the earliest published contributions to sequential analysis. Silber served as Chairman of the Department of Mathematics at Roosevelt from 1966–1987 and mentored a number of individuals who went on to prominence in the field. These including Morris DeGroot, Melvin Novick, and Seymour Sudman; DeGroot stated often that it was Silber's courses that first opened his eyes to the attractions of statistics. While at Roosevelt, Silber also enjoyed a warm association with the Department of Statistics at the University of Chicago, where he was faithful in attending colloquia. His close friendships there spanned the period from the arrival of Jimmie Savage in the late 1940s to the present generation of faculty. Silber was elected an ASA Fellow in 1983.

*Stephen E. Fienberg, Carnegie Mellon University*
*Stephen M. Stigler, University of Chicago*

# C R and Bhargavi Rao Prize: nominations open

The C. R. and Bhargavi Rao Prize was established to honor and recognize outstanding and influential innovations in the theory and practice of mathematical statistics, international leadership in directing statistical research, and pioneering contributions by a recognized leader in the field of statistics. The Rao Prize is awarded by the Department of Statistics at Penn State University to a nominee selected by the members of the Rao Prize Committee.

The 2003 prize was awarded to Bradley Efron, the Max H. Stein Professor in the Department of Statistics at Stanford University. Jayaram Sethuraman, former Robert O. Lawton Distinguished Professor and current professor emeritus and adjunct professor at Florida State University received the 2005 prize. For more information see http://www.stat.psu.edu/news/awards/raoprize.html.

Nominations for the 2007 Rao Prize should be submitted by December 1, 2006 to:

*Chair, Rao Prize Selection Committee*
*326 Thomas Building*
*Penn State University*
*University Park, PA 16802-2111*

The Rao prize shall be awarded every two years (odd numbered years) to an individual working in the United States. The award recipient will receive a medal, cash prize and an invitation to visit Penn State and give a talk.

Nominations should include a letter describing the nominee's outstanding contributions to leadership and research in statistics, a current curriculum vita, and two supporting letters.

C.R. Rao held the Eberly Chair in Statistics at Penn State University from 1988-2001. He now serves as Holder Emeritus of the Eberly Chair in Statistics. He was the founding Director of the Center for Multivariate Analysis. A President's National Medal of Science Laureate, Dr Rao is recognized worldwide as one of the pioneers of modern statistical theory and as one of the world's top five statisticians, with multifaceted distinctions as a mathematician, researcher, scientist, and teacher. His pioneering contributions to mathematics and statistical theory and applications have become part of undergraduate and graduate courses in statistics, econometrics, electrical engineering, and many other disciplines at most universities throughout the world.

# Annual Survey of the Mathematical Sciences

Nicole Lazar summarizes the Annual Survey's second report for 2005: The Annual Survey of the Mathematical Sciences is directed by a joint committee of the AMS, ASA, IMS, MAA and SIAM. The 2005 Annual Survey represents the 49th in an annual series begun in 1957 by the American Mathematical Society. The 2005 Annual Survey Second Report has been published in the *Notices of the American Mathematical Society*. The second report updates the first report with additional data (106 additional new PhD recipients in 2004–5), as well as providing information from a survey of the new PhD recipients. Some highlights are shown below.

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

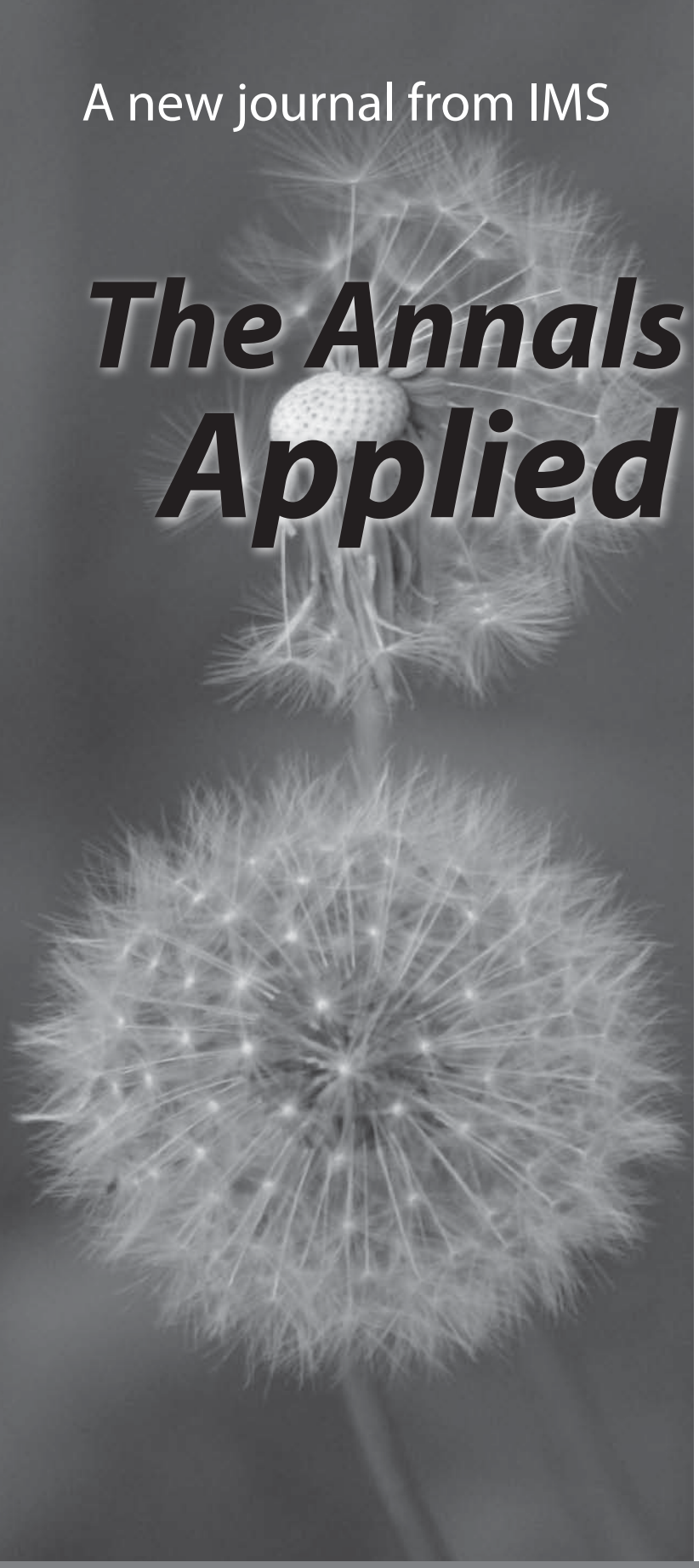
There were 1222 new doctoral recipients in the Mathematical Sciences from US universities in 2004–5. This is the highest number since 1994–5. Probability, Statistics and Biostatistics doctorates continue to form the largest group, with 395 (32%). The next largest group is Algebra and Number Theory, with 176 new PhDs.

In this summary, we focus on the new data reported from the Employment Experiences of New Doctoral Recipients (EENDR) survey. These data are not broken down by field, so we report on the figures as a whole, with no separate discussion for statistics.

1104 of the 1116 recipients from the first report had known addresses. These were sent the EENDR survey in October of 2005; 587 responded. As might be expected, response rates differed according to type of employment. The highest response rate was among those employed in US academic institutions. The lowest response rate was among those employed in non-US, non-academic institutions (70% for the former versus 39% for the latter). In a reversal from the trend reported last year, more than half of the new PhD recipients starting jobs in the US in Fall 2005 were in permanent positions. Indeed, those in permanent jobs were at a five-year high, both in terms of absolute numbers and percentages. Of the 232 in temporary jobs, 92 reported that they could not find a suitable permanent position.

Among those employed in the US in permanent positions, the percentages employed in academic positions continued to decline, from 72% in Fall 2004 to 68% in Fall 2005. Correspondingly, among those with permanent positions the proportion in business, industry and government continued to rise, from 28% in Fall 2004, to 32% in Fall 2005. Of the 232 individuals with temporary employment in the US, 96% this year were in academia, similar to last year's figure. The median age of new doctoral recipients was 30 years, while the mean was 32 years, in line with the findings from previous years.

A new journal from IMS



# The Annals of Applied Statistics

Devoted to statistical applications and their related methods

| | |
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| **Michael Newton** | Editor for biostatistics and genetics |
| **Stephen Fienberg** | Editor for social science, government, and economics |
| **Michael Stein** | Editor for physical science, computation, the environment, and engineering |

Appearing quarterly in both print and electronic versions, beginning in 2007, including an electronic archive of data sets and algorithms

For information on submitting papers and subscribing, please visit http://www.imstat.org/aoas

**www.imstat.org/aoas**

# Do you know the IT Project Manager?

## *IMS is hiring!*

We're looking for an IT Project Manager to oversee the development of IMS's IT infrastructure.

If you know someone who has these skills and qualities, please pass on the information and have them send their resume to Elyse Gustafson (see page 2 for contact details).

INSTITUTE OF MATHEMATICAL STATISTICS

Job Description: **IT Project Manager**

**SKILLS:**

- IT project management experience
- Knowledge of programming and software for web and database management.
- Experience with non-profit IT development
- Ability to juggle several projects at once.
- Experience utilizing and supporting others in using project tools and methodologies.
- Written and verbal communication skills and interpersonal skills.
- Ability to assess specific technologies to support IT project management & systems development.
- Experience measuring project progress.
- Experience with and knowledge of current IT platforms and solutions.
- Ability to adapt to changing environments; action oriented and a passion for innovative thinking.
- Minimum 3 years' experience

**RESPONSIBILITIES:**

- Oversee development of the IT infrastructure of the IMS
- Work directly with IT Secretary to provide direction and support on all IMS IT-related projects, including but not limited to: IMS website, IMS databases, Electronic Journal Management System (EJMS), Biobibs, and electronic access for all journals,
- Oversee and manage installation of new IMS databases [people, jobs, and meetings]. Coordinate efforts by all parties (web editor and staff, database developer, IT Secretary, Executive Director) into system.
- Oversee development and management of EJMS or other electronic central editorial system. Work with Vtex, editors, Mattson Publishing Services (MPS) to achieve flexibility and usefulness of system.
- Ensure links are checked for all IMS journals and articles via Euclid, ArXiv or any other electronic provider (this may be done by Patrick Kelly, but IT Specialist can oversee)
- Monitor overall website development and provide direction and support as needed. Ensure links are checked and information is kept up to date on the website.
- Work with IT Secretary/Jim Pitman on development of Biobibs project.

**DETAILS:**

Part-time employee or contracted service person providing approx. 20 hours of service per week. Expected salary/payment $30–35,000/year.

# Other News

## Ruth Michler Memorial Prize

**Opportunity for talented women in the mathematical sciences who have been recently promoted to the rank of Associate Professor or equivalent:**

Barbara Lee Keyfitz, the President of the Association for Women in Mathematics announces: AWM is accepting applications for the first annual Ruth I. Michler Memorial Prize. The prize provides a fellowship for the awardee to spend a semester in the Mathematics Department of Cornell University without teaching obligations. The prize will be awarded to a woman in the mathematical sciences who has been recently promoted to the rank of Associate Professor or the equivalent. (Women working in any country are eligible to apply.)

Please visit http://www.awm-math.org/michlerprize.html to learn more about the prize and the application procedure. The application deadline is November 1.

The recipient of the first award will be announced in January 2007. The recipient may use the fellowship during a semester of her choosing during the 2007-2008 academic year. The stipend will be $40,000 with an additional travel allowance.

## Virtual Center promotes US–China Collaboration

The Virtual Center for Collaboration between US- and China-based researchers in statistics is partially funded by the National Science Foundation, and co-directed by Professors Xuming He and Feng Liang at the the University of Illinois at Urbana-Champaign. The Center aims to promote and support exchanges and collaborations between US-based and China-based researchers and educators in statistical science. US-based researchers may also request travel support from the Virtual Center (next deadline December 7). For more details, go to www.stat.uiuc.edu/VCenter

## Fifth Janet L Norwood Award

*Janet Turk Wittes, founder and President of Statistics Collaborative Inc., is the winner of the Fifth Annual Janet L. Norwood Award for Outstanding Achievement by a Woman in the Statistical Sciences.*

The University of Alabama at Birmingham and the School of Public Health, along with the Department of Biostatistics and the Section on Statistical Genetics, announces that Dr Janet Turk Wittes, President of Statistics Collaborative Inc. which she founded in 1990, is the recipient of the Fifth Annual Janet L. Norwood Award for Outstanding Achievement by a Woman in the Statistical Sciences.

The award ceremony, lecture by Dr Wittes, and reception will occur at the University of Alabama at Birmingham's Alys Stephens Center on Friday, 13 October.

Dr Wittes received her BA in Mathematics from Radcliffe College, and her MA & PhD in Statistics from Harvard University, beginning her career in academia. Then, in 1983, she joined the Biostatistics Research Branch, National Heart, Lung, and Blood Institute as its Chief. Her research has focused on the design and analysis of randomized clinical trials. She is a Fellow of the American Statistical Association, the American Association for the Advancement of Science and the Society for Clinical Trials. She is a past President of ENAR (1995) and the Society for Clinical Trials (2001). From 1990–95 she served as the Editor-in-Chief of *Controlled Clinical Trials*. She is a member of many Data and Safety Monitoring Boards (DSMBs) for randomized clinical trials sponsored by both industry and government. Coauthored with Drs. Michael Proschan and Gordon Lan, her recently (2006) published book, entitled "Monitoring Clinical Trials: A Unified Approach", deals with methods for interim analysis of data.

More details at the UAB website http://www.soph.uab.edu/ssg/default.aspx?id=1818

# IMS Meetings around the world

IMS sponsored meeting

UPDATED

**71st IMS Annual Meeting**
**in conjunction with VII Bernoulli World Congress**
**Singapore**
**July 14–19, 2008**

**w** http://www.ims.nus.edu.sg/Programs/wc2008/index.htm
**e** wc2008@ims.nus.edu.sg

Chair of the Local Organizing Committee: Louis Chen
Chair of the Scientific Program Committee: Ruth Williams

The seventh joint meeting of the Bernoulli Society and the Institute of Mathematical Statistics will take place in Singapore from July 14 to 19, 2008. This quadrennial joint meeting is a major worldwide event featuring the latest scientific developments in the fields of statistics and probability and their applications.

The program will cover a wide range of topics and will include about a dozen plenary lectures presented by leading specialists. In addition there will be invited paper sessions highlighting topics of current research interest as well as many contributed talks and posters.

The venue for the meeting is the National University of Singapore. Singapore is a vibrant, multi-cultural, cosmopolitan city-state that expresses the essence of today's New Asia. It offers many attractions both cultural and touristic, such as the Esplanade and the Singapore Night Safari. On behalf of the Scientific Program and Local Organizing Committees we invite you to join us in Singapore for this exciting meeting. Your participation will ensure that the 2008 BS/IMS meeting will be a memorable scientific event.

IMS sponsored meeting

**IMS Annual Meeting at the Joint Statistical Meetings**
**July 29 – August 2, 2007**
**Salt Palace Convention Center, Salt Lake City, Utah**

IMS Program Co-chairs: Tony Cai and Mark Low
**w** http://www.amstat.org/meetings/jsm/2007/

The 2007 Joint Statistical Meetings will be held July 29–August 2, 2007 at the Salt Palace Convention Center located at 100 South West Temple, Salt Lake City, Utah 84101. Check the website for the key dates for abstract submission, registration and program.

*Above: Salt Lake City, Utah. Photo: Salt Lake CVB*

IMS co-sponsored meeting

**Multivariate Statistical Methods in the 21st Century: The Legacy of Professor S N Roy**
**December 28–29, 2006**
**Eastern Zonal Cultural Center, Govt. of India, Salt Lake City (Kolkata), India**

UPDATED

**w** http://www.isical.ac.in/~multstatconf/an_international_conference_titl.htm

IMS Reps on Program Committees: Barry C. Arnold, Ashis SenGupta, J.K. Ghosh, K.V. Mardia and P.K. Sen

This international conference will be held in celebration of the birth centenary of Prof S.N. Roy. The conference will also launch a year-long series of international conferences being arranged to mark the Platinum Jubilee of the Indian Statistical Institute. A number of distinguished statisticians, including Prof. C.R. Rao, have already agreed to participate in this conference. The registration fees have been kept low: $60 without accommodation and $120–$150 with modest accommodation (for the three nights, Dec. 27-29). A limited number of contributed papers may be presented, the deadline for receiving abstracts of which is September 30, 2006. The Conference will be preceded by a Workshop on Multivariate Methods during Dec 23-27 at Indian Statistical Institute, Kolkata. We invite you to join us in this S.N. Roy-fest in his academic home town of Kolkata.

## *At a glance:* forthcoming IMS Annual Meeting dates

### *2007*

**IMS Annual Meeting @ JSM:** Salt Lake City, **July 29 – August 2, 2007**
**w** www.amstat.org/meetings/jsm/2007/

### *2008*

**IMS Annual Meeting:** Singapore, **July 14–19, 2008.** With VII Bernoulli World Congress.
**w** http://www.ims.nus.edu.sg/Programs/wc2008/index.htm

**JSM:** Denver, **August 3–7, 2008**

### *2009*

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

### *2010*

**IMS Annual Meeting:** Location TBA, dates TBA

**JSM:** Vancouver, Canada, **August 1–5, 2010**

### *2011*

**IMS Annual Meeting @ JSM:** Miami Beach, FL, **July 31–August 4, 2011**

IMS co-sponsored meeting

**International Indian Statistical Association Joint Statistical Meeting and International Conference on Statistics, Probability and Related Areas**
**January 2–5, 2007**
**Cochin, India**
**w** http://www.stat.ohio-state.edu/~hnn/IISAConf2007.pdf

The International Indian Statistical Association (IISA) in collaboration with other Statistical organizations in India, will hold its Biennial Joint Statistical Meeting during January 2–5, 2007, followed by a **Workshop in Financial Mathematics on January 6, 2007.**

The conference will be organized by Department of Statistics, Cochin University of Science and Technology, Cochin, India. The venue for the International Conference on Statistics, Probability and Related Areas is Hotel Renaissance in Cochin, a beautiful coastal town in Southern India. The sessions will cover a wide range of topics and the International Advisory Committee consists of Professors James Berger, Peter Bickel, Kjell Doksum, Peter Hall, and C.R. Rao.

The International Organizing Committee is chaired by Professor J. K. Ghosh while the Program Committee is chaired by Professor S. Rao Jammalamadaka. Please contact him at rao@pstat.ucsb.edu or the Co-Chair Dr P.G. Sankaran at pgsankaran@cusat.ac.in if you would like to participate or receive an invitation to attend. More details can be found at the conference website given above.

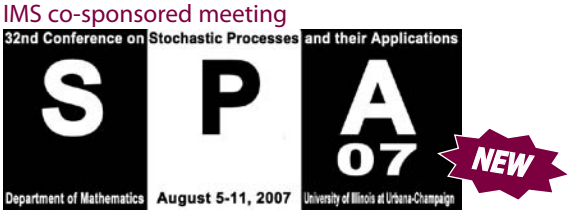
IBS ENAR

IMS co-sponsored meeting:
**2007 ENAR/IMS Spring Meeting: Statistical Science—Solving Problems That Matter**
**March 11-14, 2007, Hyatt Regency Atlanta, Georgia**
**w** http://www.enar.org/meetings.htm

IMS co-sponsored meeting:
**2008 ENAR/IMS Spring Meeting**
**March 16–19, 2008**
**Hyatt Regency Crystal City, Arlington, VA**
**w** http://www.enar.org/meetings.htm

IMS co-sponsored meeting:
**2009 ENAR/IMS Spring Meeting**
**March 15–18, 2009**
**Grand Hyatt San Antonio, San Antonio, TX**
**w** http://www.enar.org/meetings.htm

IMS co-sponsored meeting




**32nd Conference on Stochastic Processes and their Applications**
**August 5–11, 2007**
**Urbana, Illinois**
**w** http://www.math.uiuc.edu/SPA07/

Featuring two IMS Medallion lectures from Russ Lyons and Victor de la Peña, the Lévy lecture by Martin Barlow and the inaugural Doob lecture by Marc Yor.

Other invited speakers include Thierry Bodineau, Shizan Fang, Antal Jarai, Tze Leung Lai, Avi Mandelbaum, Sylvie Meleard, Martin Mohle, David Nualart, Yann Ollivier, Hirofumi Osada, Jim Pitman, Silke Rolles, Scott Sheffield, Vladas Sidoravicius, Gordon Slade, Craig Tracy and David Yao.

# Other Meetings Around the World:
## Announcements and Calls for Papers

**International Conference on Multiple Decisions and Related Topics in Honor of DY Huang**
**December 28–30, 2007**
**Shin-Juang, Taipei County, Taiwan**

NEW

This Conference is planned in order to honor the life and pioneering works of Professor Deng-Yuan Huang. The academic program of the conference will focus on multiple decision theory and related topics, including applications in industry, finance and health research. Many invited sessions are being planned on these topics and, in addition, some contributed sessions will also be scheduled.

Contact: Prof. Ming-Chung Yang yang@stat.ncu.edu.tw
Prof. Sheng-Tsaing Tseng sttseng@stat.nthu.edu.tw
Prof. Fu-Chuen Chang changfc@math.nsysu.edu.tw

*To drum up, and to maintain, interest in a meeting you are organizing, consider writing more than one announcement. We'll still print them here… for free.*

**Fourth meeting of the Eastern Mediterranean Region of the International Biometric Society (EMR-IBS)**
**January 23–25, 2007**
**Hilton Hotel, Eilat, Israel**

UPDATED

**w** http://www.congress.co.il/emr-ibs2007

The meeting will be held at the Hilton Hotel, Eilat, Israel, on January 23–25, 2007, with a pre-conference reception on the evening of January 22. The conference will include three full days of sessions, the first of which will be a special one-day symposium in honor of Marvin Zelen on the occasion of his 80th birthday. A slate of distinguished invited speakers has been lined up for the conference, and we look forward to a very stimulating meeting. For more information or to submit an abstract, see http://www.congress.co.il/emr-ibs2007/ IMPORTANT NOTE: THE DEADLINE FOR SUBMITTING ABSTRACTS HAS BEEN EXTENDED TO OCTOBER 20, 2006.

Contact David M. Zucker
*Department of Statistics, Hebrew University*
*Mt. Scopus, Jerusalem, ISRAEL*
**t** +972-2-588-1291, **f** +972-2-588-3549
**e** mszucker@mscc.huji.ac.il

**2007 SOCR/CAUSEweb Statistics Education Workshop**
**August 6–8, 2007**
**UCLA, Los Angeles**

NEW

**w** http://wiki.stat.ucla.edu/socr/index.php/SOCR_Events_Aug2007

The 2007 joint SOCR/CAUSEway continuing education workshop aims at demonstrating the functionality, utilization and assessment of the current UCLA, SOCR and CAUSEweb resources. This workshop will be of most value to AP teachers and college instructors of probability and statistics classes who have interests in exploring novel IT-based approaches for enhancing statistics education. The workshop will provide an interactive forum for exchange of ideas and recommendations for strategies to integrate computers, modern pedagogical approaches, the Internet and new student assessment techniques.

*Above: Hilton Eilat Queen of Sheba Hotel Image courtesy of ®2004 Hilton Worldwide Resorts*

**Fifth International Conference on Lévy Processes: Theory and Applications**
**Copenhagen**
**August 13–17, 2007**

NEW

w http://www.math.ku.dk/conf/levy2007/levy.html

The 5th International Conference on Lévy Processes: Theory and Applications will be held in Copenhagen, August 13–17, 2007. It will be preceded by a Satellite Summer School on Lévy Processes: Theory and Applications in Sandbjerg (Denmark), August 9-12, 2007. See the website for details.

The following speakers have agreed to give talks: Victor Perez Abreu (Mexico); Soren Asmussen (Aarhus); Jean Bertoin (Paris VI); Loic Chaumont (Paris VI); Serge Cohen (Toulouse); Rama Cont (ENS Paris); Giulia Di Nunno (Oslo); Ron Doney (Manchester); Vicky Fasen (TU Munich); Niels Richard Hansen (Copenhagen); Henrik Hult (Brown); Niels Jacob (Swansea) Jean Jacod (Paris VI); Anders Tolver Jensen (Copenhagen); Ingemar Kaj (Uppsala); Jan Kallsen (TU Munich); Davar Khosnevisan (Utah); Claudia Kluppelberg (TU Munich); Andreas Kyprianou (Heriot-Watt); Jean-Francois Le Gall (Paris VI); Alexander Lindner (TU Munich); Filip Lindskog (KTH Stockholm); Makoto Maejima (Keio); Tina Marquardt (TU Munich); Mark Meerschaert (Otago); Bernt Oksendal (Oslo); Martijn Pistorius (King's College); Philip Protter (Cornell); Sid Resnick (Cornell); Holger Rootzen (Chalmers); Jan Rosinski (Knoxville); Francois Roueff (ENST/TSI); Gennady Samorodnitsky (Cornell); Ken-iti Sato (Nagoya); Rene Schilling (Marburg); Thomas Simon (d'Évry-Val d'Essonne); Philippe Soulier (Paris X); Donatas Surgailis (Vilnius); Jeannette Woerner (Goettingen); and Ymin Xiao (Michigan State)

**International Symposium on Business and Industrial Statistics**
**August 18-20, 2007**
**The Azores Archipelago, Portugal**

UPDATED

w http://www.isbis2007.uac.pt

ISBIS-2007 is a symposium sponsored by the International Society for Business and Industrial Statistics (ISBIS), an official section of the International Statistical Institute. It is intended to provide a forum for presenting and exchanging ideas in statistical methods applicable to business, finance, and industry and as a conduit for international collaboration in research and other technology-transfer activities. The symposium will serve as one of the satellite meetings scheduled just before the biennial meeting of the ISI in Lisbon. The presentations at ISBIS-2007 may range in orientation from very applied to cutting-edge theoretical, provided the work is pertinent to statistics in business, finance or industry. Papers are encouraged on topics such as business and quality management, computer experiments, data mining, design of experiments, financial engineering, forecasting, machine learning, marketing, network analysis, process control, quality in health care, reliability, risk analysis, six sigma applications, warranty modeling and related areas. Additional information on ISBIS-2007 will be posted, in due course, at the symposium website. If you are interested in participating in this symposium by either contributing a talk or organizing a session, please contact Francisco Samaniego, Program Chair (fjsamaniego@ucdavis.edu) or Bovas Abraham, ISBIS President (babraham@uwaterloo.ca).

**Fifth Northeast Probability Seminar**
**in Celebration of the 70th Birthday of Michael Marcus**
**November 16-17, 2006**
**Columbia University, New York**

NEW

Financial support available. See website for details:

w http://www.math.csi.cuny.edu/probability/NortheastProbabilitySeminar

Invited speakers: Jennifer Chayes (Microsoft), Rodrigo Bañuelos (Purdue University), Christian Houdre (Georgia Tech), Yuval Peres (Microsoft and University of California, Berkeley).

Sponsored by the NSF.

# Employment Opportunities around the world

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## 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 position in Actuarial Science at the Assistant or Associate Professor level. Candidates must have a PhD in an area of the mathematical, statistical or actuarial 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, 2007 or later. The closing date for applications is December 31, 2006.

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

*Professor David E. Matthews, Chair, Statistics and Actuarial Science*
*University of Waterloo, Waterloo, ON N2L 3G1, CANADA*

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.

## Chile: Santiago

### Assistant Professor of Statistics, Pontificia Universidad Católica de Chile

The Department of Statistics, Pontificia Universidad Católica de Chile, invites applications for a tenure-track position at the Assistant Professor level, beginning August 1, 2007. Candidates should have a doctoral degree in Statistics or a related field and exhibit experience in both research and teaching. Appointees will be expected to pursue a vigorous research program and to teach graduate as well as undergraduate students.

The Department of Statistics is the leading research group in Chile and offers an undergraduate career, a Master's, and a PhD in Statistics. The Pontificia Universidad Católica de Chile is a highly selective institution and its students are among the top 5% in the country.

Email letter of application, including a statement of research interests, and curriculum vitae with publication list to stat@mat.puc.cl. Send at least three letters of reference, relevant reprints/preprints, and transcripts to

*Prof. Wilfredo Palma, Director, Departamento de Estadística*
*Pontificia Universidad Católica de Chile, Casilla 306, Santiago 22, Chile.*

Closing date for applications: January 5, 2007

## Canada: Calgary, Alberta

### ASSISTANT PROFESSOR IN ACTUARIAL SCIENCE

The University of Calgary invites applications for a tenure track position at the Assistant Professor level in the Department of Mathematics and Statistics, beginning July 1, 2007. The starting date may be negotiated. The Department is seeking an outstanding candidate with a PhD in an area of the mathematical or statistical sciences, and with research and teaching interests in **Actuarial Science** or a closely related area in **Statistics**.

Duties include undergraduate and graduate teaching in actuarial science and statistics, and the development of an independent research program. This position is in support of actuarial science instruction and research, so a candidate's expertise in actuarial science and/or related statistical areas of activity is essential.

The ideal candidate will either have a professional actuarial qualification or be working actively towards accreditation in the Society of Actuaries or Casualty Actuarial Society. The ideal candidate will also have a proven ability for research, good communication skills, and demonstrated quality teaching ability at the graduate and undergraduate levels.

Candidates with an interest in all areas of actuarial science are welcomed. Exceptional candidates in other fields are also encouraged to apply, as discussed above. However, Canadians and permanent residents will be given priority. The University of Calgary respects, appreciates, and encourages diversity.

The actuarial science program at the University of Calgary is one of the largest in Western Canada. Within the department, actuarial researchers have opportunities for collaboration with fellow researchers in actuarial science, statistics, and mathematical finance, and with researchers in finance, insurance, and risk management in the Haskayne School of Business.

The closing date is **December 1, 2006,** but applications will be accepted until the position has been filled.

Please submit a curriculum vitae, together with a description of research expertise and a short statement about teaching philosophy. Applicants should provide at least three letters of recommendation. At least one of these letters should report on the candidate's teaching abilities. These documents should be addressed to:

Actuarial Science Search Committee
Department of Mathematics and Statistics
University of Calgary
2500 University Drive N.W.
Calgary, Alberta, T2N 1N4

The department web page is www.math.ucalgary.ca. Further information concerning this position is available from Professor David Scollnik, telephone (403) 220-7677, or email: scollnik@math.ucalgary.ca.

***All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.***
***The University of Calgary respects, appreciates and encourages diversity.***
***To see all University of Calgary academic positions, please visit www.ucalgary.ca/hr/career***

## The Netherlands: Tilburg

### CentER

At the Department of Econometrics and Operations Research and the Center for Economic Research (CentER) at Tilburg University, a position is available for a **Tenure Track Assistant Professor in Statistics** (vacancy number 300.2006.17)

The assistant professorship is a tenure track position for six years and offers ample opportunities to do research as they carry a light teaching load. Applications should be received before November 1, 2006.

For a complete description of this position and the selection procedure please visit our website, http://www.tilburguniversity.nl/vacancies. More information about CentER can be found at www.center.nl.

Applications should be sent to *Tilburg University, the Personnel Department FEB, room K136, PO Box 90153, 5000 LE Tilburg, The Netherlands* or feb-personeelszaken@uvt.nl. Please mention the vacancy number 300.2006.17 in your application.

For further questions you can contact prof.dr. J.H.J. (John) Einmahl via telephone: +31-13-4668208, telefax: +31-13-4663280 or email: j.h.j.einmahl@uvt.nl.

## Taiwan: Taipei

### Institute of Statistical Science
### Academia Sinica, Taipei, Taiwan

Research staff positions are open for application along two tracks, rank of appointment (Assistant Research Fellow, Associate Research Fellow or Research Fellow) being commensurate with experience. Track I covers all statistical areas. Candidates must have a PhD in statistics or related fields. Track II is designated for the emerging area of bioinformatics, systems and computational biology, and mathematics in biology (MIB). A doctorate in an area of biological, statistical, mathematical, or computer science is required. Positions for Track II are immediately available.

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 *Dr. Chen-Hsin Chen, Chair of Search Committee, Institute of Statistical Science, Academia Sinica, Taipei, Taiwan 11529, R.O.C.* (Fax:886-2-27831523, e-mail: chchen@stat.sinica.edu.tw). To receive full consideration, please complete the application by December 31, 2006.

## The Netherlands: Eindhoven

**VACANCIES AT EURANDOM**

**Postdoctoral researchers and Ph.D. students**

EURANDOM is the European Research Institute for the study of random phenomena. Research at EURANDOM covers stochastics and its applications, as well as its interfaces with other disciplines. Stochastics consists of statistics, probability and stochastic operations research. The core business of EURANDOM is fundamental research in an international environment, carried out by a non-tenured staff of junior researchers and senior advisors supplemented with an extensive programme of seminars, workshops and visitors.

Research at EURANDOM is clustered into thematically organized research programmes:

- Queueing and Performance Analysis - Performance Analysis of Production Systems; Performance Analysis of Communication Systems, Queueing Theory, Multivariate Risk Modelling;
- Random Spatial Structures - Critical Phenomena; Disordered Systems; Combinatorial Probability;
- Statistical Information and Modelling - Statistical Signal and Image Analysis; Statistics in Biology and Statistics in Industry.

At present the junior staff consists of approximately twenty-five internationally recruited post-doctoral researchers and graduate students under the guidance of senior advisors. Vacancies at EURANDOM occur at any time during the year and are not restricted to the beginning of the academic year.

Postdoctoral appointments are typically for two years (*but shorter periods can be discussed as well*). Appointments for PhD. positions are typically for three to four years. Furthermore we welcome candidates who wish to apply for an external research grant, e.g. the Marie Curie Individual Fellowship from the European Union or for a research grant from European or American science foundations such as DFG, FWO, CNRS, EPSRC, NSF etc.). We have built up expertise with the application procedures consequently we are willing to help you with the application.

Candidates with a suitable mathematical background are invited to send a letter of application together with a curriculum vitae with full educational details to EURANDOM. Applicants for a post-doc position should also include a list of publications, a pre-print of a selected paper, and names and contact details of three academic referees. Applicants for a Ph.D. position should include information on their thesis. The complete package should be sent to:

*Prof.dr.ir. O.J. Boxma,*
*Scientific Director EURANDOM*
*P.O. Box 513,*
*5600 MB Eindhoven,*
*The Netherlands*

For further information have a look at our website www.eurandom.tue.nl or contact us at office@eurandom.tue.nl / Phone: +31 40 247 8100 / Fax: +31 40 247 8190

## Switzerland: Zurich

ETH

Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

### Assistant Professor in Applied Mathematics

ETH Zurich is looking for qualified candidates from all areas of applied mathematics, for example biomathematics, mathematical finance, numerical analysis, operations research, and statistics. Duties of this position include, in addition to research, an active participation in the teaching of mathematics courses for students of mathematics, natural sciences, and engineering.

Candidates should have a doctorate or equivalent and have demonstrated the ability to carry out independent research. Willingness to teach at all university levels and to collaborate with colleagues and industry is expected. Courses at Master level may be taught in English.

This assistant professorship has been established to promote the careers of younger scientists. Initial appointment is for four years, with the possibility of renewal for an additional two-year period.

Please submit your application together with a curriculum vitae and a list of publications **electronically in PDF format (faculty-recruiting@sl.ethz.ch) attn: the President of ETH Zurich, Prof. Dr. E. Hafen, Raemistrasse 101, CH-8092 Zurich, no later than November 30, 2006.** With a view toward increasing the number of female professors, ETH Zurich specifically encourages female candidates to apply.

## UK: Oxford

***Department of Statistics***
***Mathematical, Physical and Life Sciences Division***

UNIVERSITY OF OXFORD

**University Lecturer in Statistics**
in association with Somerville College

The Department of Statistics is one of the leading departments in the UK. It seeks to appoint a statistician with research interests close to the mainstream of modern statistics, to take up this post from 1st October 2007.

The Lecturership will be held in conjunction with a Tutorial Fellowship at Somerville College. You will be expected to take a full part in the research, teaching and other activities of the department, and in the teaching and other activities of the college.

The salary is on a scale up to £49,116 per annum. Additional college allowances are available as set out in the further particulars: these include, if living out, a housing allowance of currently £5,600 per annum.

**Further particulars for this post, including details of how to apply, are available from http://www.stats.ox.ac.uk or from Personnel Administration, Department of Statistics, 1 South Parks Road, Oxford OX1 3TG, England (tel. +44 (0)1865 272860), quoting reference: AM-06-007. The closing date for applications is noon on Monday, 23rd October 2006.**

**The University is an Equal Opportunities Employer.**

www.ox.ac.uk/jobs

## USA: California

**University of California, Davis**
**Department of Statistics**

The Department of Statistics invites applications for one position that can be either tenured Associate Professor or tenure-track Assistant Professor, depending on qualifications, to start on July 1, 2007. Applicants must have a Ph.D. in Statistics or in a related field and should be working in one or more of the following areas: statistical signal processing or image analysis; modern time series analysis; statistical theory for algorithms; statistical computing (algorithms and applications to statistical methodologies). An outstanding research and teaching record is required for appointment 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 initiatives in Astrophysics, Bioinformatics, and in Computational Science. 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 (from applicants with Ph.D. obtained in 2005 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, 2006, 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, 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 15 years experience post PhD. We will consider strong candidates in any area of theoretical, applied, or computational statistics. EOE For more information please visit : http://www.stat.berkeley.edu/index.php?option=com_content&task=view&id=65&Itemid=130

## USA: California

**University of California, Berkeley**
**Department of Statistics**

We invite applications for a special full-time Neyman Visiting Assistant Professor position, beginning July 1, 2007. The Neyman Visiting Assistant Professor appointment is for a two-year duration (but can be shorter by mutual agreement) and is not renewable. EOE For more information please visit: http://www.stat.berkeley.edu/index.php?option=com_content&task=view&id=65&Itemid=130

## USA: California

UCIrvine
University of California, Irvine

**Assistant or Associate Professor**
**Department of Statistics**

The Department of Statistics (www.stat.uci.edu) at the University of California, Irvine (UCI), invites applications for a tenure-track assistant or tenured associate professor position beginning July 1, 2007. 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 continue to grow. Applicants must hold a Ph.D. 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, graduate transcripts (for assistant professor candidates), sample research publications, and three letters of recommendation (names of references are acceptable for associate professor candidates) should be uploaded electronically. Please refer to the following web site for instructions http://www.ics.uci.edu/employment/employ_faculty.php

The review of applications will begin December 15, 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: Florida

**UF|UNIVERSITY of FLORIDA**

The Department of Epidemiology and Health Policy Research, Division of Biostatistics at the University of Florida, College of Medicine is seeking an Assistant in Statistics. This faculty-level position will support research at the VA Rehabilitation Outcomes Research Center. The ideal candidate will have an M.S. in statistics with at least three years of experience. Submit to: *Bruce Vogel, Box 100177, University of Florida, Gainesville, FL 32610.* The University of Florida is an Equal Opportunity Institute.

## USA: Georgia

**Georgia Institute of Technology**

The School of Mathematics at Georgia Tech is now in the third year of an ambitious faculty recruitment program - one which will be sustained over a five year period. During the first two years, eight appointments were made, including four tenured appointments, two 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 the *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 2006, 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

### Department of Applied Mathematics
### Illinois Institute of Technology, Chicago, IL

The Department of Applied Mathematics at IIT invites applications for one tenure-track faculty position, beginning in August 2007. The preferred rank is assistant professor. Candidates with exceptional research and funding records may be considered for a senior appointment.

The successful candidate must have earned a PhD degree, demonstrated the potential for outstanding research and be dedicated to excellent teaching. The preferred specializations are computational mathematics and stochastics. We are keenly interested in candidates with broad interests who will collaborate with other colleagues in applied mathematics and related disciplines.

The Department of Applied Mathematics currently consists of 13 tenured/tenure-track faculty. Our mission is: i) to undertake top-rate research in applied analysis, computational mathematics, discrete applied mathematics, and stochastics, and ii) to provide quality education at the BS through PhD levels to both our applied mathematics students and those in other disciplines who need applied mathematics. Our departmental and institutional culture promotes mutually beneficial collaborations, such as the Masters of Mathematical Finance we offer in partnership with the Stuart Business School.

With a very diverse student body of over 6,000, IIT is a private, Ph.D.-granting university with programs in engineering, science, psychology, architecture, business, design and law. IIT is located in the heart of the vibrant city of Chicago. Further information about IIT and the Department of Applied Mathematics can be found at http://math.iit.edu.

To apply please submit a cover letter, a curriculum vitae, succinct teaching and research statements, and at least four confidential reference letters (one addressing teaching effectiveness) to:

*Fred J. Hickernell, Chair*
*Department of Applied Mathematics*
*Illinois Institute of Technology*
*Room 208, Building E1*
*10 W. 32nd Street*
*Chicago, IL 60616*
Phone: (312) 567-8983
FAX: (312) 567-3135
Email: amsearch@math.iit.edu

Applications will be reviewed beginning November 15, 2006. We especially encourage applications from women and under-represented groups. IIT 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, 2007, subject to budgetary approval.

**Tenure track positions.** Candidates in all areas of interest to the Department will be considered. The position is at the Assistant Professor level. Applicants must have a Ph.D. or equivalent degree in mathematics, computer science, statistics, mathematics education or related field, an outstanding research record, and evidence of strong teaching ability. The salary is negotiable.

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 T;*
*Chicago, IL 60607.*

Applications through mathjobs.org are encouraged. No e-mail applications will be accepted. To ensure full consideration, materials must be received by November 16, 2006. 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, 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 position, effective August 16, 2007, subject to budgetary approval.

**Research Assistant Professorship**. This is a non-tenure track position, normally renewable annually to a maximum of three years. This position carries 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 2006-2007 for this position is $52,000, the salary for AY 2007-2008 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*

Applications through mathjobs.org are encouraged. No e-mail applications will be accepted. To ensure full consideration, materials must be received by November 30, 2006. 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: Indiana

### Indiana University

The College of Arts and Sciences at Indiana University invites applications for tenure track positions for a newly created Department of Statistics. Up to four appointments at all levels are anticipated during the next three years. Applicants are expected to have an active research program, a strong interest in interdisciplinary collaborations, and a commitment to teaching excellence. A Ph.D. in statistics or a related field is required. Interested senior faculty will certainly be considered.

The Department of Statistics is ultimately expected to grow to ten faculty members plus several affiliated faculty from other University departments who have a strong background in applied statistics. The Department will offer a Bachelor's in Statistics and a Master's in Applied Statistics. A Ph.D. in Statistics will also be developed. The Department is responsible for the Indiana Statistical Consulting Center. More information about the department can be found at its website: http://www.stat.indiana.edu/

Applications received by November 15, 2006 will be assured consideration for the 2007-2008 academic year. The search will remain open until all available positions are filled.

Applicants should submit a curriculum vitae, representative preprints or reprints and a concise statement of research interests and goals. Applicants for Assistant Professorships should also have letters of recommendation sent directly. Please address all correspondence to:

*Dana Little, Department of Statistics, Indiana University,*
*1022 East Third Street, Bloomington, IN 47405.*

Indiana University offers competitive salaries and excellent benefits. Indiana University is an Equal Opportunity/Affirmative Action Employer strongly committed to excellence through diversity. Applications from women and minorities are especially encouraged. The University is also responsive to the needs of dual-career couples.

## USA: Iowa

### Luther College

### Assistant Professor of Mathematics (Statistics).

Luther College invites applications for a tenure-track position in our Department of Mathematics, in any area of statistics, to begin late August 2007. Ph.D. expected by starting date. The candidate will be able to lead our mathematics/statistics major program. The teaching load is five courses per year in the mathematics/statistics major and one introductory statistics course. Demonstrated excellence in teaching is expected. Review of applications begins November 1, 2006, and continues until the position is filled. Submit a letter of application, statement of teaching philosophy, curriculum vitae, undergraduate and graduate transcripts, statement of research interests and plans, and three letters of recommendation to *Dr. Steve Hubbard, Head, Department of Mathematics, Luther College; Decorah, IA 52101.* Fax: 563-387-1088, E-mail: hubbarst@luther.edu. Women and persons of diverse ethnic backgrounds are encouraged to apply. An EEO employer.

## USA: Iowa

IOWA STATE UNIVERSITY
OF SCIENCE AND TECHNOLOGY

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

The Department of Statistics at Iowa State University invites applications for two faculty positions at the rank of assistant or associate professor. A PhD in statistics or a closely related field is required. Candidates will be expected to maintain a strong research program. Any area of statistics will be considered, but interest in theoretical statistics, Bayesian inference, statistical computing, time series or risk analysis would be appealing. Academic rank will be based on current record and future potential for research and teaching excellence in statistics.

The Department of Statistics has a large and diverse faculty and well established and effective MS and PhD programs. These positions offer immediate opportunities for graduate student guidance and graduate level teaching. Our strong links with other University departments and research centers provide opportunities to collaborate with faculty in engineering, physical, biological, social and behavioral sciences. Further information about the department and the open positions can be found at *http://www.stat.iastate.edu*.

Assistant Professor candidates should provide an application letter, curriculum vita, transcripts, teaching and research statements, and a dissertation abstract. Additionally, the candidate should arrange for three letters of recommendation to be sent. Candidates for an Associate Professorship should send an application letter, curriculum vita, and full contact information for four references. Materials should be submitted electronically as .PDF e-mail attachments to statfacultysearch@iastate.edu. If necessary, paper materials may be mailed to: *Faculty Search, Statistics Department, 102 Snedecor Hall, Iowa State University, Ames, Iowa 50011-1210*. Review of applications will begin on November 27, 2006 and will continue until the position is filled.

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

## USA: Kansas

### Department of Statistics, Kansas State University

**Position # 300**

Assoc./Full 11 month, begins 8/07. Position requires Ph.D. in statistics or biostatistics and has teaching, research, and consulting responsibilities. Agricultural statistics expertise and leadership potential required. Ability to teach one or more of linear models, generalized mixed models, design, bioinformatics, and direct graduate research preferred. Review begins 12/1/06 and continues until position is filled. See www.k-state.edu/stats for details. Kansas State University is an equal opportunity employer and actively seeks diversity among its employees.

**Position # 200**

Asst./Assoc. 9 month, begins 8/07. Position requires Ph.D. in statistics or biostatistics and has teaching, research, and consulting responsibilities. Agriculture consulting required. Prefer bioinformatics experience, ability to teach courses from among categorical data analysis, linear models, resampling methods, design, sampling. Established research, excellent teaching preferred. Review begins 12/1/06 and continues until position is filled. See www.k-state.edu/stats for details. Kansas State University is an equal opportunity employer and actively seeks diversity among its employees.

**Position # 100**

Asst. 9 month, begins 8/07. Position requires Ph.D. in statistics or biostatistics and has teaching and research responsibilities. Area open; preferred areas include one or more of categorical data analysis, sampling, resampling methods, statistical education. Teaching flexibility, potential for sustained research, excellence in teaching are preferred. Review begins 11/15/06 and continues until position is filled. See www.k-state.edu/stats for details. Kansas State University is an equal opportunity employer and actively seeks diversity among its employees.

## USA: Massachusetts

RADCLIFFE INSTITUTE FOR ADVANCED STUDY
HARVARD UNIVERSITY

# fellowships

The Radcliffe Institute for Advanced Study at Harvard University awards fully funded fellowships each year. Radcliffe Institute fellowships are designed to support scientists of exceptional promise and demonstrated accomplishment. Scientists, in any field, with a doctorate in the area of the proposed project by December 2006 are eligible to apply. Only scientists who have at least one published article or monograph are eligible to apply.

The stipend amount of $60,000 is meant to compliment sabbatical leave salaries of faculty members. Fellows receive office space, computers and high speed links, and access to libraries and other resources of Harvard University during the fellowship year, which extends from early September 2007 through June 30, 2008. Residence in the Boston area is required as is participation in the Institute community. Fellows are expected to present their work-in-progress and to attend other fellows' events.

For more information, including lists of present and past fellows, visit our Web site at www.radcliffe.edu. Applications are due by December 4th, 2006. Apply on-line or write, call, or e-mail for an application:

**Radcliffe Application Office**
**34 Concord Avenue, Cambridge, MA 02138**
**617-496-3048**
**science@radcliffe.edu**
**www.radcliffe.edu**

## USA: Massachusetts

### MASSACHUSETTS INSTITUTE OF TECHNOLOGY, DEPARTMENT OF MATHEMATICS: STATISTICS

The Department of Mathematics at MIT is seeking to fill possible positions at the level of Instructor, Assistant Professor or higher in STATISTICS or APPLIED PROBABILITY beginning September 2007. Appointments will be made based on demonstrated research qualifications. We request that applications and other materials, including (a) curriculum vitae, (b) research descriptions, and (c) three separately-sent letters of recommendations, be submitted online at www.mathjobs.org. Applications should be complete by January 1, 2007 to receive full consideration. We request that your letters of reference be submitted by the reviewers via mathjobs. Alternatively, they may be sent to: *Committee on Mathematical Statistics, Room 2-263, Department of Mathematics, MIT, 77 Massachusetts Ave., Cambridge, MA 02139-4307.*

MIT is an Equal Opportunity, Affirmative Action Employer. For more information about our department, please see math.mit.edu.

## 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, 2007. 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 January 1, 2007 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: Missouri

### University of Missouri–Columbia

Two positions at the Assistant or Associate level in statistics fall 2007. Send letter of application, CV, PhD transcripts and three letters of reference to *Chair Search Committee, Statistics Department, University of Missouri, Columbia, MO 65211-4100*, or via email: umcstatfacsearch@missouri.edu. For more information visit www.stat.missouri.edu. Review of applications will begin December 1, 2006, and continue until positions filled. The University of Missouri is an Affirmative Action/Equal Opportunity/ADA employer. Women and minorities are encouraged to apply.

## USA: New Jersey

### Rutgers University

The Department of Statistics at Rutgers University invites applications for tenured or tenure track assistant professor positions, starting fall 2007, contingent on availability of funding. Evidence of potential excellence in research and teaching is required. Please send CV, and three letters of recommendation to: *Search Committee, Department of Statistics, Rutgers University, 110 Frelinghuysen Ave, Piscataway, NJ 08854-8019.* Rutgers University is an Equal Opportunity Employer.

## USA: New Hampshire

### Dartmouth College

Tenure-track Mathematics Assistant Professorship beginning 2007-2008. In extraordinary cases, appointment at a higher rank is possible. Candidates should be working in discrete or combinatorial mathematics with connections to existing research interests in the department. Examples include discrete probability, graph theory, algebraic combinatorics, combinatorial number theory, and discrete geometry. In exceptional circumstances, other research areas may be considered.

Candidate must have strong commitment to outstanding teaching and interaction with students at all levels of undergraduate and graduate study. New faculty members offered grants for research-related expenses, a quarter of sabbatical leave for each three academic years in residence, and flexible scheduling of teaching responsibilities. Teaching responsibility is three courses spread over three of four ten-week terms.

Applications may be obtained at www.math.dartmouth.edu/recruiting/. Or, send application letter, vita, research statement, four recommendation letters (one teaching), to *Annette Luce, Department of Mathematics, Dartmouth College, 6188 Kemeny Hall, Hanover, NH 03755-3551.* Applications completed by December 15, 2006 considered first. Women and minorities are encouraged to apply.

## USA: New York

### Cornell University

The Department of Mathematics at Cornell University invites applications for possible visiting positions, academic year or one semester teaching positions (rank based on experience) beginning July 1, 2007. Seeking candidates who have excellent teaching skills. Teaching load varies from 1-4 courses per year, depending on the individual and the availability of courses. Candidates with teaching and research interests compatible with current faculty are sought. Applicants are strongly encouraged to apply electronically at www.mathjobs.org.

For information about our positions and application instructions, see: http://www.math.cornell.edu/Positions/facpositions.html.

Applicants will be automatically considered for all eligible positions. Deadline December 1, 2006. Early applications will be regarded favorably. Cornell University is an Affirmative Action/Equal Opportunity Employer and Educator.

## USA: New York

### Cornell University

The Department of Mathematics at Cornell University invites applications for a tenure-track Assistant Professor position, or higher rank, pending administrative approval, starting July 1, 2007. Applications in all areas of Mathematics will be considered with a priority given to probability.

Applicants are strongly encouraged to apply electronically at www.mathjobs.org.

For information about our positions and application instructions, see: http://www.math.cornell.edu/Positions/facpositions.html

Applicants will be automatically considered for all eligible positions.

Deadline November 1, 2006. Early applications will be regarded favorably.

Cornell University is an Affirmative Action/Equal Opportunity Employer and Educator.

## USA: New York

### Cornell University

The Department of Mathematics at Cornell University invites applications for three or more H.C. Wang Assistant Professors, non-renewable, 3-year term beginning July 1, 2007. Successful candidates are expected to pursue independent research at Cornell and teach three courses per year.

Applicants are strongly encouraged to apply electronically at www.mathjobs.org.

For information about our positions and application instructions, see: http://www.math.cornell.edu/Positions/facpositions.html.

Applicants will be automatically considered for all eligible positions.

Deadline December 1, 2006. Early applications will be regarded favorably.

Cornell University is an Affirmative Action/Equal Opportunity Employer and Educator.

## USA: North Carolina

**Duke University**

**Institute of Statistics and Decision Sciences**

The Institute of Statistics and Decision Sciences invites applications for the position of Professor and Director of the Institute to begin in Fall 2007. Candidates must provide an outstanding research record along with demonstrated evidence of success in an environment where education and collaborative research are valued.

The Institute of Statistics and Decision Sciences is an internationally recognized center of excellence for research and education in the development and application of contemporary statistical methodology. Particular emphasis is directed toward Bayesian modeling in many scientific fields as well as emerging computationally intensive methods. The Institute offers outstanding computational facilities and opportunities for interdisciplinary research. It currently has 12 regular rank faculty along with 14 visiting, adjunct, and post doctoral faculty and 32 Ph.D. students. A new undergraduate ma jor will commence this Fall with an associated renaming of the Institute to the Department of Statistical Science anticipated for Fall 2007. The Ph.D. program as well as the Institute's research agenda benefit from strong connections with the Statistics and Applied Mathematical Sciences Institute (SAMSI) and the National Institute of Statistical Science (NISS), both located nearby in the Research Triangle. More information about ISDS is available at the web site http://www.stat.duke.edu.

All applicants should send a letter, curriculum vitae, and the names of three references. Mail applications to *Alan E. Gelfand, Chair, Faculty Search Committee, ISDS, Duke University, Box 90251, Durham, NC 27708-0251*. For inquiries and e-mail correspondence please write to search@stat.duke.edu. The application pool will remain open until the position is filled but screening will begin on 1 December, 2006.

Duke University is an Equal Opportunity/Affirmative Action Employer.

## USA: Pennsylvania

**Carnegie Mellon University**

Applications are invited for tenure-track, lecturer, and visiting positions. 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 are 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: Oregon

**University of Oregon**

**Assistant or Associate Professor of Mathematics (3 positions)**

The University of Oregon department of mathematics seeks applicants for three full-time tenure-related positions at the rank of Assistant or Associate Professor, in any area of pure or applied mathematics, including statistics and mathematics education. Minimum qualifications are a PhD in mathematics statistics, or closely related field, an outstanding research record and evidence of teaching ability. Applicants will please provide a standard AMS cover page, CV and three letters of recommendation, all mailed directly to: *Search Committee, Department of Mathematics, 1222 University of Oregon, Eugene, Oregon, 97403-1222*. Email applications or letters of reference will not be accepted. Deadline for applications: December 29, 2006. Candidates should have the ability to work effectively with a diverse community. The University of Oregon is an EO/AA/ASA institution committed to cultural diversity.

## USA: Oregon

**University of Oregon**

**Research Assistant Professor of Mathematics (Postdoctoral)**

The University of Oregon department of mathematics seeks applicants for the Paul Olum Research Assistant Professorship. This is a full-time two-year position and is not tenure-related. Minimum qualifications for this postdoctoral position are a PhD in mathematics, statistics, or closely related field, a strong record of research potential and evidence of teaching ability. Applicants will please provide a standard AMS cover page, CV and three letters of recommendation, all mailed directly to : *Paul Olum Search Committee, Department of Mathematics, 1222 University of Oregon, Eugene, Oregon 97403-1222*. Email applications or letters of reference will not be accepted. Deadline for applications: January 12, 2007. Candidates should have the ability to work effectively with a diverse community. The University of Oregon is an EO/AA/ASA institution committed to cultural diversity.

## USA: Pennsylvania

**Haverford College**
**Haverford, Pennsylvania**
**Assistant Professor of Statistics**

Haverford College seeks to fill a tenure-track position in statistics at the beginning or advanced assistant professor level. Candidates should have demonstrated a strong commitment to teaching and research, and potential for growth in both. Candidates should expect to share in the development and teaching of statistics courses at the introductory level, and to offer advanced courses in areas of their own interest. The position resides in the mathematics department, but the college seeks someone to provide expertise and leadership in helping to develop a coherent college-wide program in statistics. The position requires a doctorate, but an appointment at the level of instructor may be made if the degree is not awarded by September 2007.

Send a cover letter explaining your interest in the position, CV, statements of teaching and research interests and activities, and at least three letters of recommendation to

*Kay Warner, Administrative Assistant,*
*Statistics Search, Haverford College,*
*370 Lancaster Avenue, Haverford PA 19041.*

To ensure full consideration, applications should be received by January 1, 2007. Haverford is an Equal Opportunity/Affirmative Action employer, committed to excellence through diversity, and strongly encourages applications and nominations of persons of color, women, and members of other under-represented groups.

Haverford is a highly selective coeducational liberal arts college located just outside Philadelphia. Faculty members maintain active research programs and work closely with students. Inquiries about the position may be emailed to Kay Warner at kwarner@haverford.edu or Professor Lynne Butler at lbutler@haverford.edu.

## USA: Pennsylvania

**Assistant Professor**
**Lehigh University**

The Lehigh Department of Mathematics seeks to build on its strengths in probability and statistics by hiring at the Assistant Professor level in mathematical statistics/probability, with interest in statistical applications.

A successful candidate will demonstrate great research potential, and have a record of successful teaching commensurate with the position. Applications from new and recent Ph.D.'s are welcome.

The College of Arts and Sciences at Lehigh is especially interested in qualified candidates who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community.

As part of their application, candidates should submit: (a) an AMS cover sheet; (b) a complete vita, including a list of publications; (c) a research plan; (d) a statement of teaching philosophy; and (e) at least four letters of recommendation, at least one of which addresses the candidate's teaching.

Applications received by November 15 will be assured of full consideration. Application materials should be sent to:

*Statistics Hiring Committee*
*Department of Mathematics*
*Lehigh University*
*Bethlehem, PA 18015-3174*

Lehigh University is an Equal Opportunity/Affirmative Action employer.

For more information about the position or institution: http://www.lehigh.edu/~math

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## USA: Pennsylvania

**STATISTICS FACULTY POSITION**

**Penn State**

The Department of Statistics at Penn State seeks to fill one position at assistant or associate rank beginning August 2007. Primary responsibilities: conduct research and teach undergraduate and graduate courses. Collaborative research opportunities are possible in several university initiatives. Qualifications: Requires Ph.D. in Statistics or related field. Candidates must demonstrate potential for excellence in research and teaching. See www.stat.psu.edu for more information. Please send a letter of application, curriculum vita and three letters of recommendation to: *Chair, Faculty Search Committee, Department of Statistics, Penn State, 326I Thomas Building, University Park, PA 16802 2111, USA*. Screening will begin November 15, 2006, and continue until the positions are filled. Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

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## USA: Pennsylvania

**FACULTY POSITION**
**Department of Statistics**
**Arts and Sciences**
**University of Pittsburgh**

The Department of Statistics at the University of Pittsburgh invites applications for a tenure-track position, pending budgetary approval. This position begins September, 2007:

**Assistant Professor**

This position involves teaching, statistical research, and collaboration with investigators outside of Statistics. Strong preference will be given for research in computationally intensive methods, but any area of statistics will be considered.

Send CV, transcripts, and 3 recommendation letters before January 5, 2007 to:

*Search Committee*
*Department of Statistics*
*2717 Cathedral of Learning*
*University of Pittsburgh*
*Pittsburgh, PA 15260*

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

## USA: Rhode Island

**Brown University**
**Program in Public Health**
**Two Tenure-Track Faculty Positions in Biostatistics**

The Biostatistics Section of the Program in Public Health invites applications for two new faculty positions, one senior (Associate or Full Professor, tenured) and one junior (Assistant Professor, tenure-track), available immediately.

Applications are invited from outstanding biostatisticians. Areas of particular interest to the Section include bioinformatics, the evaluation of biomarkers and diagnostic tests, the analysis of spatial data, and statistical methods for neuroscience. Candidates for Associate or Full Professor should have a nationally and internationally recognized record of innovative methods research in biostatistics, significant experience in interdisciplinary research, and demonstrated leadership potential. Candidates for Assistant Professor should provide evidence of outstanding research potential. All candidates must show evidence of excellent oral and written communication skills and possess strong ability and interest in teaching and mentoring of students.

The new faculty members will join a highly interdisciplinary Biostatistics faculty of eight and will play an integral role in the ongoing expansion of biostatistics research and education at Brown. Current faculty research interests include diagnostic test evaluation, missing data and causal inference, bioinformatics, Bayesian inference, and health services research. Growth in Biostatistics is part of a major, ongoing expansion of research and educational programs in Public Health at Brown. The academic departments and research centers in Public Health, Medicine, and Biology at Brown and university wide research initiatives, such as Spatial Structures in Social Sciences, provide rich opportunities for interdisciplinary research.

Interested applicants should send a letter of application, a brief statement of current and planned research, and an updated curriculum vitae to:

Constantine Gatsonis, Director
Center for Statistical Sciences
Box G-S1217, 121 South Main Street
Brown University
Providence RI 02912

Candidates for Assistant Professor should arrange for at least three letters of recommendation to be sent to the above address. Candidates for Associate or Full Professor should provide names and contact information of five referees. Application review will start on 1 November, 2006 and will continue until successful candidates are selected or the search is closed. For more information, please contact Constantine Gatsonis, Ph.D. E-mail: gatsonis@stat.brown.edu; phone: 401-863-9183. Brown University is an Equal Opportunity/ Affirmative Action Employer and actively solicits applications from women and minorities.

## USA: South Carolina

**UNIVERSITY OF SOUTH CAROLINA**
**DEPARTMENT OF STATISTICS**
**Professor and Associate Professor Positions**

The Department of Statistics at the University of South Carolina invites applications for two senior faculty positions. One is expected to be at the rank of Professor, the other an Associate Professor.

Ideal candidates should have an established research record and evidence of teaching excellence at the undergraduate and graduate levels. Though all specialty areas will be considered, applicants with strengths in probability theory, mathematical statistics, nonparametric statistics, and/or stochastic processes are particularly encouraged to apply.

The Department currently consists of twelve tenured/tenure-track faculty and three full-time instructors. We offer tracks for the PhD, MS, BS, Master of Industrial Statistics (MIS), and Certificate of Graduate Study in Statistics. Our current research interests include nonparametric and semiparametric statistics, reliability and survival analysis, mathematical statistics, probability and stochastic processes, simultaneous inference, mixed models, environmetrics, and statistics education. More information about the University and the Department may be obtained from www.sc.edu and www.stat.sc.edu.

Review of applications will begin November 1, 2006. Appointments will commence August 2007. Resume and at least three letters of reference are required. The University of South Carolina is an affirmative action employer. Minorities and women are encouraged to apply. Inquiries may be directed to:

*Professor Edsel Pena* (pena@stat.sc.edu)
*Faculty Search Committee*
*Department of Statistics*
*University of South Carolina*
*Columbia, SC 29208*

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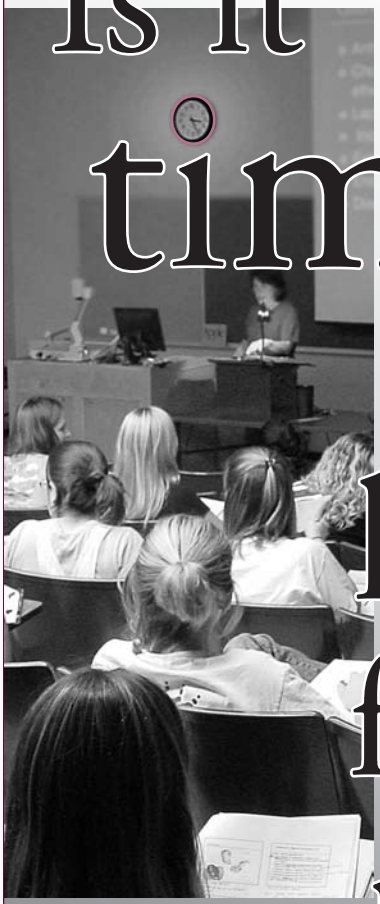

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## USA: South Carolina

**UNIVERSITY OF SOUTH CAROLINA**
**BIOINFORMATICS**
**Tenure Track Faculty Positions**

The University of South Carolina seeks three tenure-track faculty members in bioinformatics. One position will be in the College of Arts and Sciences, in one of three departments (Biological Sciences, Mathematics, and Statistics) or a joint appointment between two of these departments. The other two positions will be filled in those departments, in Computer Science and Engineering, or in Epidemiology and Biostatistics. Successful candidates will have demonstrated the ability to conduct research using bioinformatics approaches to address fundamental questions in biology. Candidates from all areas of bioinformatics research will be considered, but preference will be given to applicants whose research complements existing strength at USC in the evolutionary analysis of molecular sequences, statistical data mining, design and analysis of microarray assays, and neural networks.

Applicants should submit a letter of application, a vita, statements of research and teaching interests, names of three references, and copies of representative publications to:

*Chair of the Bioinformatics Search Committee*
*Office of the Dean*
*College of Engineering and Information Technology*
*Swearingen Engineering Center*
*University of South Carolina*
*Columbia SC, 29208*

Electronic applications should be sent to bioinformatics@engr.sc.edu.

Review of applications will begin immediately and will continue until the positions are filled.

The University of South Carolina does not discriminate in educational or employment opportunities or decisions for qualified persons on the basis of race, color, religion, sex, national origin, age, disability, sexual orientation or veteran status.

## 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 9/07. 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 colleagues in the Colleges of 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, 2006. 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

*Are you on the move?*
*Don't forget to tell us your new contact details!*

*Email staff@imstat.org*

# International Calendar of Statistical Events

**IMS meetings are highlighted in maroon with the IMS logo and new or updated entries have the NEW 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**

## October 2006

October 11–14: University of Missouri, Columbia, MO. **6th Annual Winemiller Conference on Methodological Developments of Statistics in the Social Sciences.** Lori Thombs: **t** (573) 882-3844, **f** (573) 884-5524, **e** thombsl@missouri.edu. Stas Kolenikov, **t** (573) 882-1577, **f** (573) 884-5524, **e** kolenikovs@missouri.edu. **w** http://www.socialsciencestatistics.com

October 20–21: Northwestern University, Evanston, Illinois. **28th Midwest Probability Colloquium**. Program committee: Robert Bauer, Brian Rider and David Griffeath (chair). **w** www.math.northwestern.edu/conferences

October 22: University of Washington, Seattle. **8th Northwest Probability Seminar**, dedicated to the memory of Ron Pyke. No formal registration, but please e-mail Chris Burdzy burdzy@math.washington.edu. **w** http://www.math.washington.edu/~burdzy/nwprob2006.shtml

## November 2006

November 1–3: Stellenbosch, South Africa. **2006 Annual Conference of the South African Statistical Association. w** www.sastat.org.za

NEW November 16–17: Columbia University, New York. **Fifth Northeast Probability Seminar in Celebration of the 70th Birthday of Michael Marcus.** Financial support available. **w** http://www.math.csi.cuny.edu/probability/NortheastProbabilitySeminar

## December 2006

December 1–3: Coimbatore, Tamil Nadu, India. **24th Annual Conference of the Indian Society for Medical Statistics: "Medical Statistics and National Millennium Development Goals".** Organizer: Dr Anil C. Mathew, Associate Professor of Biostatistics, PSG Institute of Medical Sciences & Research, Coimbatore 641004, Tamil Nadu, India. **t** 91-422-2570170 ext 5803 or 91-422-5535177, **e** dranilmathew@rediffmail.com

December 4–8: Australian National University, Canberra, Australia. **BioInfoSummer2006: ICE-EM Summer Symposium in Bioinformatics.** Katie Lau **e** BioInfoSummer@yin.anu.edu.au **w** http://wwwmaths.anu.edu.au/events/BioInfoSummer06/

December 18–20: Jerusalem, Israel. **The Book of Ester Samuel-Cahn: From Empirical Bayes to Prophet Inequalities.** Isaac Meilijson, Chair of Program Committee **e** isaco@post.tau.ac.il, **t** +972-3-640-8826 or Aliza Shadmi, Conference Coordinator **e** shadmi-n@012.net.il, **t** +972-2-641-6394. **w** http://www.EsterConference.huji.ac.il

IMS December 28–29: Calcutta, India. **Multivariate Methods in the 21st Century: The legacy of Professor S N Roy.** Organizers: Barry C Arnold barry.arnold@ucr.edu or Ashis SenGupta ashis@isical.ac.in or ashis@stat.ucr.edu **w** http://www.isical.ac.in/~multstatconf/an_international_conference_titl.htm

December 29–31: Calcutta, India. **6th International Triennial Calcutta Symposium on Probability and Statistics.** Contact Asis Kumar Chattopadhyay: Dept of Statistics, Calcutta University, 35, Ballygunge Circular Road, Kolkata 700019, India. **e** asis_stat@yahoo.com **w** www.calcuttastatisticalassociation.org

## January 2007

IMS January 2-5: Cochin, India. **IISA meeting on Statistics, Probability and Related Areas. w** http://www.stat.ohio-state.edu/~hnn/IISAConf2007.pdf

January 12–13: Gainesville, FL. **University of Florida Ninth Annual Winter Workshop: Emerging Methods in Environmental Statistics.** Some travel support available. Contact Mary Christman, Dept. Statistics, University of Florida, PO Box 110339, Gainesville, FL 32611-0339 **e** mcxman@ufl.edu **w** http://www.stat.ufl.edu/symposium

January 23–25: Eilat, Israel. **Fourth meeting of the Eastern Mediterranean Region of the International Biometric Society (EMR-IBS).** David Zucker, Hebrew University Dept of Statistics. **t** +972-2-588-1291 **f** +972-2-588-3549 **e** mszucker@mscc.huji.ac.il **w** http://www.congress.co.il/emr-ibs2007

## March 2007

IMS March 11-14: Hyatt Regency Atlanta, Georgia. **2007 ENAR/IMS Spring Meeting. w** www.enar.org/meetings.htm

March 27–30: Bielfeld, Germany. **Statistik unter einem Dach / Statistics under one roof.** **w** www.statistik2007.de/enhome/index.html **e** dagstat2007@uni-bielefeld.de

## May 2007

May 23–26: Philadelphia, PA. **Interface 2007 Conference on Systems Biology.** Contact Alan J. Izenman, Department of Statistics, Speakman Hall, 1810 North 13th Street, Philadelphia, PA 19122-6083 **t** (215) 204-8166 **e** alan@temple.edu

May 29 – June 1: Chania, Crete. **XII International Conference on Applied Stochastic Models and Data Ananlysis.** **w** http://www.asmda.com/id7.html

## June 2007

June 10–13: 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: Vienna, Austria. **MCP 2007 Vienna:** 5th international conference on multiple comparison procedures. **w** www.mcp-conference.org

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

IMS July 29 – August 2: Salt Lake City, Utah. **IMS Annual Meeting at JSM2007** IMS Program Co-chairs: Tony Cai and Mark Low. **w** www.amstat.org/meetings/jsm/2007

## August 2007

NEW IMS August 5–11: Urbana, Illinois. **32nd Conference on Stochastic Processes and their Applications.** **w** http://www.math.uiuc.edu/SPA07/

NEW August 6–8: UCLA, Los Angeles. 2007 **SOCR/CAUSEweb Statistics Education Workshop.** **w** http://wiki.stat.ucla.edu/socr/index.php/SOCR_Events_Aug2007

NEW August 9-12: Sandbjerg, Denmark. **Satellite Summer School on Lévy Processes: Theory and Applications.** **w** http://www.math.ku.dk/conf/levy2007/levy.html

NEW August 13–17: Copenhagen, Denmark. **Fifth International Conference on Lévy Processes: Theory and Applications.** **w** http://www.math.ku.dk/conf/levy2007/levy.html

August 18–20: The Azores Archipelago, Portugal. **ISBIS-2007: International Symposium on Business and Industrial Statistics.** Contact Francisco Samaniego, Program Chair **e** fjsamaniego@ucdavis.edu or Bovas Abraham, ISBIS President **e** babraham@uwaterloo.ca **w** http://www.isbis2007.uac.pt

## December 2007

NEW December 28–30: Shin-Juang, Taipei County, Taiwan. **International Conference on Multiple Decisions and Related Topics in Honor of DY Huang.** Contacts: Prof. Ming-Chung Yang **e** yang@stat.ncu.edu.tw ; Prof. Sheng-Tsaing Tseng **e** sttseng@stat.nthu.edu.tw ; Prof. Fu-Chuen Chang **e** changfc@math.nsysu.edu.tw

## March 2008

IMS March 16-19: Hyatt Regency Crystal City, Arlington, VA. **2008 ENAR/IMS Spring Meeting.** **w** www.enar.org/meetings.htm

## May 2008

May 25–29: Ottawa, Canada. **2008 Joint Meeting of SSC and the Société Française de Statistique.** Local Arrangements: Pierre Lavallée, Statistics Canada **e** pierre.lavallee@statcan.ca . Program: Bruno Rémillard (HEC Montréal) **e** bruno.remillard@hec.ca **w** http://www.ssc.ca/2008/index_e.html

## July 2008

NEW IMS July 14–19: Singapore. **71st IMS Annual Meeting in conjunction with 7th Bernoulli Society World Congress.** Local chair: Louis Chen. **w** http://www.ims.nus.edu.sg/Programs/wc2008/index.htm **e** wc2008@ims.nus.edu.sg

## August 2008

IMS August 3–8: Denver, Colorado. **JSM2008.**

Continued on **page 42**

# International Calendar *continued*

## March 2009

March 15-18: Grand Hyatt, San Antonio, Texas. **2009 ENAR/IMS Spring Meeting. w** www.enar.org/meetings.htm

## August 2009

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

## August 2010

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

## July 2011

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

## July 2012

July 29 – August 2: San Diego, California. **JSM2012.**

## August 2014

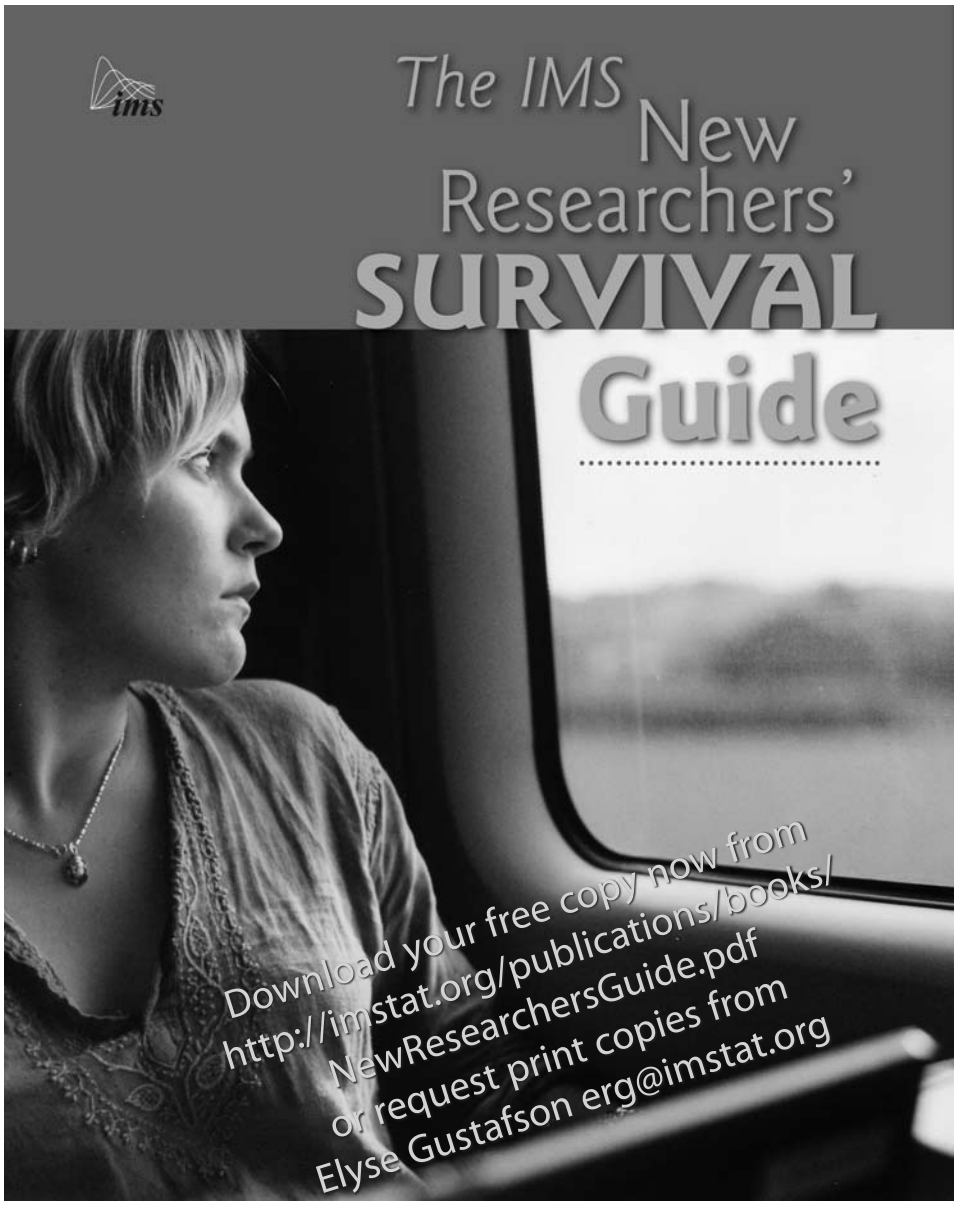
August 3–7: Boston, Mass. **JSM2014.**

*Are you organizing a meeting?*

*Do you want to see it listed here?*

***It's easy… and it's free!***

*Simply email the details to Elyse Gustafson erg@imstat.org and we'll list it here in the Bulletin, and on the IMS website meetings page, too.*



## Membership and Subscription Information

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.

Individual and Organizational Memberships: Each individual member receives the *IMS Bulletin* and may elect to receive one or more of the four scientific journals. Members pay annual dues of $75. An additional amount is added to the dues of members depending on the scientific journal selected as follows: *Statistical Science* ($15), *The Annals of Statistics* ($30), *The Annals of Probability* ($30), and *The Annals of Applied Probability* ($20). Of the total dues paid, $28 is allocated to the *Bulletin* and the remaining amount is allocated among the scientific journals received. Reduced membership dues are available to full-time students, new graduates, permanent residents of countries designated by the IMS Council, and retired members. Organizational memberships are available to institutions at $680 per year and to corporations at $850 per year. Organizational memberships include two multiple-readership copies of all IMS journals in addition to other benefits specified for each category (details available from the IMS Business Office).

Individual and General Subscriptions: Subscriptions are available on a calendar-year basis. Individual subscriptions are for the personal use of the subscriber and must be in the name of, paid directly by, and mailed to an individual. Individual subscriptions for 2006 are available to *The Annals of Applied Probability* ($105), *The Annals of Probability* ($110), *The Annals of Statistics* ($115), *IMS Bulletin* ($60), and *Statistical Science* ($100). General subscriptions are for libraries, institutions, and any multiple-readership use. General subscriptions for 2006 are available to *The Annals of Applied Probability* ($170), *The Annals of Probability* ($250), *The Annals of Statistics* ($250), *IMS Bulletin* ($70), and *Statistical Science* ($140). Airmail rates for delivery outside North America are $80 per title (excluding *IMS Bulletin*).

The *IMS Bulletin* publishes articles and news of interest to IMS members and to statisticians and probabilists in general, as well as details of IMS meetings and an international calendar of statistical events. Views and opinions in editorials and articles are not to be understood as official expressions of the Institute's policy unless so stated; publication does not necessarily imply endorsement in any way of the opinions expressed therein, and the *IMS Bulletin* and its publisher do not accept any responsibility for them. The *IMS Bulletin* is copyrighted and authors of individual articles may be asked to sign a copyright transfer to the IMS before publication.

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### General information

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### Advertising rates and requirements

Ad rates include copy in *IMS Bulletin* and on IMS web page (same price for placing ad in one medium). Ads will be posted on the web site within 7-10 days of receipt. See below for *Bulletin* deadlines.

We accept two kinds of adverts: camera-ready and text. Camera-ready ads should be sent as grayscale PDF with all fonts embedded. Text ads can be sent as a Word or plain text attachment, or in the body of an email. If you want a logo or other graphic to be included with your text ad, please send it separately as a grayscale 300 dpi TIFF. Please ask if you need help with these formats.

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### Deadlines and Mail Dates for *IMS Bulletin*

| Issue | Deadline for Advertisement | Online by | Scheduled Mail Date |
|---|---|---|---|
| 1: January/February | ***December 1*** | December 15 | January 1 |
| 2: March | ***February 1*** | February 15 | March 1 |
| 3: April | ***March 1*** | March 15 | April 1 |
| 4: May | ***April 1*** | April 15 | May 1 |
| 5: June | ***May 1*** | May 15 | June 1 |
| 6: July | ***June 1*** | June 15 | July 1 |
| 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 |
| 10: December | ***November 1*** | November 15 | December 1 |

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## in the next issue

# November 2006

A message from the new IMS President, as well as news of members, meeting announcements and job opportunities.

We'd love to hear from you! Send in your articles, feedback, letters…

## DEADLINE for submissions

# October 1, 2006

Please see inside the back cover for subscription details and information for advertisers, including all our deadlines and requirements

The purpose of the Institute is to foster the development and dissemination of the theory and applications of statistics and probability

IMS: Organized September 12, 1935

# Kakuro corner

**How to play:** Place single digits (1 to 9 inclusive) in the white boxes in the grid. The row or column of digits which make up a sequence must add up to the black box to the left or at the top. Each digit in a sequence must be different. In the example below, the first row sequence is to make 8:

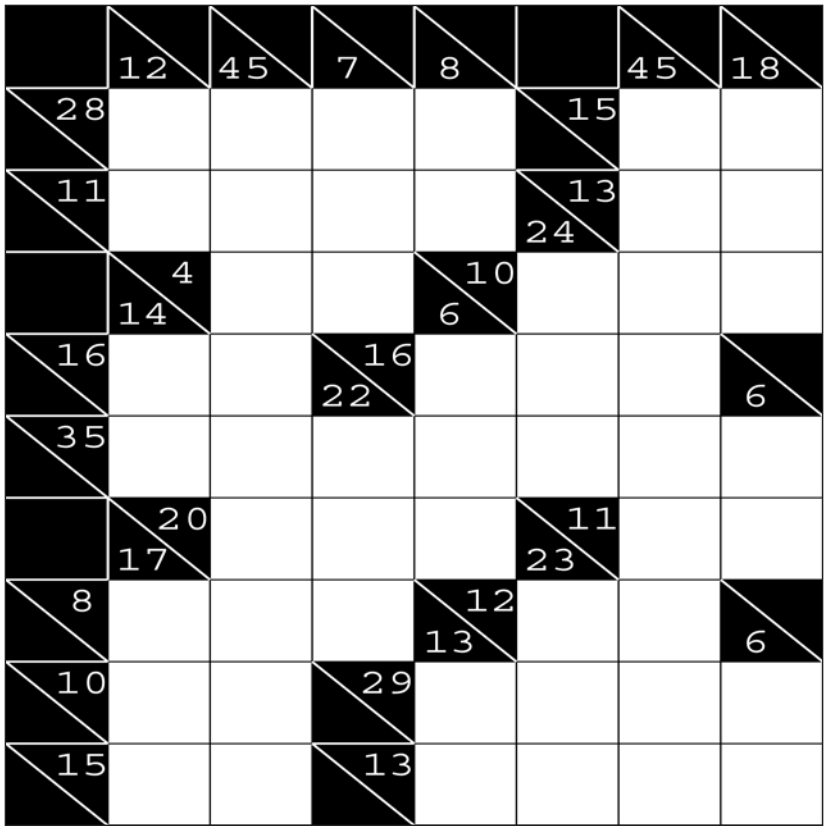
*No repeated digits in a sequence.*

*This row sequence doesn't add up to 8.*

*...this one does! (So does 1,2,5 and 3,1,4 and so on)*

Solution 07 from last issue

Puzzle 08




Puzzle by www.yoogi.com