



March 2005

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IMS Lectures in Vietnam



The second in the new series of IMS Lecture Programs in developing countries was given by Tom Kurtz, during a January visit to Hanoi and Ho Chi Minh City, Vietnam. Kurtz is Professor of Mathematics and Statistics at the University of Wisconsin–Madison, and is IMS President-Elect.

In Hanoi, Professor Kurtz visited the Institute of Mathematics in the Vietnamese Academy of Science and Technology and the Hanoi University of Science, lecturing on *Approximation for stochastic differential equations* and *Particle representations for population models*. In Ho Chi Minh City, the lectures were presented at the University of Natural Sciences.

Discussions with faculty and students focused on some of the challenges to the development of statistics and probability in Vietnam, including limited access to books and journals, a shortage of trained faculty, and the need to inspire students to pursue advanced training in these areas. Professor Kurtz encouraged students to take advantage of the opportunity for free membership in the IMS and also noted the availability of discounted and gift memberships for faculty in developing countries. The discussions generated a number of other ideas of how the IMS and other professional societies might support the growth of statistics and probability in Vietnam and other developing countries. These ideas will be discussed by the Executive Committee and Council over the next few months.

The trip was not devoted entirely to work. Professor Kurtz commented on the warm hospitality, the delightful entertainment, and the delicious food.



In Hanoi: [l-r] Professors Dang Hung Thang (Hanoi Univ); Ha Huy Khoai (Director, Institute of Mathematics [IoM]); Thomas G Kurtz (Univ Wisconsin); Nguyen Dinh Cong (Deputy Director, IoM); and Dr Ho Dang Phuc (IoM)



In Ho Chi Minh City: [l-r] Professors Duong Minh Duc (Univ Natural Sciences[UNS]-HCMC); Dong Thi Bich Thuy (UNS-HCMC, Vice Rector for International Relations and IT Programs); Tom Kurtz; Nguyen Bac Van (UNS-HCMC); Dr Hoang Hgoc Cuong (Office for Scientific Research); and Prof To Anh Dung (UNS-HCMC)

GIFT MEMBERSHIPS

Members wishing to support statistics and probability in developing countries can contribute to the IMS Gift Membership fund <http://www.imstat.org/membership/gift.htm>. Donations may be designated for a particular member or may be made to the general gift membership program.

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Member News

Fritz Scheuren new ASA President

Dr Fritz Scheuren, the new President of the American Statistical Association is the Vice-President for Statistics at the National Opinion Research Center (NORC), a survey research arm of the University of Chicago. He has been a principal at Ernst and Young LLP. Before joining NORC, he was a Senior Fellow at the Urban Institute working on welfare reform, following a long career of public service.

Dr Scheuren presently focuses as much as possible on human rights activities, working on projects for the Commission on International Religious Freedom, on Native American Trust Fund issues, and most recently, on improvements in vote counting for the 2004 presidential election.

He teaches part-time at the George Washington University (in the District of Columbia) -- helping to run their graduate certificate program in survey sampling, which he set up about 10 years ago. Dr Scheuren, an IMS member, is a Fellow of ASA and the American Association for the Advancement of Science, and is an elected member of the International Statistical Institute.



Statistical Science News



The incoming Editor of *Statistical Science*, Edward I George, is Universal Furniture Professor of Statistics in the Department of Statistics at the Wharton School, University of Pennsylvania.

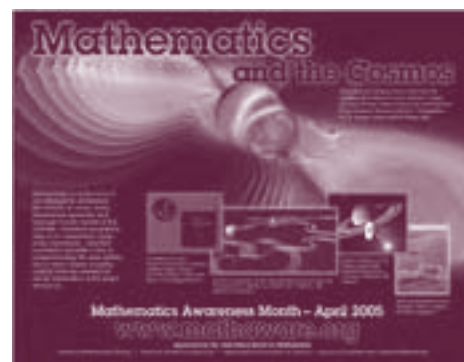
His email address, and the address to use for *Statistical Science* correspondence, is edgeorge@wharton.upenn.edu

The journal's website is now hosted at imstat.org, along with all the other IMS journals: see <http://imstat.org/sts>

Mathematics Awareness Month

Each year, April is designated Mathematics Awareness Month by four American scholarly societies: AMS, ASA, MAA and SIAM. The theme for Mathematics Awareness Month 2005 is "*Mathematics and the Cosmos*".

More information, and to download this cosmic poster, take a look at the website: <http://www.mathaware.org>



IMS Central Editorial System

Introducing a major change in practice: the IMS is launching a central editorial system to handle and track journal submissions. The new system will permit authors to submit papers electronically and allow editors, associate editors, and referees to communicate and observe progress during the review process. VTeX, the IMS typesetter located in Vilnius, Lithuania, has written the software for the new system.

Statistical Science is the first IMS journal which is moving to the new central system, and manuscripts submitted to it have already begun to enter the system. With the new software in place, journal editors will no longer hire an editorial assistant on site. The system will keep track of manuscripts, their status in the review process, and communications. The other three IMS journals will move to the new electronic system when the terms of their current editors expire. These dates are January 2006 for the *Annals of Applied Probability* and *Annals of Probability*, and January 2007 for the *Annals of Statistics*.

For authors, there will be no change from the current procedure for submission of papers. An author using electronic submission sends a pdf and/or postscript file of a manuscript following the instructions at <http://imstat.org>. A LaTeX support page for preparation of manuscript files is provided at <http://www.e-publications.org/ims/support>. For those who do not wish to forward a manuscript electronically, regular mail submission will continue to be accepted. Following submission, the author will receive confirmation via email that the submitted file has been successfully posted and has entered the review process. The author will again be notified after an editorial decision has been made. If the paper is accepted for publication, further instructions for completion of the publication process will be sent.

Experience with early *Statistical Science* submissions will be used to make alterations and refinements to the central system, as needed.

JSTOR Search News



JSTOR is pleased to announce that their new search engine and search interface are now available at <http://www.jstor.org/>. Users now have the ability to conduct faster searches and to search all disciplines at once without having to select each discipline individually. Other new features you will notice when using JSTOR include:

- * *Basic Search*: search all content in the archive (articles, reviews, etc.); use Boolean operators AND, OR, and NOT (words are 'AND-ed' together by default).
- * *Advanced and Expert Search*: limit searches by field, content type, discipline and journal title, and date range.

To learn more, please visit <http://www.jstor.org/help/search.html>

Ariana Souzis, JSTOR's Communications and Outreach Specialist, said, "Comments about the new search engine that we received have been extremely helpful to us, and we thank those who took the time in December to review it."

JSTOR plans to continue improving its search capabilities, and to release additional features and enhancements. Please send any feedback or requests for additional functionality and improvements you would like to see to pr@jstor.org

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Annual Survey 04: First Report

Nicole Lazar writes:

The Annual Survey of the Mathematical Sciences is directed by a joint committee of the AMS, ASA, IMS and MAA. The 2004 Annual Survey represents the forty-eighth in an annual series begun in 1957 by the American Mathematical Society. The 2004 Annual Survey First Report has been published in the Notices of the American Mathematical Society. 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 1041 new doctoral recipients in the Mathematical Sciences from US universities in 2003-04, by departments responding in time for the first report. Statistics and Biostatistics doctorates continue to form the largest group, with 318 (31%). The next largest group is Algebra and Number Theory, with 144 new PhDs.

In this summary, we look at some of the differences between the Statistics/Biostatistics Survey Group and the rest of the Mathematical Sciences.

441, or 42%, of the total new recipients in all Survey Groups⁽¹⁾ combined are US citizens. This represents the lowest percentage of US citizens observed in the last nine years. Among Statistics and Biostatistics doctorates, only 33% are US citizens.

Of the 1041, 315 (31%) are female, up slightly from last year. 40% of the new doctoral recipients in Statistics and Biostatistics, on the other hand, are female.

Employment figures for the new doctoral recipients continue to be good. Of the 914 in all Survey Groups combined with known employment status, 5.7% are unemployed, up only slightly from Fall 2003. Only 3.2% of the Statistics/Biostatistics group are unemployed, compared to 6.5% for the rest of the Survey Groups. The number of new PhDs employed in US academic positions is 614, a nine-year high. This seems to be due mainly to increases in PhD-granting institutions. The Statistics/Biostatistics group, not unnaturally, finds more jobs in industry and government, and fewer in academia, than the other Survey Groups in the Mathematical Sciences. 24% of new PhDs hired by Statistics or Biostatistics departments were female, a precipitous drop from last year's 49%, and the lowest percentage of female hires reported for this group since 1998-1999.

Salaries for academic Biostatisticians are higher than those for Statisticians. However, both groups compare favorably to the rest of the Mathematical Sciences.

It is also worth noting that the response rate for Statistics/Biostatistics/Biometrics departments ("Group IV" in the Annual Survey) is much lower than in the other groups. It's not clear why this is the case, nor how it affects the results for this group.



The Distinguished Alum Award at Harvard School of Public Health

The Department of Biostatistics at the Harvard School of Public Health named **Stuart Baker**, of the National Cancer Institute, the first recipient of the 2004 Distinguished Alum Award. Dr. Stuart delivered a lecture on June 2 at Harvard University.

Each year, the Distinguished Alum Award is awarded to an individual in government, industry, or academia, who by virtue of applications to support of research, methodology and theory, significant organizational responsibility, and teaching has impacted the theory and practice of statistical science. The overall career of the individual is considered with an emphasis on how the nominee has used their experience to bring out the best in life with research and academics. The award recipient will be invited to deliver lecture on their career and life beyond the Department at the Harvard School of Public Health, for the primary benefit of our students. The recipient will also be presented with a plaque.

Nominations for the award, to be given in June 2005, should be sent to:

*Distinguished Award Committee,
Dept. of Biostatistics,
Harvard School of Public Health,
655 Huntington Ave.,
Boston, MA 02115.*

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

The deadline for submission of nominations is **April 15, 2005**.

(1) Survey group definitions can be found at

http://www.ams.org/employment/groups_des.html

Sri Lankan Conference faces tsunami

Nitis Mukhopadhyay was the Co-Chair of the Organizing Committee for the *International Sri Lankan Statistical Conference: Visions of Futuristic Methodologies*, December 28–30, 2004. He arrived in Kandy the day before the tsunami hit. The conference went on as planned, in the midst of raw emotions: The conference venue was the modern Postgraduate Institute of Science (PGIS) in the middle of the beautiful lush green campus of the University of Peradeniya in Kandy. Sponsors included the University of Connecticut Dept of Statistics; the School of Mathematical and Geospatial Sciences at RMIT University, Melbourne, Australia; Department of Statistics and Computer Science at the University of Peradeniya; PGIS; Indian Association for Productivity Quality and Reliability, Calcutta; and the Statistical Society of Canada.

The foreign and Sri Lankan delegates started arriving on location around December 25, some fresh from vacationing in the coastal areas and islands. At the time, the members of the international and local organizing committees were busy finalizing last minute details. The air became more festive by the hour: the evening of December 25 was gorgeous and spirits were high as everyone greeted arriving colleagues. This was Sri Lanka's biggest ever statistical conference.

Then the unimaginable happened: the tsunami hit the Sri Lankan coast, and other countries in the region, in the small hours of December 26. At first it was impossible to take in the destruction and the toll on human lives. Everyone was engulfed by a sense of disbelief and helplessness.

The conference organizers however exhibited courage, determined to go ahead with the international forum as planned. Bravo to all the organizers, especially to Professor Lakshman Dissanayake, PGIS

Director, and his dedicated group of local committees that included many faculty members, students and staff.

The conference began as scheduled on December 28 by lighting the traditional oil lamp with Sri Lankan drum and national anthem, in the presence of more than 170 delegates. The opening ceremony was emotional, but at the same time, the human spirit inside the auditorium wanted to soar high too. After observing a minute of solemn silence to commemorate the lives lost to the sea, all the delegates quickly moved the program forward.

The chief guest, Hon Professor Tissa Vitharana, the Minister of Science and Technology of Sri Lanka, delivered the keynote address challenging statisticians to help very poor countries like Sri Lanka to advance quickly in science, education, health and information technology. His presence was a morale booster especially in view of his assignment, delegated by the President, to head Sri Lanka's urgent relief efforts in the face of this natural catastrophe. The Chancellor of the University of Peradeniya and other special guests also welcomed those gathered.

Professor Kanti V Mardia (University of Leeds, UK) gave the first plenary presentation *Past Revolutions and Future Prospects in Science and Statistics* which set the tone for this conference's theme. Professor Albrecht Irle (University of Kiel, Germany) gave the second plenary presentation in the interface of mathematics, statistics and finance, a fast growing field in its own right.

The participants, from 16 countries, attended 30 invited paper sessions on varied topics such as adaptive and algorithmic

approaches, applied time series, Bayesian methodology, biological applications, biostatistics, clinical trials, computational statistics, corporate decision making, data mining, data warehouse and analysis, estimation, financial econometrics, hypothesis testing, likelihood based inference, modeling on-line auction data, operations statistics, option pricing models, regression techniques, reliability analysis, sampling designs, sequential methodology, statistical methods, statistics in health science and environment, and statistics in sport.

The refereed conference proceedings were handed out at the conference: *Proceedings of the International Sri Lankan Statistical Conference: Visions of Futuristic Methodologies*; Basil M. de Silva and Nitis Mukhopadhyay, eds; ISBN 0 86459 339 2.

One of the conference's goals was to build bridges of communication to share cutting edge ideas and methodologies with the younger generation in Sri Lanka. The occasion gave everyone a wonderful opportunity to meet and interact with many local graduate students and younger colleagues. Many students enthusiastically asked if this kind of international conference could be held again next year! They were definitely energized and so were the foreign delegates.

The Sri Lankan hospitality will remain in the participants' memories for a very long time. We will remember the courage of our Sri Lankan colleagues and others in the face of unimaginable casualties and devastation. The ultimate hope is that the friendship and collegiality nurtured among scientists from Sri Lanka and other countries during this conference will continue to grow into better and more elaborate scientific exchanges in the future. In a global environment, no one can really afford to leave anyone behind. Their legacy surely is ours too.



A lamp was lit and silence observed at the Opening Ceremony

Terence's Stuff: Books Worth Reading

Terry Speed continues his regular column with a run-down of his favourite books, starting with a fellow named Feller. Read on...



What do you look for in a book? I like it to have something old, something new, not too much borrowed, and to be mostly true. I need to both see and like a book's treatment of something I think I know well, before I am inclined to trust it on other things. I also like to see lots I don't know; reading a whole book to discover the little islands of novelty amid oceans of familiarity does not appeal. I want my authors to stick to the topics they know well, for this gives me a better chance of getting an original viewpoint. I prefer to read books by authors who really know their field, scientists who I can trust. To these minimal prerequisites, I'd add readability, a good index, and several other things like this.

What books do I think worth reading? My all time favourites are the five editions by William Feller of *Introduction to Probability Theory and its Applications*, Volume 1, first edition 1950, second 1957, and third 1968, and Volume 2, first edition 1966, second 1971.

Why were Feller's books so great? I wasn't reading probability books in 1950 when Volume 1 hit the bookstores, but it must have been quite an event. It had core chapters (1, 5, 6 and 9), most of which would have been accessible to any mathematics or statistics undergraduate, while there were starred sections and starred chapters to warn the beginner and challenge the eager. It presented clear and attractive, even exciting developments of topics which are often drearily treated in

most books even now (combinatorics; the relationships between the hypergeometric, binomial, Poisson and normal; generating functions). Who do you think did most to publicize the birthdays problem, or the problem of estimating the number of fish in a lake (capture-recapture)? Feller. He also gave lucid expositions of topics not taught at the introductory level (random walks, Markov chains). And for the initiated the book expounded previously unpublished or only recently published research (including recurrent events).

The book's most striking feature was the vast number of applications from the literature, to areas like biology, including genetics (influential in my case), queuing theory, physics, gambling, quality control, and much more. The exercises were superb (answers at the back), and later editions had problems and complements of a theoretical character, which were really a guided tour into a corner of the research literature. Most importantly of all, of course, it was beautifully written, there were lots of footnotes and an excellent index. This was a scholarly book that was also introductory.

Another thing that greatly appealed to me—perhaps it was the fact that I was reading it in the 1960s—the author had a clear point of view. You couldn't fail to detect the fact that Feller didn't believe in ESP, believing that much of the evidence for it was based on poor probability experiments, or that the notion of contagion was “vague and misleading”. The reader was always conscious that an important aspect of probability theory was to help him or her to be precise and correct, no matter how superficially contradictory or paradoxical a formulation might initially appear. Probability has a theoretical and an intuitive component,

and Feller's took it upon himself to remove any dissonance between the two.

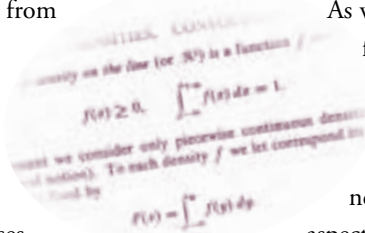
Volume 1 was restricted to discrete sample spaces, and after what seemed to be a very long gap of 16 years, Volume 2 appeared, dealing with continuous sample spaces. This was a big event in my life, and I can still remember heading for the bookstore after I heard it had come in. I can't begin to explain how much I learned from Volume 2, and I don't have the space here to tell you much of what was in it. The very first chapter, concerning the exponential and uniform distributions, was a stunner.

As with Volume 1, there were a few core chapters, and the book could be entered and enjoyed at many levels.

We were treated to many new insights into familiar aspects of our subject. Issues of relevance to statistics—the normal, F and t distributions—were presented in a new and elegant ways. I fell in love with the random walk material, including accessible expositions of much recent research such as Spitzer's fluctuation theory and the Wiener-Hopf equation. I also liked the way Feller used probability to illuminate and simplify aspects of classical and functional analysis. These influenced my research for quite a while to come. My copy of the second edition of Volume 2 was bought to celebrate a long-forgotten extension of a result in chapter XVIII.

Feller is not read much these days, any more than students of my day would read Uspensky or Poincaré. But maybe just one of my younger readers will be moved to try his books after reading this. If so, you won't regret it.

Next month I'll tell you about the other books that sit on my very short shelf of all time favourites.



MCMSki



The joint IMS-ISBA meeting in the Italian Alps, "MCMSki", in January was clearly a success. The snow was crisp, the après-ski was fun. And there was also some work done. We'll report more in the next issue, but for now, enjoy the views!



Photos clockwise from top left:

Bormio from the ski slopes;

Wolfgang Polasek, Jun Liu, and an unidentified skier at the end of a race;

The MCMSki band (a.k.a. "Imsisba" and "The Markov Chain Gang"), who provided some of the evening entertainment, seen here clearly full of the joys of statistics [l-r: Brad Carlin, Greg Ridgeway, Andrew Nobel, Mark Glickman]

The Myrto Lefkopoulou Distinguished Lecture at Harvard School of Public Health

The annual Myrto Lefkopoulou Distinguished Lecture was initiated in 1993 in memory of Myrto Lefkopoulou, a beloved former faculty member and student in the Department of Biostatistics, who died of cancer in 1992 at the age of 34 after a courageous two-year battle. Each year the Myrto Lefkopoulou Lectureship is awarded to a promising biostatistical scientist who has made contributions to either collaborative or methodologic research in the applications of statistical methods to biology or medicine and/or excellence in the teaching of biostatistics. Ordinarily, the lectureship is given to an individual within 15 years of receiving an earned doctorate. In the case of nominees without an earned doctorate, the Committee will make a relative adjustment of time in keeping with the spirit of the selection process. The lecture is targeted at a general scientific audience and is the first Department colloquium of each academic year. The lectureship includes travel to Boston, a reception following the lecture, and an honorarium of \$1000.

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

Nominations for next year's lectureship should be sent to *Myrto Lefkopoulou Lecture Committee, Department of Biostatistics, Harvard School of Public Health, 655 Huntington Avenue, Boston, MA 02115*. Nominations should include a letter of nomination and a C.V. The deadline for submission of nominations is **March 31, 2005**.

Norman Lloyd Johnson

1917–2004



NORMAN LLOYD JOHNSON, Alumni Distinguished Professor Emeritus of Statistics at the University of North Carolina at Chapel Hill, died on November 18, 2004. With his death we lost the last direct link between the founder of the British Statistical School in the early days of the twentieth century (Karl Pearson) and

the maturest statistical sciences of the late twentieth century.

Norman Lloyd Johnson was born on January 9, 1917, in Ilford, UK. He attended the County High School, Ilford, then University College London, where he gained a BSc degree in Mathematics and Statistics and a MSc degree in Statistics in the period 1934–38. He was appointed Assistant Lecturer in Statistics in 1938, a post to which he returned in 1945 after serving with the British Ordnance Board during World War II, becoming Lecturer in 1946 and Reader in 1956, with breaks in 1952–53 (University of North Carolina [UNC]) and 1960–61 (Case Institute of Technology), until he joined UNC in 1968. During this period he obtained his PhD (1948) and DSc (1962) degrees in statistics and Fellowship in the Institute of Actuaries (1949), and wrote, jointly with H Tetley, one of the earliest statistical textbooks in England, the two-volume *Statistics: An Intermediate Text Book* (1949). In collaboration with F C Leone, he wrote *Statistics and Experimental Design in Engineering and the Physical Sciences* (1964).

He was an Associate Editor of *Annals of Mathematical Statistics* (1958–61), *Biometrika* (1962–65), and *Technometrics* (1967–71). In the seventies, he served as the Editor in Chief of the *Journal of the American Statistical Association*.

During his lengthy tenure at UNC Chapel Hill, interspersed with brief visits to the UK, Italy, Australia, Poland, China, and other countries, Norman Johnson published over 100 papers and co-authored, co-edited, and translated over 20 books.

Among his most prominent contributions are his first publications in 1939 and 1940 (aged 22) with B L Welch, on chi-squared and noncentral t distributions; his groundbreaking papers on translation systems (1945, 1950), currently known as Johnson's transformations; and the joint work with F N David (the first prominent female statistician) on various aspects of the properties of procedures when the standard ANOVA assumptions are not satisfied (robustness) and problems related to order statistics. His contributions to sequential analysis and cumulative sum control charts in the early sixties were warmly welcomed. During this period he also made substantial contributions to sample censoring procedures

and to problems related to finite population. From the mid-sixties until 1972, Johnson was immersed in the compilation which became the four pioneering books on *Distributions in Statistics*, with S Kotz, a natural continuation of the famous Elderton and Johnson volume (1969), *Systems of Frequency Curves*. This work was carried out simultaneously with his research on various types and aspects of statistical distributions (including quadratic forms).

In the next decade his books on *Urn Models and Their Application*, with S Kotz (1977), and on *Survival Methods and Data Analysis*, with his wife Professor R C Elandt-Johnson (1980), received special attention, along with the second edition of the Johnson and Leone two-volume text (also translated into Russian).

The eighties and early nineties are marked by Johnson's most strenuous activities, jointly with S Kotz and C B Read, related to editorship of the 13-volume *Encyclopedia of Statistical Sciences*, which is viewed as one of the most influential publications in statistics in the 20th century. Among other favorable notices, the encyclopedia was acclaimed in *JASA* in a detailed review jointly prepared and signed by the entire Book Review Editorial Board (including an author of this obituary), under the leadership of J Tanur. This monumental work was accompanied by the revision (and extension) of the 4-volume compendium on *Statistical Distributions*, now a 5-volume set. Johnson also co-edited in the late nineties, with S Kotz, a three-volume collection, *Breakthroughs in Statistics*, and a volume of essays on *Leading Personalities in Statistical Sciences: From the 17th Century to the Present*.

One of his last research topics (in the late nineties and early years of the 21st century) were intensive studies in quality control resulting in 2 books (with S Kotz and X Wu) and a comprehensive survey paper in 2002.

Among Johnson's prominent students are such luminaries as DJ Bartholomew, M Ghosh, J R Kettenring, to mention a few who provided contributions to the volume in his honor on the occasion of his 65th birthday in 1982, edited by P K Sen.

During his 60 years of dedicated and brilliant toil in the fields of statistics, Professor Johnson was recognized and honored on a number of occasions for his outstanding contributions, including the Shewhart Medal, given by the American Society for Quality Control, and the Wilks Memorial Award, given by the ASA.

Norman Johnson was kind, sensitive, gentle, charitable, and broadly educated—a person who together with his beloved wife Regina was alert to the modern world's injustices and tried to contribute towards improvements in the lives of the less fortunate. A devoted friend, he was always available in times of need.

He will be sorely missed by his colleagues and students and, indeed, those who met him only on the printed page.

*Guillermina Jasso (New York University) and
Samuel Kotz (George Washington University)*

Yehuda Vardi

1946–2005

YEHUDA VARDI, a well-known statistician and developer of key algorithms widely used now for emission tomographic PET and SPECT scanners, died of a sudden heart attack on January 17, at a folk dancing event. He was 58.

Emission tomography is a sister technology to CAT scanning and MRI. It is used for clinical diagnosis, as well as understanding brain functions. Chemicals such as radioactive carbon are ingested with sugar or other nutrients. The sugar moves under normal metabolic action to the part of the brain where work is being done on a given mental task. Then, the emitted radioactivity is detected by a bank of sensors surrounding the head. Before Dr Vardi's pioneering work, algorithms similar to those for CAT or MRI were used, but such methods were unable to deal effectively with the statistical limitations inherent to emission tomography (lower signal counts and hence increased statistical noise). Vardi showed how the maximum likelihood estimation algorithms could be effectively used to produce more likely reconstructions of the emitter density and hence to better understand body chemistry. Every major research hospital uses an algorithm for emission tomography influenced by Dr Vardi's work.



Relaxing in Niederhorn, Switzerland

Yehuda Vardi was born on October 31, 1946, in Haifa, Israel. He earned a BS in Mathematics from Hebrew University, Jerusalem, Israel, an MS in Operations Research from the Technion, Israel Institute of Technology, and a PhD under Jack Kiefer at Cornell University in 1977.

Vardi spent 10 years (1977–87) as a Scientist at AT&T's Bell Laboratories in Murray Hill, New Jersey. He joined the Statistics Department at Rutgers University as a Professor in 1987, and became chairperson of the department in 1996, a position he continued to hold until his death. As a dynamic chairperson, he made profound contributions to the department. His vision and warm personality attracted several prominent scholars and bright young

statisticians to join the department. He served as Editor of both *Statistical Science* and the *Journal of The American Statistical Association*, and on editorial boards of *Statistica Sinica* and the *International Journal of Imaging Systems and Technology*.

He was a fellow of the Institute of Mathematical Statistics and International Statistical Institute. His research was supported by grants from National Science Foundation and many other government agencies.

As one of the most influential applied statisticians of our time, Yehuda Vardi's research focused on developing useful statistical theory and methods for real life problems. In addition to his work on medical imaging, he coined the term "network tomography" in his pioneering paper on the problem of estimating source-destination traffic based on counts in individual links or "road sections" of a network. This problem has since mushroomed into a fully fledged field of active research. His work on unbiased estimation based on biased data made fundamental contributions in the field, and has been recently rediscovered as a powerful general tool for the popular Markov chain Monte Carlo method. He has explored many other areas of statistics, including data depth and positive linear inverse problems with applications in signal recovery. Through his seminal contributions, Vardi played a leading role in advancing the scientific fields in question, while enriching statistics with important applications.

Cun-Hui Zhang (Rutgers University)

Larry Shepp (Rutgers University)

IMS Council Members 2004–05:

Alan Karr, Steve Marron, Per Mykland, David W Scott, Jane-Ling Wang, Richard Gill, Hans Künsch, Christian Robert, Ruth Williams, Erwin Bolthausen, Tom DiCiccio, Nancy Flournoy, Xuming He, Susan Holmes and Michael Steele.

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

30th Conference on Stochastic Processes and their Applications

June 26 – July 1, 2005

University of California, Santa Barbara USA

Program and Local Chair: Raya Feldman

University of California, Santa Barbara

<http://www.pstat.ucsb.edu/projects/spa05>

INVITED SPEAKERS

BERNOULLI SOCIETY

Jean Bertoin (Paris VI), Lévy Lecture

Percy Deift (Courant)

Darrell Duffie (Stanford)

Janos Engländer (UC Santa Barbara)

Nina Gantert (Karlsruhe)

Peter Glynn (Stanford)

Claudio Landim (IMPA)

Vlada Limic (UBC Vancouver)

Leonid Mytnik (Technion)

Walter Schachermayer (Vienna)

Jonathan Taylor (Stanford)

Bálint Tóth (Budapest)

Tandy Warnow (UT Austin)

Nobuo Yoshida (Kyoto)

INSTITUTE OF MATHEMATICAL STATISTICS

Jean-François Le Gall (Paris VI), Medallion Lecture

Alain-Sol Sznitman (ETH Zurich), Medallion Lecture

SPONSORS

Bernoulli Society for Mathematical Statistics and Probability

Institute of Mathematical Statistics (Co-Sponsor)

The USA National Science Foundation

The USA Army Research Office

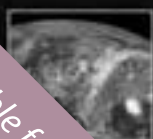
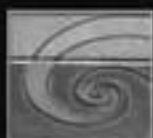
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College of Letters and Science (UC Santa Barbara)

Department of Statistics and Applied Probability (UC Santa Barbara)

Department of Mathematics (UC Santa Barbara)

Department of Economics (UC Santa Barbara)



Travel support available for junior researchers
and members of underrepresented groups:
see announcement on page 15

Meet the Members

Three more members tell us some interesting things:

Victor Pérez-Abreu



Researcher, Research Center for Mathematics, CIMAT, Guanajuato, Mexico
Member of IMS for 25 years

If you could have dinner with someone famous, living or deceased, who would it be?

Babe Ruth

What is the last movie you saw?

The Incredibles

What did you do last Saturday?

Had a very good lunch at an Italian Restaurant

You have unlimited funds for a one week dream vacation, where would you go?

Cuba

Tell us something that others might find surprising about you?

I love dancing!

Jo Hardin

Assistant Professor,
Pomona College
Member of IMS
for 7 years



If you could have dinner with someone famous, living or deceased, who would it be?

Florence Nightingale

What is the last book you read or movie you saw?

The Kite Runner by Khaled Hosseini.

What did you do last Saturday?

I went for a long run in the mountains with a good friend from college.

You have unlimited funds for a one week dream vacation, where would you go?

Anywhere sunny and warm!

Tell us something that others might find surprising about you?

I breed desert tortoises.

Galin Jones

Assistant Professor
University of Minnesota
Member of IMS for "maybe 4" years

If you could have dinner with someone famous, living or deceased, who would it be?
Bill James. As a pretty serious baseball fan he helped change the way I think about the game...

What is the last book you read or movie you saw?

Book: *Sin Killer* by Larry McMurtry;
movie: *Cold Mountain*

What did you do last Saturday?

I went downhill skiing in the morning and had friends over for dinner in the evening.

You have unlimited funds for a one week dream vacation, where would you go?

There are so many places I want to go... but if I have to pick just one it would be India.

Tell us something that others might find surprising about you?

Even though I grew up in Florida I really like living in Minnesota!

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Photo: Jeff D Pickett



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Regional Conference Series in Probability and Statistics

Volume 8:

Analysis of Longitudinal and Cluster Correlated Data

by Nan Laird, Harvard University

The analysis of data with outcomes measured repeatedly on each subject has experienced several transforming developments in the last twenty years. This monograph presents a unified treatment of modern methods for longitudinal and/or correlated data that have developed during this period. The basic approach Dr Laird takes to modeling longitudinal data is to extend familiar univariate regression models to multivariate or correlated outcomes. The author deals with linear models for measured data and generalized linear models for binary and count data. She shows how methods can accommodate missing outcomes and/or unbalanced designs. Both likelihood and moment methods of estimation are covered, as are random effects approaches to data modeling and parameter estimation.

The monograph assumes that the reader has a solid foundation in statistical inference, linear and generalized linear regression models, and a basic knowledge of multivariate methods. It is appropriate for second year doctoral students or postdoctoral fellows in Statistics/Biostatistics as well as researchers or faculty interested in learning about the field.

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Tel: (301) 530-7029 Fax: (301) 571-5728 Email: staff@imstat.org

Letter to the Editor

Letters on any issue of interest to IMS members are welcome. Email your letters to the Editor at bulletin@imstat.org.

Some small print: the Editor's decision is final; we may edit your letter before publication; publication does not necessarily imply endorsement in any way of the opinions expressed therein, and the *IMS Bulletin* and its publisher do not accept any responsibility for them.

ArXiv at Time of Submission: a proposal

Dear Editor

This is an open letter to the Editors of the leading journals in the field of Statistics and to the Presidents of our societies. I ask that we consider adopting a new system that will greatly enhance the dissemination of knowledge in our field.

The idea, which I call "Archive at Time of Submission" (ATS), is to post all journal submissions, as soon as they are submitted, to the electronic archive <http://arXiv.org/>. This idea builds on the efforts of Professor Jim Pitman and his "Strategy for open access to society publications" (See <http://stat-www.berkeley.edu/users/pitman/strategy.html> and <http://imstat.org/publications/arxiv.html>).

Thanks to the efforts of Jim Pitman, the arXiv administration has already starting posting the accepted papers from some IMS journals to arXiv; see <http://arXiv.org/list/math.ST/recent>. (It is also possible that arXiv will create a Statistics archive comparable to the existing archives for Computer Science and Quantitative Biology.)

ATS has several advantages:

- (1) All papers are available to everyone immediately, greatly enhancing the dissemination of knowledge.
- (2) It is a service to authors since it provides a priority "time-stamp" as soon as the paper is submitted.
- (3) It is a service to readers since otherwise we only have access to accepted papers and, even then, only after languishing in the journal queue for a long time.
- (4) It does not eliminate the role of journals. If/when a paper is accepted in a journal, that fact would be annotated on the archived version. (This feature is already supported in the collaboration with IMS.)
- (5) It unifies a process that already exists. Currently, many authors post their papers on their own websites. The result is that there already exists an ATS system but it is ad-hoc, non-uniform, and inconvenient. The proposed system will systemize what is already happening in a convenient, organized fashion.
- (5) It will enhance the use of our ideas in other fields. How many of us bemoan the fact the people in other fields are reinventing the wheel? Making all our papers available in the proposed way will make it easier for non-statisticians to be aware of our ideas.

Questions and Answers:

Will this entail copyright problems? No: see <http://imstat.org/publications/arxiv.html> for more on this point.

How will it work? The Editorial assistants for our journals will

submit the papers to arXiv.org as they receive them.

Why not let authors do it themselves? Because then it will happen slowly and haphazardly. ATS is a fast, painless way to jump into a new system and to do so in a uniform way that ensures complete archiving.

Will authors be forced to have their submissions be posted to the archive? No. The default will be that the paper is submitted to the archive. Authors can ask that their paper not be put on the archive.

I encourage our societies to give serious consideration to the "Archive at Time of Submission" idea.

Sincerely,

Larry Wasserman

Carnegie Mellon University

Hans Künsch, Chair of the IMS Publications Committee, responds:

The IMS Publications Committee has discussed Larry Wasserman's letter on Archiving at Time of Submission. We agree that it is highly desirable that not only postprints, but also preprints are available to the whole scientific community via arXiv as soon as they are submitted. This would give additional support to the principle that scientific information should be freely available to the whole community.

However, we think that authors have a right to keep a submission confidential until it is accepted, and compulsory archiving at time of submission might deter authors from submitting to IMS journals. Thus we recommend that journal editors in their acknowledgment of receipt letter add a paragraph indicating that IMS strongly supports arXiving at time of submission and giving instructions on how to do this. The decision whether or not to post the paper on arXiv would be up to the authors, and unless they opt for it, it will not happen.

On the technical side, arXiving submitted papers (of authors who agree to do so) would be a too heavy burden for the editorial assistants of our journals. IMS has however developed recently an arXiv compliant LaTeX template that is/will be soon available at the IMS website. We strongly urge authors to use this template since it greatly facilitates posting on arXiv. IMS is also putting into place a central editorial system [see article on page 3]. Using this system, the typesetters of IMS who do the posting of accepted articles could provide the same service for submitted papers. There are however costs involved in this, and the Executive Committee and the Council need to consider the financial issue before making a decision.

IMS Meetings around the world

Minneapolis: Joint Statistical Meetings 2005

IMS Co-sponsored Meeting:

2005 Joint Statistical Meetings (including the 68th IMS Annual Meeting)

August 7–11, 2005

Minneapolis Convention Center, Minneapolis, MN

<http://www.amstat.org/meetings/jsm/2005>

Late-Breaking Sessions

Late-breaking sessions were created to circumvent the problem of omitting important, newly emerging topics. JSM programs now include up to two late-breaking sessions, defined as a session that covers one or more technical, scientific, or policy-related topics that have arisen in the one-year period prior to the JSM in which the session is intended to appear. Proposals will be judged on their statistical and scientific quality, novelty, and timeliness of material, potential audience appeal, and completeness. Proposals for late-breaking sessions for JSM 2005 should be submitted to the Program Chair **between March 15 and April 29, 2005**, via email to Daniel Heitjan (dheitjan@cceb.upenn.edu), copied to General Methodology co-chairs John E Kolassa (kolassa@stat.rutgers.edu) and Michael R Elliott (melliott@cceb.upenn.edu).

Full details from the JSM website, <http://www.amstat.org/meetings/jsm/2005>



Key Dates from www.amstat.org/meetings

- **March 1:** Hotel reservations available
- **April 1:** Preliminary technical program online
- **May 2:** Registration materials online
- **May 31:** Preliminary PDF program online
- **June 1:** Draft manuscripts due to session chairs
- **June 30:** Early bird registration ends
- **July 1–21:** Advance registration (increased fees)
- **July 12:** Final PDF program available
- **July 14:** Hotel reservations deadline
- **August 6–11:** On-site registration

IMS SESSIONS:

IMS Program Chair: David Madigan
Wald Lectures: **Srinivasa Varadhan**
(Courant Institute, New York University).

Neyman Lecture: **David Brillinger**
(University of California at Berkeley)

IMS Medallion lecturers: **Andrew Barron**
(Yale University), **Oleg Lepski** (Université de Provence), **Art Owen** (Stanford University), and **Adrian Raftery** (University of Washington).



There's lots to see and do in Minneapolis. Visit the Science Museum [above], cycle in the parks [right], see some marine life [below], or a sculpture two [left].



IMS Co-Sponsored Meeting,
2005 Conference on Stochastic Processes and their Applications
June 26 - July 1, 2005; Santa Barbara, California

UPDATED

IMS Rep: Raya Feldman.

For more information please check the conference website at <http://www.pstat.ucsb.edu/projects/spao5/>

SPA'05 will be a major international meeting, covering the most exciting recent developments in probability. It will be held on the sunny seaside campus of the University of California at Santa Barbara. Opening with a reception on Sunday June 26th, the program will include three Special Invited Lectures given by leading researchers, 13 invited talks, and numerous contributed talks.

A mid-conference tour and conference dinner will encourage informal interactions between participants. Some evenings are left free for the participants to explore the beautiful town of Santa Barbara or swim in the Pacific Ocean at nearby Goleta beach.

The meeting is held under the auspices of the Bernoulli Society for Mathematical Statistics and Probability and co-sponsored by the IMS.

The program will feature a Lévy Lecture delivered by **Jean Bertoin** (Paris VI); two IMS Medallion Lectures presented by **Jean-François Le Gall** (Paris VI) and **Alain-Sol Sznitman** (ETH Zurich); and invited lectures by **Percy Deift** (Courant), **Darrell Duffie** (Stanford), **Janos Engländer** (UC Santa Barbara), **Nina Gantert** (Karlsruhe), **Peter Glynn** (Stanford), **Claudio Landim** (IMPA), **Vlada Limic** (Vancouver), **Leonid Mytnik** (Technion), **Walter Schachermayer** (Vienna), **Jonathan Taylor** (Stanford), **Bálint Tóth** (Budapest), **Tandy Warnow** (U.T. Austin), and **Nobuo Yoshida** (Kyoto).

Participants who plan to deliver a contributed paper, should submit an abstract to the conference website by **April 9, 2005**. Online registration is now open; please notice fee increases after May 10, 2005. Early registration is highly advisable because summer is a tourist season in Santa Barbara and hotels get full quickly.

We especially welcome submissions from new researchers and graduate students. Funding is available: see announcement, right.

A satellite one-day workshop on *Stochastic Models in Molecular and System Biology* organized by Guillaume Bonnet will take place at UCSB on Sunday, June 26, 2005.

CALL FOR APPLICATIONS:

SPA'05 Travel Support Available

Funding is available from the US National Science Foundation and the US Army Research Office, for a block travel grant to help defray the travel costs of junior researchers and members of

underrepresented groups from the United States institutions participating in the 30th Conference on Stochastic Processes and their Applications in Santa Barbara, California (see main announcement, left).

Junior researchers are those who received a PhD in 1999 or later, or who are advanced graduate students working on PhD dissertations. All applicants must be affiliated with a US institution and residing in the United States (though not necessarily US citizens). Following standard NSF restrictions concerning travel, recipients of travel grant funds for airfare must travel on US carriers. All grant recipients must provide receipts for expenses to be reimbursed, whether for airfare or subsistence.

Applications received by **April 10, 2005**, will receive full consideration. Applications

will be reviewed by a Local Organizing Committee for the Conferences on Stochastic Processes. Applicants will be notified of awards on or before April 20, 2005. Each application must include the following:

- i) A two page vita including education (all applicants except current PhD students should include PhD year, institution and dissertation title), current position, current research interests, complete list of publications. Advanced PhD student applicants should include a letter of recommendation from their dissertation advisor (can be just a paragraph);
- ii) Expected level of participation at the conference, e.g. will give a talk (include title and abstract);
- iii) Complete mailing address and e-mail address;
- iv) Amount of support requested (with break-down of the expected costs into categories) and any partial support available from other sources;
- v) Any federal research or other grants held;
- vi) A statement that the applicant meets the eligibility criteria above.

Those eligible who wish to be considered for travel support should send their applications, *preferably by e-mail*, to Professor Raya Feldman, SPA'05 Local Organizing Committee, at spa-travel@pstat.ucsb.edu or by mail to Dept of Statistics and Applied Probability, University of California, Santa Barbara, CA 93106.



New Directions in Probability Theory 2005

IMS co-sponsored meeting

August 5-6, 2005, IMA, University of Minnesota, Minneapolis, MN

<http://www.imstat.org/meetings/NDPT05/>

The meeting *New Directions in Probability Theory* will take place on August 5-6, 2005. It is co-sponsored by IMS and the Institute for Mathematics and its Applications (IMA).

The meeting immediately precedes the Joint Statistical Meetings of August 7-11 (co-sponsored by ASA, IMS, ENAR, WNAR). It will take place on Friday/Saturday and will be held at the IMA at the University of Minnesota.

The meeting consists of five sessions of invited lectures, a poster session of contributed papers, and four one-hour lectures, of which three are IMS Medallion Lectures. It is intended for a general probability audience interested in recent developments in probability theory.

There will be no registration fee for the meeting. However, space is limited, and so early registration is recommended.

One-Hour Lectures:

Terry Lyons, Oxford University: *Rough paths: a top down description of controls*

Amir Dembo, Stanford University (IMS Medallion Lecture): *TBA*

Thomas Mountford, EPFL, Lausanne (IMS Medallion Lecture): *Hausdorff dimension of the boundaries of Brownian sheet bubbles*

Ofer Zeitouni, University of Minnesota (IMS Medallion Lecture): *Recent results and open problems concerning motion in random media*

Program & Local Organizer:

Maury Bramson, University of Minnesota
bramson@math.umn.edu

Program:

Flows and Random Media

Organizer: **Mike Cranston**, University of California, Irvine and University of Rochester

Speakers:

Timo Seppalainen, University of Wisconsin: *Spatial inhomogeneities and large scale behavior of the asymmetric exclusion process*

Peter Mueller, Goettingen University: *Spectral asymptotics of Laplacians on bond-percolation graphs*

Ken Alexander, USC: *Pinning of polymers and interfaces by random potentials*

Probability, Combinatorics, and Statistical Mechanics

Organizer: **Russell Lyons**, Indiana University

Speakers:

Richard Kenyon, University of British Columbia: *Simple random surfaces in Z^3*

Antal Jaraí, Carleton University: *Infinite volume limit of the Abelian sandpile model on Z^d*

Scott Sheffield, Courant Institute and IAS: *Tug of war and the infinity Laplacian*

Stochastic Integration

Organizer: **Terry Lyons**, Oxford University

Speakers:

Peter Friz, Cambridge University: *Some applications of rough path theory to stochastic analysis*

Anastasia Papavasiliou, Princeton University: *Applications of rough paths to speech recognition*

Zhongmin Qian, Oxford University: *Stochastic integrals for processes with long-time memory*

Stochastic Partial Differential Equations

Organizer: **Jonathan Mattingly**, Duke University

Speakers:

Martin Hairer, University of Warwick: *Stochastic modulation equations*

Nicolai Krylov, University of Minnesota: *On the foundation of the L_p -theory of SPDEs*

Jonathan Mattingly, Duke University: *Ergodicity of the Degenerately forced Stochastic Fluid Equations*

Random Walk in Random Environment

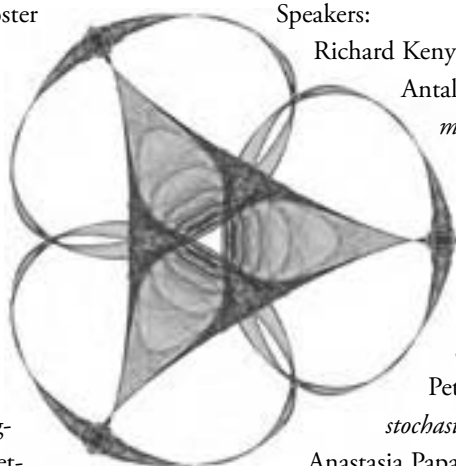
Organizer: **Ofer Zeitouni**, University of Minnesota

Speakers:

Nina Gantert, University of Karlsruhe: *Random walk in random scenery*

Vladas Sidoravicius, IMPA: *Aggregation type growth - conjectures and new results*

Martin Zerner, University of California, Davis: *On some self-interacting random walks in random environment*





IMS Co-sponsored Meeting:

2005 ENAR/IMS Spring Meeting

March 20–23, 2005, Austin, Texas

<http://www.enar.org/meetings.htm>

Program Chair: A John Bailer, Miami University

IMS members are invited to start next Spring near ENAR's southwestern edge, in the pleasant warmth and charm of Austin, Texas, at the 2005 Spring Biometrics Meeting. This meeting will be held from March 20–23, 2005 at the Hilton Austin. The preliminary

program is available for download from <http://www.enar.org/meetings.htm>

The theme “*Spanning the Breadth of Biometrics: From Ecosystems to Health Care Systems*” emphasizes that core concepts and methods both contribute to, and are enriched by, highly varied interdisciplinary science. An invited program including 40 invited sessions, one to be co-sponsored with IMS, has been

selected. Five additional IMS sessions, on topics picked by IMS Program Chair Runze Li to mesh with ENAR interests, make Austin's invited program the most extensive in ENAR's history.

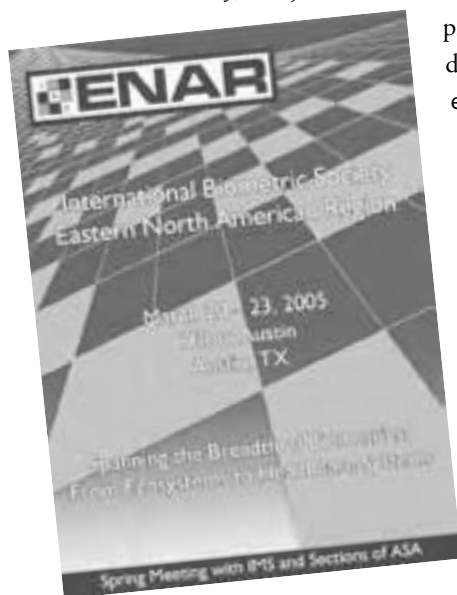
Theme sessions on wildfire data, natural resource estimation, precision agriculture, security biometrics, geoinformatics,

confidentiality in public-use data sets, cost-effectiveness

of health care, and psychometrics in biometrics, exemplify the extended scope of our activities. Other sessions will provide introductory presentations or surveys of mass spectrometry

proteomics, computational biology, multi-state survival models, and joint modeling of longitudinal and survival data. Multiple sessions in clinical trial design and analysis, genomic and proteomic data, epidemiologic methods, statistics of surveys and public policies, imaging, and environmetrics, and sessions highlighting recent research in mixtures, semiparametric inference, isotonic methods, high-dimensional data analysis, and non-Gaussian mixed models, provide a rich selection to which contributed sessions will add.

Continuing education opportunities include short courses addressing a host of topics including random forests, non-Gaussian correlated data, interim clinical trial monitoring, analysis of surrogate endpoints, up-and-down and other response adaptive designs, and DNA sequence analysis. Tutorials are also offered on a range of topics including quantile regression, gel electrophoresis proteomics, power/sample size analysis, and the analysis of messy data.





Now IMS co-sponsored meeting:

Frankfurter Stochastik-Tage / German Open Conference on Probability and Statistics

March 14–17, 2006

Goethe-University Frankfurt/Main, Germany

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

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

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

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

Now IMS co-sponsored meeting:

Sixth International Conference on Forensic Statistics

March 17–19, 2005

The Center for Law, Science, and Technology, Arizona State University, Tempe, Arizona

<http://icfs.law.asu.edu/>

Forensic statistics concerns the many and various applications of statistics and probability to legal matters. This conference will bring together forensic scientists, lawyers, judges, statisticians, and individuals from related disciplines to discuss the multiple uses of statistics in legislative, administrative and judicial proceedings.

Looking further ahead...

IMS Annual Meetings and Joint Statistical Meetings, where details are known, over the next few years.

2006

IMS Annual Meeting:

Rio de Janeiro, Brazil. Date TBC

JSMo6

August 6–10, 2006

Seattle Convention Center, Seattle, WA

IMS Program Chair: tba; IMS Local Chair: tba

2007

IMS Annual Meeting @ JSMo7

July 29 – August 2, 2007

Salt Palace Convention Center, Salt Lake City, Utah

2008

IMS Annual Meeting: venue TBC

JSMo8

August 3–7, 2008

Denver, Colorado

To be held at the Denver Convention Center

2009

IMS Annual Meeting @ JSMo9

August 2–6, 2009

Washington, DC

To be held at the Washington Convention Center

IMS Co-sponsored meeting:

2005 Seminar on

Stochastic Processes

Cornell University, Ithaca, NY

March 24–26, 2005

The 2005 Seminar on Stochastic Processes, co-sponsored by the IMS, will be held March 24–26, 2005 at Cornell University, Ithaca, NY.

There are five invited speakers:

Alison Etheridge, Oxford University; **Nina Gantert**, Universität Karlsruhe; **Alexander Holroyd**, University of British Columbia; **Jeremy Quastel**, University of Toronto and **Ofer Zeitouni**, University of Minnesota

As usual there will be plenty of time for short presentations and open problem sessions. We anticipate funding to help support graduate students, young researchers, and persons from traditionally underrepresented groups.

For more information, check the website www.math.cornell.edu/~lawler/ssp2005.html

See also the *Summer School on Probability announcement on page 23*.

IMS Co-sponsored Meeting:

Twelfth Annual Spring Research Conference (SRC) on Statistics in Industry and Technology

June 1–3, 2005, Park City, Utah

<http://src2005.byu.edu/>

The theme of SRC 2005 is “*Statistics: A Diverse Field for a Diverse World.*”

Contact Shane Reese, Brigham Young Univ: reese@stat.byu.edu

Now IMS co-sponsored meeting:

International Conference on Statistics in Honour of Professor Kai-Tai Fang's 65th Birthday (“Fang65”)

June 20–24, 2005

Hong Kong

<http://www.math.hkbu.edu.hk/Fang65>

email: fang65@math.hkbu.edu.hk

IMS Sponsored meeting:

8th North American New Researchers Conference**August 2–6, 2005 (immediately before JSM)****University of Minnesota**<http://pages.pomona.edu/~jsho4747/NRC/NRC.htm>

Contact: Jo Hardin, Pomona College, Department of Mathematics, 610 North College Avenue, Claremont, CA 91711 t (909) 607-8717 e jo.hardin@pomona.edu; Galin Jones, School of Statistics, University of Minnesota, 313 Ford Hall, 224 Church Street S.E., Minneapolis, MN 55455. e galin@stat.umn.edu; f 612.624.8868

*Invited Keynote Speakers:*

Grace Wahba University of Wisconsin, Madison

Sandy Weisberg University of Minnesota, Minneapolis

Rick Cleary Bentley College

The winner of the Tweedie New Researcher Award (to be announced)

Louis Chen President of the IMS, National University of Singapore

Speakers at Journal panel session: Frank Samaniego University of California, Davis, editor of *JASA – Theory and Methods*; Jim Albert Bowling Green State University, editor of *The American Statistician*. Speaker at Funding panel session: Bob Serfling, NSF

IMS Co-sponsored Meeting:

The Joint Meeting of the Chinese Society of Probability and Statistics (CSPS) and IMS**July 9–12, 2005****Beijing, China**<http://math.bnu.edu.cn/statprob/CSPS-IMS2005/index.html>

The joint meeting of the Chinese Society of Probability and Statistics (CSPS) and the Institute of Mathematical Statistics will take place at Peking University, Beijing on July 9–12, 2005.

The invited program covers a wide range of topics in statistics and probability, presenting recent and state-of-the-art developments in modern methodology research and applications such as nonparametric statistics, machine learning, finance, bioinformatics, environmental statistics, and information technology. Submissions of contributed papers are invited to the conference website with a deadline of **January 20, 2005**.

Moreover, a half day sightseeing to the Great Wall during the meeting is planned and an after-meeting program and an accompanying persons program during the meeting are also being planned. Please visit the conference website for updates.

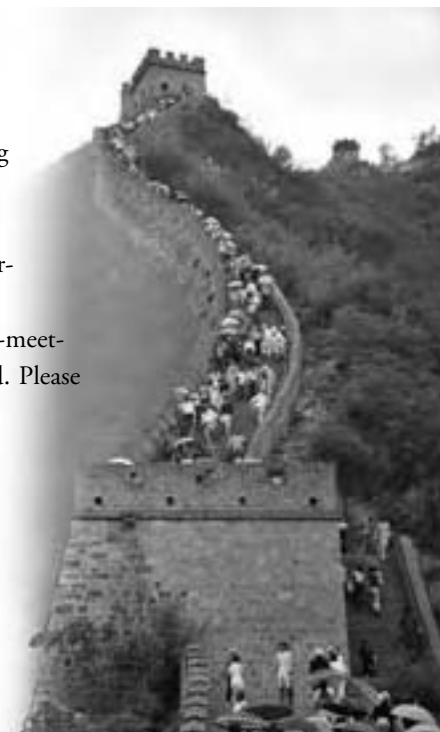
The main speakers, with titles where known, are confirmed as:

Probability part: J Theodore Cox, Syracuse University, USA; Zhiming Ma, Chinese Academy of Sciences, PRC; Shige Peng, Shandong University, PRC; Fengyu Wang, Beijing Normal University, PRC

Statistics part: Zhi Geng, Peking University: *Effect Reversal, Collapsibility and Decomposability for Causal Inference*; Peter Hall, Australia National University; Xihong Lin, University of Michigan: *Nonparametric and Semiparametric Regression for Longitudinal/ Clustered data and High Dimensional Data*; John Rice, University of California, Berkeley; Fengzhu Sun, University of Southern California: *The International HapMap Project and Disease Association Studies*; and Jeff Wu, Georgia Institute of Technology

We look forward to meeting you in Beijing!

Mufa Chen & Guoying Li, Chairs of the CSPS Program Committee; Bin Yu, Chair of the IMS Program Committee; Zhi Geng & Shuyuan He, Chairs of the Local Organizing Committee



Visit the Great Wall during your stay

Image: Roel de Gama

More IMS Meetings around the world

IMS Co-sponsored Meeting:

2005 WNAR/IMS Western Regional Meeting

Fairbanks, Alaska

June 21–24, 2005

[SEE POSTER, RIGHT]

<http://www.uaf.edu/wnar/>

Organizer: Christiana Drake, drake@wald.ucdavis.edu

IMS Program Chair: Thomas Lee

The University of Alaska Fairbanks will host the 2005 joint annual meeting of WNAR and IMS. Contributed, invited, and student paper sessions are planned, as well as one or more continuing education workshops. Textbook vendors plan to make recent titles available for review and purchase at the meeting.

Participants are encouraged to register and make airline and lodging reservations early, as June is peak tourist season. For those wanting to see more of Alaska before or after the conference, the conference web page provides a link to the Fairbanks Convention and Visitors Bureau where you can plan your Alaskan adventure. Hiking, white-water rafting and sight seeing at Denali National Park is about a two-hour drive from Fairbanks.

The planned deadline for abstracts is **April 15, 2005**. Please check the website for updated information as it becomes available.

Contact Gilbert Fellingham gwf@byu.edu, phone 801-422-2806



IMS Medallion Lecture: Christian Robert

IMS Invited Sessions:

Inference for Spatial Processes

Organizer: Jay Breidt; Speakers Mikyoung Jun, Giovanna Ranalli, Jun Zhu

Model Selection in a GIS World

Organizer: Alix Gitelman; Speakers: Kathryn Georgitis, Alix Gitelman, Devin Johnson, and John Van Sickle

Machine Learning

Organizer: Yi Lin; Speakers: Yoonkyung Lee, Xiaotong Shen, and Tao Shi

Statistical Modeling and Computation in Biology [joint WNAR/IMS invited session]. Organizer: Dan Nicolae; Speakers Haiyan Huang, Dan Nicolae, Matthew Stephens

Causal Inference

Organizer: David van Dyk; Speakers: Constantine Frangakis, Paul Rosenbaum, and Donald Rubin

IMS Co-sponsored Meeting:

2006 WNAR/IMS Western Regional Meeting

Flagstaff, AZ

June 2006

IMS Program Chair: TBA.

IMS Co-sponsored meeting:

Workshop on Stochastic Methods in Game Theory

Centro Majorana, Erice, Italy, September 24–October 2, 2005

IMS Rep is Marco Scarsini

<http://web.econ.unito.it/scarsini/Erice2005/>

IMS Sponsored meeting:

Stochastic Processes and Applications XXXI Paris, France, July 17–21, 2006

IMS reps: E Perkins, J Pitman, P Protter, A Sznitman, S Tavaré and E Waymire.

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



IMS Co-sponsored Meetings:

2006 ENAR/IMS Spring Meeting

March 19–22, 2006

Hyatt Regency, New Orleans, LA

<http://www.enar.org/meetings.htm>

2007 ENAR/IMS Spring Meeting

April 15–18, 2007

Fountainebleau Hilton Resort Miami, FL

<http://www.enar.org/meetings.htm>

*These meetings are also
listed on the 'Meetings' page
of the IMS website, at
<http://www.imstat.org/meetings>*

Where can you...

- ☼ experience 24 hours of daylight?
- ☼ see North America's highest mountain?
- ☼ hear about interesting statistical problems?
- ☼ network with other statisticians?



WNAR/IMS 2005

June 21-24, 2005 Fairbanks, Alaska

<http://www.uaf.edu/wnar/>

...at the 2005 meeting of
WNAR and IMS (Western
North American Region of
the International Biometrics
Society and the Institute of
Mathematical Statistics) at
the University of Alaska in
Fairbanks!

Short Course

Bayesian Clinical Trials, Scott Berry

Sample of Invited Sessions

*Time-varying treatment effects in
clinical trials*

*Modeling air pollution exposure
and response*

Functional data analysis

Computational biology

*Inference for spatial/non-stationary
processes*

Machine learning

Activities for New Researchers

Student paper competition

New researchers' luncheon

New researchers' session on spatial
statistics

Traveling to Fairbanks

Make airline and hotel reservations
early: June is peak tourist season!

Discount fares on Alaska Airlines for
conference participants

Some student travel awards are
available

Other attractions

Banquet on a stern-wheel riverboat

Textbook publishers' booths

Experience 24-hour daylight on June
21, the longest day of the year!

See the fantastic scenery and wildlife
in Denali National Park, 121 miles
from Fairbanks



For more information, see the
WNAR/IMS 2005 conference website
at www.uaf.edu/wnar/

Join WNAR at www.wnar.org
and IMS at www.imstat.org

Other Meetings Around the World: Announcements and Calls for Papers

MCP 2005: Fourth International Conference on Multiple Comparison Procedures Shanghai, China August 17–19, 2005

Celebrating 50 years of Multiple Comparisons, this conference will cover all topics relating to multiple comparisons. Conference details are being posted at the web site <http://www.stat.ohio-state.edu/~mcp2005>.

Participants can submit title and abstract via the web. Deadline for title/abstract submission is **March 31, 2005**.

NEW



Stochastic Geometry and its Applications 3–7 October 2005, University of Bern, Switzerland

<http://www.cx.unibe.ch/~ilya/wbec/>

Contact Prof I Molchanov (ilya@stat.unibe.ch). Programme Committee: EB Vedel Jensen, I Molchanov, W Weil.

The conference topics concern various aspects of stochastic geometry and its applications. One day of the conference will be devoted to Professor Dietrich Stoyan.

Registration deadline **May 1 2005**.

NEW

13th INFORMS Applied Probability Conference July 6–8, 2005 The Westin, Ottawa, Canada

<http://www.appliedprob.society.informs.org/ottawaconf.html>

Contact conference Co-chair Doug Down downd@univmail.cis.mcmaster.ca

NEW

LASR 2005: Quantitative Biology, Shape Analysis, and Wavelets. 4–6 July, 2005. Leeds, UK

<http://www.maths.leeds.ac.uk/statistics/workshop/>. Contact: workshop@maths.leeds.ac.uk

The Leeds Annual Statistical Research [LASR] Workshop is a well established annual event now looking forward to its 24th year. Although begun as an internal event, it now enjoys the support of a number of visitors each year from other universities and research bodies from around the world. These workshops usually extend over three days with input by one or more invited speakers. Over recent years, the theme of the workshop has reflected the growing, but not exclusive, departmental interest and expertise in bioinformatics,

NEW

Fejér - Riesz Conference Eger, Hungary June 8–14, 2005

<http://www.math.u-szeged.hu/confer/fejerriesz/Friesz.htm>

To commemorate the 125th anniversary of the birth of two outstanding Hungarian mathematicians, Lipót Fejér and Frigyes Riesz. Organized by the Hungarian Mathematical Society.

NEW

Logic in Hungary, 2005 Budapest, Hungary August 5–11, 2005

<http://www.renyi.hu/~lho5/>

Conference organized by the Hungarian Mathematical Society, celebrating the 100th anniversary of László Kalmár and Rózsa Péter.

Memorials and Scientific Programs

Are you considering memorializing someone with an invited session, memorial lecture or a workshop? You should coordinate this with the IMS Memorials Committee, currently chaired by Ingram Olkin. See http://imstat.org/officials/current_committees.html

If you are organizing a meeting, send in your announcement for the next issue (April 2005) by March 1, 2005 to Elyse Gustafson, IMS Executive Director, at erg@imstat.org. Adverts will also appear at <http://imstat.org/meetings>. See panel inside back cover for more advertisers' information.

First Cornell Summer School in Probability**July 10–23, 2005 [NOT 2006 AS PREVIOUSLY ANNOUNCED!]****Cornell University, Ithaca, NY**<http://www.math.cornell.edu/~lawler/sum2005.html>

Primary Lecturers: Richard Durrett (Cornell University): *Random networks: static and dynamic models*; Jean-Francois Le Gall (DMA - École Normale Supérieure de Paris): *Random trees and applications*; Russell Lyons (Indiana University): *Invariance in percolation, random walks, and random networks*

FUNDING: available to support advanced graduate students and young researchers to cover living costs in Ithaca; travel money may also be available. Those interested should send a letter with a CV to Greg Lawler, lawler@math.cornell.edu, by **March 1**. Students and very recent PhDs should also have a supporting letter sent (e-mail is fine). Applications for funding will be accepted after March 1 if money is available.

NB: see the Seminar on Stochastic Processes announcement on p18.

UPDATED**XXIII International Biometric Conference (IBC2006)****July 16-21, 2006****Montreal, Quebec, Canada**<http://www.ibc2006.org>

The International Biometric Conference, sponsored by the International Biometric Society, is held every two years and brings together statisticians and bioscientists interested in the development and application of statistical and mathematical methods for the biological sciences. The conference was held in Berkeley California in 2000, Freiburg Germany in 2002, and Cairns Australia <http://www.ozacomm.com.au/cairns2004> in 2004.

NEW

IPSI-2005 FRANCE
Carcassonne, France
23–26 April 2005

NEW

IPSI-2005 SPAIN
S'Agaró, Costa Brava, Spain
28 April – 1 May 2005

IPSI BgD conferences bring together the elite of the world of science. These conferences are in line with the newest recommendations of the US National Science Foundation and of the EU research sponsoring agencies, to stress multidisciplinary, interdisciplinary, and transdisciplinary research (MIT research).

Topics of interest include, but are not limited to: Internet; Computer Science and Engineering; Mobile Communications; Computing for Science and Business; Management and Business Administration; Education; e-Medicine; e-Oriented Bio Engineering/Science and Molecular Engineering/Science; Environmental Protection; e-Economy; e-Law; Technology based Art and Art to inspire Technology Developments; Internet Psychology

Full details of these and future conferences at <http://www.internetconferences.net/>

Mathematical Modelling and Analysis of Language Diversification
March 21, 2005
Harvard University, Cambridge, Massachusetts.**NEW**<http://www.cs.utexas.edu/users/tandy/harvardwork.html>

The problem of inferring the evolutionary history of language families is of interest to researchers in both historical linguistics and the mathematical sciences (statistics, computer science, probability, etc.). This workshop aims to foster dialogue between these groups.

Four talks focusing on the nature of the branching process in language diversification will be followed by a panel discussion in which proposed models and methods will be critiqued with respect to data and known history.

Speakers and panelists:

Andrew Garrett (speaker), Department of Linguistics, University of California at Berkeley.

Jay Jasanoff (panelist and co-chair), Department of Linguistics, Harvard University.

Brett Kessler (speaker), Department of Psychology, Washington University.

James Matisoff (panelist), Department of Linguistics, University of California at Berkeley.

Geoff Nicholls (speaker), Department of Mathematics, Auckland University.

Johanna Nichols (panelist, not yet confirmed), Department of Slavic Languages, University of California at Berkeley.

Donald Ringe (panelist), Department of Linguistics, University of Pennsylvania.

Tandy Warnow (speaker and co-chair), Program for Evolutionary Dynamics at Harvard.

The workshop will be open to the public and free of charge. For more information, please see the workshop website.

More Meetings Around the World: Announcements and Calls for Papers

NEW

Workshop in Honor of Niels Keiding:

Life history events analysis in epidemiology and fertility studies
15–16 September 2005

Institut de Santé Publique et Développement (ISPED), Bordeaux, France

<http://www.isped.u-bordeaux2.fr/IFR99/ACCUEIL/FR-IFR99-Accueil.htm>

Organizers: Daniel Commenges, INSERM EMI 0338, Equipe de Biostatistique • daniel.commenges@isped.u-bordeaux2.fr; Mikail Nikulin, EA 2961, Statistique Mathématiques et ses applications

Topics: Life history events analysis, counting processes, applications to epidemiology and to fertility studies. Niels Keiding will receive the title of Docteur Honoris Causa de l'Université Victor Segalen Bordeaux.

Invited speakers: [* confirmed] Odd Aalen* (Oslo); Per Andersen* (Copenhagen); Annette Baudisch* (Rostock); Ornulf Borgan (Oslo); Norman Breslow* (Seattle); David Clayton* (Cambridge); Jean-Yves Dauxois* (Rennes); Jutta Gampe* (Rostock); Guadalupe Gomez* (Barcelone); Jan Hoem* (Rostock); Phillip Hougaard* (Copenhagen); Catherine Huber* (Paris); Niels Keiding* (Copenhagen); John Klein* (Milwaukee); Mei-Ling Lee* (Boston); Henri Leridon (Paris); Nikolaos Limnios* (Compiègne); Danyu Lin* (Chapel Hill); Thomas Scheike* (Copenhagen); Rémy Slama* (Paris); Alfred Spira* (Paris); James Vaupel* (Rostock).

Registration fees: 100 euros. Gala dinner: 50 euros

Thinking of organizing a meeting?

There's lots of advice available on the IMS website if you're thinking of organizing a meeting or a mini-meeting, a session or a memorial lecture.

Help for program chairs is available at <http://www.imstat.org/program/program.html> and there's a list of resources at <http://www.imstat.org/program>

Ask for advice!

ICOTS-7: Working Cooperatively in Statistics Education

July 2–7, 2006

Salvador (Bahia), Brazil

<http://www.maths.otago.ac.nz/icots7>

The International Association for Statistical Education (IASE) and the International Statistical Institute (ISI) are organizing the Seventh International Conference on Teaching Statistics (ICOTS-7) which will be hosted by the Brazilian Statistical Association (ABE).

Most of the 54 Invited Paper Sessions (arranged into 9 different Topics) are complete. In addition 4 Special Interest Group Meetings (3 of them in both Portuguese and Spanish) have been arranged for those interested in discussing a particular theme. **Call for contributed papers and posters** Contributed papers and posters dealing with any aspect of statistics education are welcome.

Contributed paper will be arranged in a variety of Sessions, taking into account the proposals received. An optional refereeing process will be arranged for those wishing their papers to be refereed.

Those interested in submitting a contributed paper should contact either Joachim Engel (Engel_Joachim@ph-ludwigsburg.de) or Alan McLean (alan.mclean@buseco.monash.edu.au) before **September 1, 2005**.

Those interested in submitting a poster should contact Celi Lopes (celilopes@uol.com.br) before **February 1, 2006**.

Detailed guidelines for authors, deadlines and other information are available at the ICOTS web site at <http://www.maths.otago.ac.nz/icots7>

More information can be obtained from Carmen Batanero, batanero@ugr.es

Send your announcement to ims@imstat.org

Annual Report of the IMS Treasurer

INTRODUCTION



This report details membership and subscription data for calendar year end 2004. In addition, it reviews the FY2004 (July 1, 2003 to June 30, 2004) financial

statements. I am proud to announce, for the fifth year in a row the IMS experienced another increase in total membership. We have many members taking advantage of the new membership options that have been introduced over the last four years. For 2005, we have added a new joint IMS/Bernoulli Society membership which allows members to receive 25% off membership when they join both societies. In addition, we have expanded student membership. Now students will receive free membership plus one free print journal.

The IMS Executive Committee and Council decided to put more funds back into our members. Several programs reflect this new philosophy including mini-meetings; student and new graduate membership; gratis electronic access to all journals for all members; discounts for on-time renewal; and travel funds for students and new researchers.

The financial status of the Institute continues to be strong and stable. Details of the events of the past year, membership and subscription data, sales data and a detailed analysis of the financial statement for FY2004 are given below.

Dues and Subscriptions Office

We recently renewed our agreement with the Federation for Societies in Experimental Biology (FASEB) to continue handling all dues and subscription processing. The IMS relationship with FASEB has been in place

since 2000. We have found increased efficiencies and economies of scale that allow us to invest more funds toward membership benefits rather than administration.

Societal Office

Elyse Gustafson is in her eighth year as our Executive Director. She continues to handle all societal issues from her office in Cleveland, Ohio. Elyse will provide a full report on activities from her office in an upcoming IMS Bulletin. Please be sure to read it.

Publications and Web

Journals: IMS journals are the core of our mission. The Annals continue to be top tier in the field. In 2004, the IMS began placing all IMS articles on the open access ArXiv (see <http://www.imstat.org/publications/arxiv.html> for more information).

Editors: Welcome to Ed George, Executive Editor, *Statistical Science*. We owe special thanks to George Casella who has completed his term and has served the IMS with great dedication.

Electronic Access: All IMS members receive electronic access to all IMS journals (1996 to date) through Project Euclid. In addition, members whose organizations do not subscribe to JSTOR can receive individual access to all IMS journals (1930-2001) via JSTOR. For more information see <http://www.imstat.org/publications/eaccess.htm>

IMS Lecture Notes – Monograph Series: Six volumes in this series have been published since my last report. Volume 42, *Mathematical Statistics and Applications: Festschrift for Constance van Eeden*, Marc Moore, Sorana Froda and Christian Léger, Editors; Volume 43, *Crossing Boundaries: Statistical Essays in Honor of Jack Hall*,

John E Kolassa and David Oakes, Editors; Volume 44, *The First Erich L. Lehmann Symposium – Optimality*, Javier Rojo and Victor Pérez-Abreu, Editors; Volume 45, *A Festschrift to Honor Herman Rubin*, Anirban Dasgupta, Editor; Volume 46, *Stein's Method: Expository Lectures and Applications*, Persi Diaconis and Susan Holmes, Editors; and Volume 47, *Recent Developments in Multiple Comparison Procedures*, Y. Benjamini, F. Bretz and S. Sarkar, Editors. More information on all volumes can be found at: <http://www.imstat.org/publications/lecnotes.htm>

NSF-CBMS Regional Conference Series:

One volume in this series was published since my last report, Volume 8, *Analysis of Longitudinal and Cluster-Correlated Data*, Nan Laird, Harvard University. More information can be found at <http://www.imstat.org/publications/nsf.htm>

IMS Meetings and Awards.

During FY2004, the IMS granted a total of \$17,800 to support students and new graduates and those in developing countries. \$17,400 was granted to 2004 Laha Travel Award Recipients and \$400 was granted to support a lecturer to visit the Philippines and present the first IMS Visiting Lecturer in Statistics.

MEMBERSHIP DATA

Total membership in the Institute as of December 31, 2004 was up 8.8% from December 31, 2003. Every category of membership was up in 2004. Table 1 [see next page] presents the distribution of memberships by category for the last several years.

Breakdown of Member Categories:

Among the general members for 2004, a total of 31 are Gift members (27 last year),

40 are joint members (40 last year), 225 are retired (234 last year) and 175 are reduced rates (173 last year) and the remaining 2,275 are regular members (2,270 last year). Within the Life membership category, 31 are retired life members and 102 are regular life members.

Geographic Distribution of Members:

Approximately 62% of our members are in the USA and Canada. This is a slight change in our geographical distribution from previous years when two-thirds of our members were in the USA and Canada.

Selection of Journals by Members:

Although membership increased in 2004, subscriptions to most journals by members decreased. This decrease is expected as we offer free electronic access of all journals to members and members shift to electronic subscriptions. Subscriptions to *Annals of Statistics* increased, due to increased numbers of students selecting this journal as their free print subscription. Table 2 presents the print journal selections and electronic access account set up for members in 2004 and the preceding three years.

Revenue from all Institute member dues and journal subscriptions amounted to \$357,657 for the fiscal year ending June 30, 2004, up from \$312,793 in FY2003. This is attributed to increased membership.

NON-MEMBER SUBSCRIPTION DATA

Table 3 presents comparative subscription data for non-members to each of our scientific journals for 2004 and the previous three years. All journals experienced decreases in print subscriptions in 2004, while electronic subscriptions were up. Revenue from all non-member subscriptions was \$655,159 for the fiscal year ending June 30, 2004, up from \$626,278 for the FY2003. Approximately 60% of the non-member subscribers to IMS journals are in USA and Canada, with the remaining subscribers distributed throughout the world.

TABLE 1:

Distribution of Memberships by Category [Calendar Year Data (Jan-Dec)]

	2001	2002	2003	2004	% change
Individual	2820	2758	2744	2746	0.07%
Life	8	51	115	133	15.65%
New Graduate	93	131	122	165	35.25%
Student	395	496	707	971	37.34%
Organizational	94	98	102	107	4.90%
Total	3410	3534	3790	4122	8.76%

TABLE 2:

Distribution of Journal Selections by Members [Calendar Year Data (Jan-Dec)]

	2001	2002	2003	2004	% change
PRINT					
AAP	902	865	844	800	-5.21%
AOP	952	918	910	907	-0.33%
AOS	1992	1949	1917	1987	4.17%
STS	2707	2778	2846	2750	-3.37%
Total Print	6553	6510	6517	6444	-1.12%
ELECTRONIC					
AAP	N/A	363	715	820	14.69%
AOP	N/A	411	693	791	14.14%
AOS	N/A	482	943	1112	17.92%
STS	N/A	295	877	1023	16.65%
Total Electronic	N/A	1551	3228	3746	16.05%

TABLE 3:

Distribution of Journal Selections by Non-Member Subscribers [Calendar Year Data (Jan-Dec)]

	2001	2002	2003	2004	% change
PRINT					
AAP	680	672	716	675	-5.73%
AOP	983	984	1034	1001	-3.19%
AOS	1305	1300	1342	1268	-5.51%
STS	1068	1021	1064	976	-8.27%
BULL	259	257	229	222	-10.89%
Total Print	4295	4234	4385	4142	-5.54%
ELECTRONIC					
AAP	N/A	N/A	363	480	32.23%
AOP	N/A	N/A	520	684	31.54%
AOS	N/A	N/A	593	800	34.91%
STS	N/A	N/A	459	635	38.34%
Total Electronic	N/A	N/A	1935	2599	34.32%

SALES DATA

There were no new volumes in the *NSF-CBMS Regional Conference Series in Probability and Statistics* in FY2004. In FY2004, total revenue from this Series was \$7,599, up from \$6,905 in FY2003. Table 4 shows summary data on sales from the *NSF-CBMS Regional Conference Series*. Three new volumes in the *Lecture Notes - Monograph Series* were published in FY2004. The last row of Table 4 presents summary sales data for Volumes 1-44 of this Series. Total revenue from the Series increased to \$30,540 in FY2004 from \$28,012 in FY2003.

TABLE 4:

Sales from the *NSF-CBMS Regional Conference Series*, and *Lecture Notes - Monograph Series* total sales [Fiscal Year Data (July 1-June 30)]

Vol: Short Title	Published	to 2000	2001	2002	2003	2004	TOTAL
1: <i>Group Invariance</i>	1989	854	11	11	7	19	902
2: <i>Empirical Pro</i>	1990	1,033	34	41	32	64	1,204
3: <i>Stochastic Curve</i>	1991	620	8	19	10	10	667
4: <i>Higher Order</i>	1994	412	17	15	24	26	494
5: <i>Mixture Models</i>	1995	713	108	40	53	76	990
6: <i>Genetic Data</i>	2000	-	306	194	136	75	711
7: <i>Linear Mixed Models</i>	2003	-	-	-	45	124	169
Total CBMS sales (7 volumes)		3,632	484	320	307	394	5,137
Total LNMS sales (44 volumes)		21,964	679	832	910	887	25,214

FINANCIAL OVERVIEW

This is a detailed analysis of the Financial Statement for FY2004, which is presented in this issue of the *IMS Bulletin* [pages 29-31], following this Treasurer's Report. Comparisons are always with FY2003. The overall picture of the financial status of the Institute is strong and stable. Per the auditor's report, in FY2004 we experienced a decrease in unrestricted net assets of \$8,154. Although this seems slight, it was intended. The IMS has strong reserves and it has been the goal of the Council to put our revenues back into services to the membership and the community. This was done on such programs as travel grants, free electronic access, pre-print posting of articles, early renewal discounts, and more. The Statement of Activities shows an increase in total revenue and a decrease in total expenses compared with FY2003. Total revenues are lower than expenses showing a net loss.

Revenue

Membership dues and subscription revenues were adjusted, as in the past to pro-rate calendar year revenues to fit with the Institute's fiscal year reporting. Revenues from membership dues and subscriptions are up from FY2003; this is due to an increase in membership. Revenues from non-member subscribers are up due to increases in subscription rates. The contributions listed in FY2003 and FY2004 represent donations made to the Tweedie Memorial Fund. Sales of back issues are up from FY2003. Page charges are down. Due to the voluntary nature of the contributions, the levels received tend to fluctuate. Revenue from sales of *Lecture Notes - Monograph Series* was up slightly as only three volumes were

released in the fiscal year, as opposed to two in FY2003. Revenue from sales of *NSF-CBMS Series* were slightly up due to sales from volume 7.

Meeting income increased as we handled all funds for one meeting and JSM income for the August 03 meeting in San Francisco was \$37,000. Advertising revenues were down due to decreased advertisements. Offprints, royalty and other category is up slightly as royalties from IMS's interest in JSTOR increased. Net earnings of joint publication ventures show a profit in FY2004 after a deficit in FY2003. The publications' (*Current Index to Statistics* and the *Journal of Computational and Graphical Statistics*) management committees have been working to address the issues facing the publications.

The unrealized loss on investments is merely a line item, which shows prepaid interest and is not an actual loss or gain on investments. That amount should be totaled with the Investment Income line item to get a complete understanding of our gain on investments in FY2004. Investment income is down in FY2004 as the lower interest rates across the world affect our investments.

Expenses

The IMS makes a distinction between Program and General Administrative expenses in its audited reports. This is appropriate reporting for a non-profit organization and gives members a better idea of how much is being spent on actual programming (journals, meetings, etc) versus what is spent purely on administration of the Institute. I am happy to report that 95.0% (up from 94.4% last

year) of your dues dollar goes directly into the program functions of the IMS.

Discussion of Note F:

Here you will see the allocation for expenses for Program and General Administrative. Production and Editorial expenses will be discussed below in the “Discussion of Note G.”

The management fee shows the expenses paid to FASEB for their dues, subscriptions and web services and is steady for FY2004. Salaries are up in FY2004 reflecting wage increases and the use of temporary staff as needed. Mailing and shipping at the press is up from FY2003, as postage rates increased and as we switched to a more reliable and timely international carrier whose costs were slightly more.

Meeting expenses are down from FY2003 as a smaller meeting was handled in FY2004 than the previous year. Rent and utilities are up slightly. Contributions to other societies is steady. Postage is down from FY2003, as fewer renewals had to be sent out as people renewed on time due to discounts and agent subscription orders were batched for shipment. Computer equipment and software was down as no new equipment was needed. Professional fees were steady in FY2004. Insurance fees experienced an increase that is appropriate with the industry and our international presence.

Storage fees are up as we currently have more journals in storage. We expect to thin out these over the next year by donating journals and decreasing inventory on hand.

Printing is up as membership increases, more catalogs, notices and ballots must be printed. Supplies are up as needs fluctuate. Telephone is down as more people use email for communication and web submission for dues renewals over telephone and fax.

Membership drives and publicity is up as we conducted a wider membership cam-

paign in FY2004. Office expense includes bank fees and other miscellaneous expenses.

Discussion of Note G:

Production expenses for *Annals of Statistics*, *Annals of Applied Probability* and *Statistical Science* were all up due to increases in pages during FY2004. *Annals of Probability* published one extra issue to address the backlog in FY2004 and expenses are up due to it.

LNMS expense is down due to fewer reprints of volumes needed in FY2004. Electronic operations for all expenses include fees for placement of our hosting of our journals on Project Euclid and metadata generation. Editorial expenses for the *Annals of Applied Probability* and *Annals of Probability* are down as both editors work in highly automated system. The *Annals of Statistics* is up as both editors changed over in FY2004. *Statistical Science* is up due to variations in billing timelines for the editors, but overall this editor is below budget for his term. All editors are within their budgets for the length of their term. The *IMS Bulletin* editor is up due to inflationary increases and slightly higher travel expenses in FY2004. Managing and production editorial expenses are up due to inflation and increased services due to increased total pages. The Web editor expenses are down as fewer services were utilized in FY2004.

Recommendation

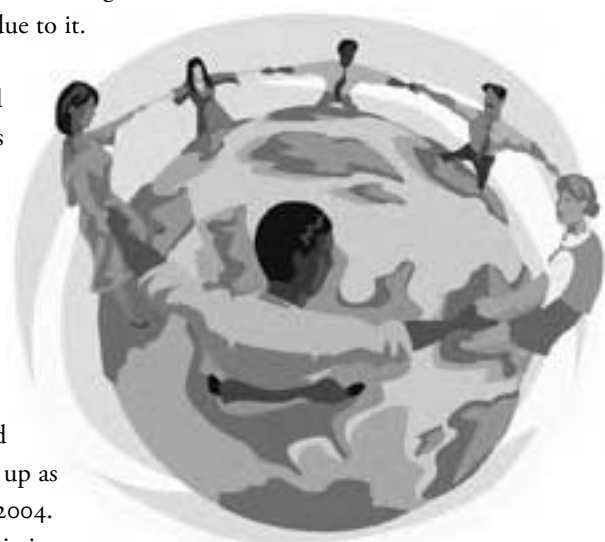
This year we recommended an institutional subscription rate increase of 10% for 2005. Dues and journal rates for members remain the same for 2005. Members were given a 20% discount off dues if they renewed by December 31.

The 2004-2005 Council approved these recommendations at the Annual Meeting in July 2004 in Barcelona, Spain.

My term as Treasurer has been an

adventure. I began my term as Treasurer-elect by serving on the selection committee for the current Executive Director, Elyse Gustafson (then Director).

When Elyse moved to Ohio, the officers and Council at that time (2000) had the good sense to close the Hayward office officially and move to a more “global office”.



Currently, the subscription, fulfillment, and membership services reside in Maryland. Web services are in Cleveland and Maryland. Patrick Kelly, Assistant Managing Editor, is in Pennsylvania, and Tati Howell, *IMS Bulletin* Assistant Editor is in England. I would appreciate hearing whether or not these changes have benefited the membership in improved services and prompt responses to questions and concerns.

The staff members of the Institute and FASEB are careful and dedicated. The Executive Director is without parallel. She, with the Executive Committee, with Council approval has kept us growing and expanding member services.

I have enjoyed very much serving with all the IMS officers, Editors, and Council members over the past seven years and hope to serve the Institute in the future.

Julia Norton, Treasurer

Bregante Company LLP

Certified Public Accountants

55 Hawthorne Street
Suite 910
San Francisco, CA 94105-3914
(415) 777-1001 Tel
(415) 546-9745 Fax
www.bcccpa.com

330 Ignacio Boulevard
Suite 201
Novato, CA 94949-6036
Tel (415) 883-4262
Fax (415) 883-4290
www.bcccpa.com

Independent Auditors' Report

The Council
Institute of Mathematical Statistics

We have audited the accompanying statements of financial position of Institute of Mathematical Statistics (the Institute) as of June 30, 2004 and 2003 and the related statements of activities and cash flows for the years then ended. These financial statements are the responsibility of the Institute's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of Institute of Mathematical Statistics as of June 30, 2004 and 2003, and the changes in its net assets and its cash flows for the years then ended, in conformity with accounting principles generally accepted in the United States of America.

Bregante + Company LLP

October 19, 2004

INSTITUTE OF MATHEMATICAL STATISTICS

STATEMENTS OF FINANCIAL POSITION

June 30, 2004 and 2003

	2004	2003
ASSETS		
Cash	\$ 71,627	\$ 113,028
Investments, at market value	2,311,802	2,251,600
Accounts receivable	2,210	595
Interest receivable	8,730	10,239
Prepaid expenses	47,349	62,334
Investments in joint ventures	113,158	92,502
Restricted cash for endowment	32,525	32,110
Deposits	2,175	2,175
Total assets	<u>\$ 2,589,576</u>	<u>\$ 2,564,583</u>
LIABILITIES AND NET ASSETS		
Liabilities:		
Accounts payable and accrued liabilities	\$ 57,100	\$ 80,784
Unearned memberships, subscription and meeting revenue	592,564	535,733
Total liabilities	649,664	616,517
Net assets:		
Unrestricted:		
Operating	1,636,446	1,672,003
Board designated	270,941	243,650
Total unrestricted	1,907,387	1,915,653
Temporarily restricted	1,386	1,274
Permanently restricted	31,139	31,139
Total net assets	1,939,912	1,948,066
Total liabilities and net assets	<u>\$ 2,589,576</u>	<u>\$ 2,564,583</u>

See accompanying notes and auditors' report.

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INSTITUTE OF MATHEMATICAL STATISTICS

STATEMENTS OF ACTIVITIES

For the Years Ended June 30, 2004 and 2003

	2004	2003
Changes in unrestricted net assets:		
Revenue and support:		
Membership dues and journal subscriptions	\$ 357,657	\$ 312,793
Non-member subscriptions	655,159	626,278
Contributions	11,056	2,500
Sales of back issues	8,789	5,418
Page charges	19,500	23,249
Sales of Lecture Notes - Monograph Series	30,540	28,012
Sales of NSF-CBMS Series	7,599	6,905
Meetings	84,443	41,621
Advertising	27,197	29,977
Offprints, royalties and other	48,458	44,433
Net profit (deficit) of joint venture publications	20,656	(9,746)
Unrealized gain on investments	8,200	3,000
Investment income	34,039	57,613
Total unrestricted revenue and support	1,313,293	1,172,053
Expenses:		
Program	1,255,052	1,106,307
General and administrative	66,507	65,359
Total expenses	1,321,559	1,171,666
Increase (decrease) in unrestricted net assets	(8,266)	387
Changes in temporarily restricted net assets:		
Investment income	112	497
Increase in temporarily restricted net assets	112	497
Increase (decrease) in net assets	(8,154)	884
Net assets, beginning of year	1,948,066	1,947,182
Net assets, end of year	<u>\$ 1,939,912</u>	<u>\$ 1,948,066</u>

See accompanying notes and auditors' report.

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INSTITUTE OF MATHEMATICAL STATISTICS

STATEMENTS OF CASH FLOWS

For the Years Ended June 30, 2004 and 2003

	2004	2003
Cash flows from operating activities:		
Changes in net assets	\$ (8,154)	\$ 884
Adjustments to reconcile changes in net assets to net cash provided (used) by operating activities:		
Net (profit) deficit in investments in joint ventures	(20,656)	9,746
Unrealized gain on investments	(8,200)	(3,000)
(Increase) decrease in assets:		
Accounts receivable	(1,615)	(17)
Interest receivable	1,509	14,817
Prepaid expenses and deposits	14,985	(36,150)
Restricted cash for endowment	(415)	(666)
Increase (decrease) in liabilities:		
Accounts payable and accrued liabilities	(23,684)	(39,978)
Unearned memberships, subscription and meeting revenue	56,831	47,423
Total adjustments	18,755	(7,825)
Net cash provided (used) by operating activities	10,601	(6,941)
Cash flows from investing activities:		
Net change in investments	(52,002)	44,091
Net cash provided (used) by investing activities	(52,002)	44,091
Net increase (decrease) in cash	(41,401)	37,150
Cash, beginning of year	113,028	75,878
Cash, end of year	<u>\$ 71,627</u>	<u>\$ 113,028</u>

See accompanying notes and auditors' report.

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NOTES TO FINANCIAL STATEMENTS

June 30, 2004 and 2003

NOTE A -- Summary of significant accounting policies**Organization**

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

The scientific journals of the Institute are The Annals of Applied Probability, The Annals of Probability, The Annals of Statistics and Statistical Science. The IMS Bulletin is the news organ of the Institute. In addition, the Institute publishes The IMS Lecture Notes - Monograph Series. Jointly with other organizations, the Institute publishes the Journal of Computational and Graphical Statistics, the NSF-CBMS Regional Conference Series in Probability and Statistics, Current Index to Statistics, other Indexes and collected works of well-known statisticians and probabilists.

The Institute is an international organization of approximately 4,000 statisticians, probabilists, epidemiologists and econometricians from industry, academia and government.

Basis of accounting

The Institute maintains its accounting records and prepares its financial statements on the accrual basis. Accordingly, revenue and the related assets are recognized when earned rather than when received, and expenses are recorded when the obligation is incurred rather than when paid.

Financial statement presentation

The Institute reports information regarding its financial position and activities according to three classes of net assets: unrestricted, temporarily restricted and permanently restricted net assets, as required by the Statement of Financial Accounting Standards (SFAS) No. 117.

Unrestricted net assets - designated

The Council of the Institute has designated that a portion of unrestricted net assets be used for specific purposes in future periods.

See auditors' report.

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NOTES TO FINANCIAL STATEMENTS (Continued)

June 30, 2004 and 2003

NOTE A -- Summary of significant accounting policies (continued)**Production costs of publications**

The Institute's policy is to expense the production costs of its publications as incurred rather than capitalize these costs as inventory. The Institute follows this policy as there is no discernible market for the publications after the initial distribution.

Use of estimates

The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

Shipping and handling costs

Shipping and handling costs are recorded as incurred. The expenses were included in the functional expenses in Note F.

NOTE B -- Concentration of credit risk

The Institute maintains cash balances at three financial institutions. The balances at times may exceed federally insured limits. The Institute has not experienced any losses in these accounts and believes they are not exposed to any significant credit risk.

See auditors' report.

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NOTES TO FINANCIAL STATEMENTS (Continued)

June 30, 2004 and 2003

NOTE A -- Summary of significant accounting policies (continued)**Permanently restricted net assets**

Permanently restricted net assets consist of cash gifts restricted by donors to establish a fund honoring the memory of Professor Le Cam.

Temporarily restricted net assets

Temporarily restricted net assets consist of the earnings from the Le Cam endowment fund. The earnings from the endowment fund will be used to present a Le Cam Lecture every three years. The earnings were \$112 and \$497 for the years ended June 30, 2004 and 2003, respectively.

Investments in joint ventures

Investments in joint ventures are stated at cost plus the equity in the undistributed earnings of the joint ventures since the dates of acquisition.

Unearned memberships, subscription and meeting revenue

The Institute receives payments in advance of the period in which they are earned. These amounts are shown as unearned memberships, subscription and meeting revenue in the Statements of Financial Position.

Contributions

The Institute does not request or receive pledges. The Institute records contributions upon receipt.

Income taxes

The Institute is a qualified organization exempt from federal income taxes under the provisions of Sections 501(c)(3) of the Internal Revenue Code.

Functional allocation of expenses

The costs of providing the program services of the Institute are summarized in the Statements of Activities and are shown in detail in Note F. Expenses that can be directly identified with a specific function are allocated directly to that function. Expenses that cannot be directly identified with a specific function are allocated between the program services and the general and administrative.

See auditors' report.

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NOTES TO FINANCIAL STATEMENTS (Continued)

June 30, 2004 and 2003

NOTE C -- Investments

The Institute maintains accounts with Merrill Lynch. Investments include mutual funds carried at their fair market value and certificate of deposits at various institutions maturing at various dates. The investments are immediately convertible to cash with maturities ranging from one month to less than two years. Investments at June 30, 2004 and 2003 were as follows:

	2004	2003
Mutual funds (cost \$200,000)	\$ 177,800	\$ 169,600
Certificates of deposit at various institutions	<u>2,134,002</u>	<u>2,082,000</u>
Total	<u>\$ 2,311,802</u>	<u>\$ 2,251,600</u>

NOTE D -- Joint venture investments

The Institute and the American Statistical Association (ASA) are involved in a joint venture for the production and sale of the Current Index to Statistics (CIS). The Institute and ASA each hold a 50% interest in this joint venture.

The Institute, ASA and Interface Foundation of North America (IFNA) participate in a joint venture for periodic publication of the Journal of Computational and Graphical Statistics. The Institute's participation in profits and ownership of this venture is 40%.

The Institute's equity was \$76,285 and \$56,329 for Current Index to Statistics (the CIS venture) and \$36,873 and \$36,173 for Journal of Computational and Graphical Statistics (the IFNA venture) at June 30, 2004 and 2003, respectively.

The following is a summary of the financial position and results of operations of the joint ventures for the years ended June 30:

See auditors' report.

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INSTITUTE OF MATHEMATICAL STATISTICS
NOTES TO FINANCIAL STATEMENTS (Continued)

June 30, 2004 and 2003

NOTE D -- Joint venture investments (continued)

	Current Index To Statistics		Journal of Computational and Graphical Statistics	
	2004	2003	2004	2003
Current assets	\$ 220,278	\$ 162,815	\$ 148,726	\$ 150,006
Total assets	\$ 220,278	\$ 162,815	\$ 148,726	\$ 150,006
Current liabilities	\$ 67,709	\$ 50,158	\$ 56,543	\$ 59,575
Undistributed co-sponsors' equity	152,569	112,657	92,183	90,431
Total liabilities and co- sponsors' equity	\$ 220,278	\$ 162,815	\$ 148,726	\$ 150,006
Revenue	\$ 112,959	\$ 69,177	\$ 99,750	\$ 91,982
Net income (loss)	\$ 39,912	\$ (22,165)	\$ 1,752	\$ 3,343

NOTE E -- Retirement plan

The Institute participates in an employer matching 403(b) Retirement Annuity Plan. The Institute matches 200% of the contributions of eligible employees up to 10% of the employee's gross salary. Employees who have completed three years of service are eligible to participate. The Institute contributed \$7,700 and \$7,575 for the years ended June 30, 2004 and 2003, respectively.

See auditors' report.

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INSTITUTE OF MATHEMATICAL STATISTICS
NOTES TO FINANCIAL STATEMENTS (Continued)

June 30, 2004 and 2003

NOTE F -- Functional expenses

Program and general and administrative expenses for the year ended June 30, 2004 were as follows:

	Program	General and Administrative	Total
Production expenses (see Note G)	\$ 511,785	\$ -	\$ 511,785
Editorial expenses (see Note G)	208,341	-	208,341
Management fee	131,885	-	131,885
Salaries, payroll taxes and employee benefits	68,762	29,470	98,232
Mailing and shipping at press	109,659	-	109,659
Meetings	119,844	-	119,844
Rent and utilities	2,425	1,039	3,464
Contributions to other organizations	6,362	-	6,362
Postage and shipping from office	20,927	8,969	29,896
Computer equipment and software	3,354	1,438	4,792
Professional fees	-	17,010	17,010
Insurance	15,246	6,534	21,780
Storage	11,684	-	11,684
Printing	13,633	-	13,633
Credit card fees and refunds	12,099	-	12,099
Supplies	2,176	933	3,109
Telephone	969	415	1,384
Membership drives and publicity	14,272	-	14,272
Office expense	1,629	699	2,328
Repairs and maintenance	-	-	-
	<u>\$ 1,255,052</u>	<u>\$ 66,507</u>	<u>\$ 1,321,559</u>

See auditors' report.

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INSTITUTE OF MATHEMATICAL STATISTICS
NOTES TO FINANCIAL STATEMENTS (Continued)

June 30, 2004 and 2003

NOTE F -- Functional expenses (continued)

Program and general and administrative expenses for the year ended June 30, 2003 were as follows:

	Program	General and Administrative	Total
Production expenses (see Note G)	\$ 410,790	\$ -	\$ 410,790
Editorial expenses (see Note G)	208,852	-	208,852
Management fee	131,776	-	131,776
Salaries, payroll taxes and employee benefits	71,711	30,733	102,444
Mailing and shipping at press	102,280	-	102,280
Meetings	98,182	-	98,182
Rent and utilities	2,106	902	3,008
Contributions to other organizations	6,163	-	6,163
Postage and shipping from office	19,198	8,228	27,426
Computer equipment and software	1,414	606	2,020
Professional fees	-	17,920	17,920
Insurance	11,918	5,108	17,026
Storage	10,093	-	10,093
Printing	10,370	-	10,370
Credit card fees and refunds	11,218	-	11,218
Supplies	1,470	631	2,101
Telephone	1,492	640	2,132
Membership drives and publicity	5,896	-	5,896
Office expense	1,378	591	1,969
Repairs and maintenance	-	-	-
	<u>\$ 1,106,307</u>	<u>\$ 65,359</u>	<u>\$ 1,171,666</u>

See auditors' report.

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INSTITUTE OF MATHEMATICAL STATISTICS
NOTES TO FINANCIAL STATEMENTS (Continued)

June 30, 2004 and 2003

NOTE G -- Production and editorial expenses

Production and editorial expenses incurred were as follows:

	2004	2003
Production expenses:		
The Annals of Statistics	\$ 129,058	\$ 110,929
The Annals of Probability	145,981	103,670
The Annals of Applied Probability	90,979	83,410
Statistical Science	59,058	56,622
NSF - CBMS Series	-	5,225
IMS Bulletin	36,636	25,782
Lecture Notes - Monograph Series	20,002	25,152
Electronic operations for all publications	30,071	-
Total production expenses	<u>\$ 511,785</u>	<u>\$ 410,790</u>
Editorial expenses:		
The Annals of Statistics	\$ 61,660	\$ 39,705
The Annals of Probability	6,284	10,176
The Annals of Applied Probability	7,315	19,964
Statistical Science	11,748	3,658
IMS Bulletin	32,595	29,043
Managing and production editors	76,763	73,594
WWW editor	11,976	32,712
Total editorial expenses	<u>\$ 208,341</u>	<u>\$ 208,852</u>

See auditors' report.

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Employment Opportunities around the world

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Indiana: Purdue University

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Massachusetts: Harvard University School of Public Health [repeat ad]

New York: Cornell University

Oregon: Portland State University; Oregon State University

Virginia: Virginia Tech

USA and Canada:

Various locations: Capital One

Australia: Sydney

University of Sydney

Sesqui Lecturer in Statistics (Bioinformatics) School of Mathematics and Statistics

Applications are invited for a Lecturer in Bioinformatics in the School of Mathematics and Statistics. The successful applicant will teach in the Statistics Program of the School of Mathematics and Statistics and will participate in statistical research in collaboration with the Sydney University Biological Information and Technology Centre.

Information on the position and the School is available from: <http://www.maths.usyd.edu.au/>

For further information contact Associate Professor Don Taylor, Head, School of Mathematics and Statistics, on (02) 9351 4533, fax (02) 9036 9267 or e-mail: hos@maths.usyd.edu.au

Closing: 3 March 2005

USA: Connecticut

Yale University

Postdoctoral Research Opportunity in Social Science, Experimental Research, Statistical Methods, Political Behavior

Professors Alan Gerber and Donald Green seek a postdoctoral research associate with training in statistics for full-time employment assisting on a variety of projects related to political participation and civic engagement. Job responsibilities will include, but are not limited to, assisting in experimental design, performing statistical evaluations of alternative estimators, and collaborating on research publications. Additional job responsibilities will be tailored to the strengths of the successful applicant, but might include overseeing the logistics and planning of experiments, data collection and management, and data analysis.

Successful applicants must have at least a master's degree in statistics or strong evidence of extensive methodology training. A record of previous research in political behavior is a plus. Salary is negotiable.

Please send a CV and Letter of Interest to Professor Alan Gerber or Professor Donald Green at alan.gerber@yale.edu or donald.green@yale.edu.

Yale is an AA/EOE Employer.

Switzerland: Lausanne



ÉCOLE POLYTECHNIQUE
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Faculty Positions at Ecole Polytechnique Fédérale de Lausanne (EPFL)

Over the next few years EPFL intends to make numerous faculty appointments of exceptional individuals across the entire range of the mathematical sciences. As part of this campaign we seek candidates with outstanding accomplishments in any domain of modern statistics. Preference will be given to those at the assistant and associate professor levels, but top senior candidates will also be considered.

Successful candidates will establish and lead vigorous independent research programs, interact with existing projects, and be committed to excellence in teaching. Significant start-up resources and research infrastructure will be available.

Applications should be made through <http://sma.epfl.ch/search>. Candidates will be required to submit curriculum vitae, concise statement of research and teaching interests, and the names and addresses (including email) of five referees as a single PDF file (at most 20 sides of A4, plus list of publications). A printed version of this file should be sent to:

**Professor Alfio Quarteroni
Mathematics Search Committee
IACS-FSB-EPFL, Station 8
CH-1015 Lausanne, Switzerland**

For additional information, please consult: <http://sma.epfl.ch/search>. EPFL is an equal opportunity employer.

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USA: Indiana**Purdue University****Faculty Position in Spatial Statistics**

As part of Purdue University's enhancement of excellence in climate change research, outreach, and education, the Department of Statistics in the School of Science invites applications for an open rank, tenure-track or tenured position in the area of Spatial Statistics. This position, to begin August 2005, is part of a School of Science cluster hire initiative involving many departments across campus. Reflecting the interdisciplinary and collaborative nature of climate change research, it is expected that this position will be a joint appointment between the Department of Statistics and a department in the School of Agriculture. Applicants should have a Ph.D. in Statistics or related field and must demonstrate potential excellence in collaborative research and teaching.

Purdue University has already made major investments in this initiative, including the establishment of the Purdue Climate Change Research Center <http://www.esei.purdue.edu/pccrc>, which will coordinate the existing and developing resources and activities in climate change research. In the last two years, several new faculty have been hired in related areas, with growth expected to continue. Research focus areas include but are not limited to regional and global scale climate modeling, climate policy analysis and/or risk assessment, climate-land interactions, agricultural and ecosystem health impacts, biogeochemical flux measurements, biogeochemical modeling, and aerosols, radiation and climate.

Please submit curriculum vitae, representative publications, descriptions of research and teaching interests and names and contact information of at least four references. Electronic submission provided below is strongly preferred. Applications will be reviewed beginning Jan. 10, 2005, and will continue until the position is filled. For additional information or clarification, please contact Bruce Craig at spatial@stat.purdue.edu or (765) 494-6043. Purdue University is an Equal Opportunity/Equal Access/Affirmative Action employer.

USA: Massachusetts**Harvard School of Public Health**

The Department of Biostatistics, Harvard School of Public Health is seeking candidates for the position of assistant or associate professor of biostatistics in four areas: HIV/AIDS, environmental health, public health surveillance, and cancer. Responsibilities associated with these positions include methodological and collaborative research, teaching, and the supervision of graduate students. Applicants for these positions should have a doctorate in biostatistics or statistics, or equivalent. While specific experience in the respective area is a plus, the main criterion for selection will be an outstanding potential to conduct methodological and substantive collaborative research. While candidates may specify one or more of the four areas in their application, the search committee will generally consider all candidates for all of the open positions. Please send a letter of application, including a statement of current and future research interests, a curriculum vitae and names of three references to:

*Chair, Search Committee for Asst. Professor of Biostatistics
Department of Biostatistics, Harvard School of Public Health
655 Huntington Avenue, Building Two-4th Floor
Boston, MA 02115*

The Harvard School of Public Health is strongly committed to increasing the representation of women and minority members among its faculty and particularly encourages applications from such candidates.

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USA: Iowa**University of Iowa****Visiting Faculty**

One or more visiting faculty for 2005-2006. Full or part-time, reappointment for second year possible. Appointments begin August 17 for fall, January 12 for spring. PhD preferred. Candidates having master's and good teaching experience considered. Selection begins **April 15**.

CV, three reference letters, graduate transcript for assistant professors to: *Visiting Search, Statistics and Actuarial Science, University of Iowa, Iowa City, IA 52242* or email: visiting-search@stat.uiowa.edu.

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

USA: New York**Cornell University****School of Operations Research & Industrial Engineering****Post doc**

The School of Operations Research & Industrial Engineering at Cornell University expects to have an opening for a post doc for two years starting July, 2005. The area of specialty should be Applied Probability.

Appealing candidates will have expertise and interest in stochastic processes applied to Financial Engineering. Familiarity with working with data and with applications is desirable, but not required. Salary appropriate to qualifications. Teaching load is two courses for the academic year, plus advising a project in the Spring semester.

Please send applications with three letters of reference before **March 15, 2005** to:

*Search Committee
ORIE, Cornell University
202 Rhodes Hall
Ithaca, NY 14853*

Women and minority candidates are especially encouraged to apply. Cornell University is an affirmative action/equal opportunity employer.

USA: Oregon**OREGON STATE UNIVERSITY**

The Department of Mathematics invites applications for a tenure track Assistant Professor position specializing in applied probability and stochastic processes. Applicants should have a Ph.D in mathematics or a closely related field, significant active research engagement in applied probability or stochastic processes, and excellence in teaching. Interest in participating in team-based interdisciplinary research and graduate education involving ecosystem processes is desirable. The appointee will be expected to maintain a vigorous research program in the field of applied probability and stochastic processes and participate in teaching, advising and mentoring at the graduate and undergraduate levels. Applicants should send a letter of interest and a detailed curriculum vitae including a description of current and future research interests and a list of publications to:

Search Committee: Probability
Department of Mathematics
Oregon State University
Corvallis, OR 97331

Additionally three letters of recommendation, one of which addresses teaching, are required. They should be sent directly to the above address. For full consideration, complete application materials must arrive by April 15, 2005. Further information is available at <http://www.math.oregonstate.edu/hiring>.

OSU is an Affirmative Action/Equal Opportunity Employer

USA: Virginia**Virginia Tech
Blacksburg, Virginia**

The College of Science at Virginia Tech (<http://www.cos.vt.edu/>), in cooperation with the Institute for Biomedical and Public Health Sciences (<http://www.ibphs.vt.edu/>), the Institute for Critical Technology and Applied Science (<http://www.eng.vt.edu/ictas/>), and the College of Liberal Arts and Human Sciences (<http://www.clahs.vt.edu/>), is seeking to strengthen research in infectious diseases, human developmental sciences, nanoscience, and computational science. The Department of Statistics anticipates hiring several tenure track faculty to work with scientists in one or more of these areas on issues ranging from design to development and application of data analytic methodologies; further details may be found under “job openings” at <http://www.stat.vt.edu/>. A Ph.D. in statistics, biostatistics, or a closely related field, is required. We encourage applications from all strong candidates who enjoy and are dedicated to the model of statistician/biostatistician as interdisciplinary researcher. Positions will start as early as Fall 2005.

Senior applicants must have a distinguished record demonstrating research leadership, significant external funding, and successful collaboration with researchers from other disciplines. He or she must be able to direct Ph.D. dissertations as well as mentor and collaborate with junior faculty. Previous experience in accordance with one of the targeted research initiatives is helpful, but not required. Junior candidates are urged to apply. Junior researchers can expect a supportive environment in a long-established department that encourages and provides ample opportunity for exposure to, and collaboration in, novel, cross-disciplinary methodological development. Completion of the Ph.D. degree is expected prior to appointment. There are strong statistical links among some of these initiatives, and those with multiple interests are especially welcome.

The Department of Statistics currently has 12 full-time faculty with diverse research interests. Located in scenic southwest Virginia, Virginia Tech is a land-grant institution and the largest public university in the state. Review of applications will begin on **February 1, 2005**. All applications including a cover letter, curriculum vitae and a statement of research goals and teaching goals should be submitted to <http://jobs.vt.edu/>. Three letters of recommendation should be submitted to

*Dr. J. P. Morgan, Search Chair,
Department of Statistics,
Virginia Tech,
Blacksburg,
VA 24061-0439.*

Virginia Tech is committed to recruiting, selecting, promoting, and retaining women, persons of color, and persons with disabilities. The University is a recipient of an NSF Advance grant which opens up a wide range of networking and development opportunities to women in science and engineering (<http://www.advance.vt.edu>). We strongly value diversity in the university and seek to assure equality in education and employment. Individuals with disabilities desiring accommodation in the application process should notify Melissa Simpkins, College of Science (msimpkin@vt.edu; 540-231-4033, or call TTY: 1-800-828-1120).

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USA: Oregon**Portland State University****Department of Mathematics & Statistics****Assistant/Associate Professor Position in Statistics**

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Further program information is available on our home page <http://www.mth.pdx.edu>. Questions? Call (503) 725-3621 or send email to molsee@pdx.edu. Review of files will start February 1, 2005 and continue until the position is filled.

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$$E(X_i) = \mu < \infty \Rightarrow \overline{X}_n \xrightarrow{P} \mu$$

$$E[|X| \geq t] \leq \frac{1}{t^2}$$

$$I(\theta) = E \left(\frac{d \log P}{d \theta} \right)^2$$

$$\Gamma(z) = \int_0^{\infty} t^{z-1} e^{-t} dt$$

$$S(t) = e^{-\int_0^t A(s) ds}$$

$$X'WX\hat{\beta} = X'WZ$$

$$H(x) = - \int f(x) \log f(x) dx$$

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International Calendar of Statistical Events

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


February 2005


February 15–17: Beer Sheva, Israel. The International Symposium on Stochastic Models In Reliability, Safety, Security and Logistics (SMRSSLo5). **w** <http://www.nace.ac.il/extra/SMRSSLo5/>


February 25–26: Washington Marriott Hotel, Washington DC. 14th Annual National Conference of the Quality Education for Minorities Mathematics, Science, and Engineering Network. **w** <http://qem-network.qem.org>. Shirley McBay, President, QEM Network, **t** 202/659-1818; **f** 202/659-5408; **e** smmcbay@qem.org

March 2005

 March 17–19: Arizona State University, Tempe. Sixth International Conference on Forensic Statistics. IMS Program Chair A John Bailer. **w** <http://icfs.law.asu.edu/>

 March 20–23: Austin, Texas. 2005 ENAR/IMS Spring Meeting. IMS Program Chair A John Bailer. **w** www.enar.org/meetings.htm

 March 21: Harvard University, Cambridge, MA. Mathematical Modelling and Analysis of Language Diversification **w** <http://www.cs.utexas.edu/users/tandy/harvardwork.html>

 March 24–26, 2005: Cornell University, New York. 2005 Seminar on Stochastic Processes. **w** www.math.cornell.edu/~lawler/ssp2005.html

March 29–April 1: Massey University, Auckland, New Zealand. 14th International Workshop on Matrices and Statistics **w** <http://iwms2005.massey.ac.nz/>

March 30–31: Trinity College Dublin, Ireland. Young Statisticians Meeting 2005. **e** ysm2005@tcd.ie

April 2005

April 5–12: Sydney, Australia. ISI 2005:

55th Biennial Session. Contact Annette Hants, isi2005@tourhosts.com.au **w** <http://www.tourhosts.com.au/isi2005>

April 13–14: Auckland, New Zealand. IASS 55: Complex Sampling, Retrospective Sampling and Missing Data: conference in honour of Alastair Scott. **w** <http://www.stat.auckland.ac.nz/iass55/> Contact: Chris Wild **e** c.wild@auckland.ac.nz

April 13–16: Cairns, Tropical North Queensland, Australia. Fourth International Conference on Statistics in Business and Industry: ISBIS-4. A satellite meeting to the ISI Session in Sydney. Conference Director, Nick Fisher nif@valuemetrics.com.au, **t** +61 407 017 016 **w** www.action-m.com/isbis4

April 23: Storrs, CT. The Nineteenth New England Statistics Symposium. Contact Professor Mig-Hui Chen, NESS, Department of Statistics, University of Connecticut, 215 Glenbrook Road, U-4120, Storrs, CT 06269-4120, **t** (860) 486-6984 for messages (860) 486-3414, **e** mhchen@stat.uconn.edu **f** (860) 486-4113. Register online **w** www.stat.uconn.edu

28 April: Keszthely, Hungary. EU Enlargement from a Business Perspective: First International Conference. **w** <http://www.eucenter.org/training/conference.php>

May 2005

May 14: University of California, Riverside. Bayes, Multivariate and CASM: A statistics conference in honor of Jim Press **w** <http://statistics.ucr.edu/Bayes.htm>

May 17–20: Brest, France. ASMDA2005: XI International Symposium on Applied Stochastic Models and Data Analysis. **w** <http://asmda2005.enst-bretagne.fr> Symposium General Chairs: JP Barthélemy, N Limnios and G Saporta. Information: asmda2005-organisation@enst-bretagne.fr

May 22–23: University of Maryland, College Park. First Interdisciplinary Symposium on Statistical Challenges and Opportunities in Electronic Commerce Research. **w** <http://www.smith.umd.edu/dit/statschallenges/> Contact: Wolfgang Jank **e** wjank@rhsmith.umd.edu


May 22–24: Newport, Rhode Island, USA. IEEE International Workshop on Genomic Signal Processing and Statistics (GENSIPS), 2005. **w** <http://binary.engineer.brown.edu/gspso5/index.htm> Contact: Aniruddha Datta **e** datta@ee.tamu.edu or Jie Chen **e** jie_chen@brown.edu

May 23–26: University of Siena, Italy. International Conference in Memory of Two Eminent Social Scientists: C. Gini and M. O. Lorenz. Contact Prof. Achille Lemmi, Chairman Organizing Committee:

June 2005

 June 1–3: Park City, Utah. 12th Annual Spring Research Conference on Statistics in Industry and Technology. Contact Shane Reese reese@stat.byu.edu. **w** <http://src2005.byu.edu/>

June 2–4: Villa Monastero, Italy. BISP4: 4th Workshop on Bayesian Inference in Stochastic Processes **w** <http://www.mi.imati.cnr.it/conferences/bisp4.html>

 June 8–14: Eger, Hungary. Fejér-Riesz Conference. **w** <http://www.math.u-szeged.hu/confer/fejér-riesz/Friesz.htm>

June 12–15: Saskatoon, Canada. SSC2005: Annual Meeting of the Statistical Society of Canada. **e** bickis@math.usask.ca

June 12–17: Jyväskylä, Finland. The 5th International Conference on Robust Statistics. **w** <http://www.stat.jyu.fi/icors2005> **e** icors@maths.jyu.fi

Continued on page 38

International Calendar continued

June 14–18: University of Southern California, Los Angeles. **Random Media and Stochastic Partial Differential Equations.**

Organizer: S Lototsky (lototsky@math.usc.edu). **w** <http://math.usc.edu>

June 15–18: Izmir University, Turkey.

Ordered Statistical Data: Approximations, Bounds and Characterizations.

Organizer: Ismihan Bayramoglu **e** ismihan.bayramoglu@ieu.edu.tr **w** http://dm.ieu.edu.tr/osd_2005

June 19–25: Bressanone-Brixen, Italy.

Computational and Statistical Aspects of Microarray Analysis (III). **w** <http://www.economia.unimi.it/marray> **e** stefano.iacus@unimi.it

June 20–24: Santa Fe, NM. **4th International Conference on High Dimensional Probability (HDP)** **w** <http://www.math.udel.edu/~wli/conf/hdp05/>

ims June 20–24: Hong Kong. **International Conference on Statistics in Honour of Prof Kai-Tai Fang's 65th Birthday** **w** <http://www.math.hkbu.edu.hk/Fang65>

ims June 21–24: Fairbanks, Alaska. **2005 WNAR/IMS Western Regional Meeting.** IMS Program Chair Thomas Lee. **w** <http://www.uaf.edu/wnar/>

June 26: University of California, Santa Barbara. **Workshop on Stochastic Models in Molecular and System Biology.** SPA05 satellite meeting. Organizer: Guillaume Bonnet, UCSB **e** bonnet@pstat.ucsb.edu **w** <http://www.pstat.ucsb.edu/projects/smmsb>

ims June 26–July 1: Santa Barbara, California. **2005 Conference on Stochastic Processes and their Applications.** IMS Rep Raya Feldman **w** <http://www.pstat.ucsb.edu/projects/spa05>

July 2005

NEW July 4–6: Leeds, UK. **LASR2005: Quantitative Biology, Shape Analysis and Wavelets.** **e** workshop@maths.leeds.ac.uk **w** <http://www.maths.leeds.ac.uk/statistics/workshop/>

NEW July 6–8: Ottawa, Canada. **13th INFORMS Applied Probability Conference.** Co-chair Doug Down **e** downd@univmail.cis.mcmaster.ca **w** <http://www.appliedprob.society.informs.org/ottawaconf.html>

July 7–8: University of New South Wales, Sydney Australia. **Recent Advances in Biostatistics, Bioinformatics and Markov Chain Monte Carlo.** Contact: biomcmc@maths.unsw.edu.au **w** <http://www.maths.unsw.edu.au/~scott/symposium>

ims July 9–11: Beijing, China. **The Joint Meeting of the Chinese Society of Probability and Statistics (CSPS) and IMS.** **w** <http://math.bnu.edu.cn/statprob/CSPS-IMS2005/index.html>

July 10–15: Sydney, Australia. **20th International Workshop on Statistical Modelling (IWSM2005).** **w** www.uws.edu.au/iwsm2005 **e** k.matawie@uws.edu.au

July 10–16: Daydream Island, Australia. **Stochastic Modelling of Complex Systems: SMOCS-05** **w** <http://www.conferences.unimelb.edu.au/smocs05/index.html>

NEW July 10–23: Cornell University, Ithaca, NY. **First Cornell Summer School in Probability** **w** <http://www.math.cornell.edu/~lawler/sum2005.html>

July 18–22: Mikulov, Czech Republic. **Perspectives in Modern Statistical Science III.** Organizers: Jana Jureckova (Charles University in Prague), Ivana Horova (Masaryk University, Brno). **w** http://www.math.muni.cz/workshop_2005

July 20–23: Carnegie Mellon University, Pittsburgh, PA. **ISIPTA05: 4th International Symposium on Imprecise Probabilities and Their Applications.** **w** <http://www.sipta.org/isipta05>

July 24–29: Oslo, Norway. **25th European Meeting of Statisticians (Bernoulli Society).** **w** <http://www.ems2005.no>

August 2005

ims August 2–6: University of Minnesota, Minneapolis. **8th North American New Researchers Conference.** **w** <http://pages.pomona.edu/~jsho4747/NRC/NRC.htm>

ims August 5–6: IMA, Minneapolis. **New Directions in Probability Theory.** IMS Program Chair Maury Bramson. **w** <http://www.imstat.org/meetings/NDPT05/>

NEW August 5–11: Budapest, Hungary. **Logic in Hungary.** **w** <http://www.renyi.hu/~lho5/>

ims August 7–11: Minneapolis, Minnesota. **IMS Annual Meeting at JSM2005.** IMS Program Chair: David Madigan madigan@stat.rutgers.edu; IMS Local Chair: Peihua Qiu, qiu@stat.umn.edu

NEW August 17–19: Shanghai, China. **MCP2005: 4th International Conference on Multiple Comparison Procedures.** **w** <http://www.stat.ohio-state.edu/~mcp2005>

September 2005

NEW September 15–16: ISPED, Bordeaux, France. **Workshop in Honor of Niels Keiding: Life history events analysis in epidemiology and fertility studies.** Daniel Commenges **e** daniel.commenges@isped.u-bordeaux2.fr **w** <http://www.isped.u-bordeaux2.fr/IFR99/ACCUEIL/FR-IFR99-Accueil.htm>


September 16–17: Carnegie Mellon University, Pittsburgh, PA. **Eighth Workshop on Case Studies In Bayesian Statistics.** **w** <http://www.stat.cmu.edu/bayes-workshop>


ims September 24 – October 2: Centro Majorana, Erice, Italy. **Workshop on Stochastic Methods in Game Theory.** IMS Rep: Marco Scarsini. **w** <http://web.econ.unito.it/scarsini/Erice2005/>

October 2005

NEW October 3–7: Bern, Switzerland. **Stochastic Geometry and its Applications.** **w** <http://www.cx.unibe.ch/~ilya/wbec>

March 2006

 March 14-17: Goethe University Frankfurt/Main, Germany. **German Open Conference on Probability and Statistics.** [w](http://stoch2006.math.uni-frankfurt.de/index_en.html) http://stoch2006.math.uni-frankfurt.de/index_en.html


 March 19-22: New Orleans, LA. 2006 **ENAR/IMS Spring Meeting.** IMS Program Chair TBA. [w](http://www.enar.org/meetings.htm) <http://www.enar.org/meetings.htm>

March 20-24, 2006: CIMAT, Guanajuato, Mexico. **Conference on Stochastics in Science, in honor of Ole E Barndorff-Nielsen's 71st Birthday.** Further information pabreu@cimat.mx


May 2006


May 28-31, 2006: London, Ontario. 2006 **Annual Meeting of the Statistical Society of Canada.** Local Arrangements Chair, David Bellhouse: Dept of Statistical & Actuarial Sciences, Western Science Centre, U of Western Ontario, London, Ontario, Canada, N6A 5B7, [e](mailto:bellhouse@stats.uwo.ca) bellhouse@stats.uwo.ca [t](tel:+15196613614) (519) 661-3614 [f](tel:+15196613813) (519) 661-3813. Scientific program chair Richard Lockhart [e](mailto:lockhart@sfu.ca) lockhart@sfu.ca

July 2006

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

July 3-6: Auckland, New Zealand. **Australian Statistics Conference & New Zealand Statistical Association Conference.** David Scott [e](mailto:d.scott@auckland.ac.nz) d.scott@auckland.ac.nz

 July 16-21: Montreal, Quebec, Canada. **XXIII International Biometric Conference (IBC2006).** [w](http://www.ibc2006.org) <http://www.ibc2006.org>


 July 17-21, 2006: Paris, France. **Stochastic Processes and Applications XXXI.** IMS reps: E Perkins, J Pitman, P Protter, A Sznitman, S Tavaré and E Waymire. [w](http://www.proba.jussieu.fr/pageperso/spao6/index.html) <http://www.proba.jussieu.fr/pageperso/spao6/index.html>

August 2006

 August 6-10: Washington, Seattle. **JSM2006.**

August 28 – September 1: Rome, Italy. **COMPSTAT2006: 17th Conference of the International Association for Statistical Computing.** [w](http://w3.uniroma1.it/compstat2006) <http://w3.uniroma1.it/compstat2006> [e](mailto:compstat2006@uniroma1.it) compstat2006@uniroma1.it

April 2007

 April 15-18: Miami, FL. 2007 **ENAR/IMS Spring Meeting.** IMS Program Chair

TBA. [w](http://www.enar.org/meetings.htm) <http://www.enar.org/meetings.htm>


August 2007

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

August 2008

 August 3-8: Denver, CO. **JSM2008.**

August 2009

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

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