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IMS Elections: time to vote

Goodness, is that the time? Yes, it's elections again: time to vote for the IMS President-Elect and five IMS Council members.

The candidate for President-Elect is **Hans R. Künsch**. Ten candidates are standing for five places on Council. They are **Mathias Drton**, **Sandrine Dudoit**, **Steve Evans**, **James Allen (Jim) Fill**, **Paul Gustafson**, **Byeong U. Park**, **Sonia Petrone**, **Christian P. Robert**, **Remco van der Hofstad**, and **Qiwei Yao**. You can read all about them on pages 10–15 of this issue.

Online voting is encouraged, though paper ballots are also accepted. All IMS members will be sent their voting information via email and postcard. If you're reading the paper version of this *Bulletin*, your member ID was printed on the plastic wrapper it came in. If you prefer a paper ballot, or don't know your member ID, please contact Elyse Gustafson, IMS Executive Director, erg@imstat.org.

Cast your vote online at <https://secure.imstat.org/secure/vote2011/vote2011.asp>

IMS COUNCIL ELECTIONS 2011

VOTING IS OPEN UNTIL JUNE 18
[HTTP://IMSTAT.ORG/ELECTIONS/](http://imstat.org/elections/)

Contact information

IMS Bulletin Editor: Dimitris Politis
Assistant Editor: Tati Howell
Contributing Editors: Peter Bickel, Anirban DasGupta, Rick Durrett, Nicole Lazar, Terry Speed

To contact the IMS Bulletin:

✉ **IMS Bulletin**
2 Lampern View, Uley, Dursley
GL11 5TD
UK

e bulletin@imstat.org

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

✉ **IMS Dues and Subscriptions Office**
9650 Rockville Pike, Suite L3503A
Bethesda, MD 20814-3998
USA

t 877-557-4674 [toll-free in USA]
t +1 216 295 5661 [international]
f +1 301 634 7099
e staff@imstat.org

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

✉ **Executive Director, Elyse Gustafson**
IMS Business Office
PO Box 22718, Beachwood
OH 44122, USA
t 877-557-4674 [toll-free in USA]
t +1 216 295 5661 [international]
f +1 216 295 5661
e erg@imstat.org

Executive Committee

President: Peter Hall
president@imstat.org
President-Elect: Ruth Williams
president-elect@imstat.org
Past President: J. Michael Steele
president-past@imstat.org
Treasurer: Jean Opsomer
jopsomer@stat.colostate.edu
Program Secretary: Guenther Walther
walther@stat.stanford.edu
Executive Secretary: Marten Wegkamp
wegkamp@stat.fsu.edu

IMS Members' News

Joseph Glaz, Professor and Associate Head of the Department of Statistics at the University of Connecticut, and a Fellow of IMS, has been elected to the Connecticut Academy of Arts and Sciences. The Connecticut Academy of the Arts and Sciences is the third-oldest learned society in the United States. Its purpose is the dissemination of scholarly information. For the past 200 years, the Academy has fulfilled this mission through lectures and extensive publications.



Joseph Glaz

Honorary Degree awarded to C R Rao

C.R. Rao was awarded an honorary degree of Doctor of Science at the first convocation of the Jawaharlal Nehru Technical University, Kakinada, India. This is the thirty-third honorary degree he has now received, from universities in 18 countries spanning six



continents. Professor Rao delivered the convocation address on "The role of statistics as the key technology of the future."

Jeff Wu to deliver COPSS Fisher Lecture at JSM in Miami

The 2011 Committee of Presidents of Statistical Societies (COPSS) has named **C.F. Jeff Wu**, Professor and Coca Cola Chair in Engineering Statistics at Georgia Institute of Technology, to deliver the Fisher Lecture at the Joint Statistical Meetings in Miami. His lecture, "Post-Fisherian Experimentation: from Physical to Virtual," will be on Wednesday August 3, 4pm. You can read more about Professor Wu and the Fisher Lecture on page 6.

JCGS now free online to IMS members

The *Journal of Computational and Graphical Statistics (JCGS)* is now free online to IMS members. Shortly, you will receive details that outline how to set up your free access.

JCGS is celebrating its twentieth year of publication in 2011. Its editor is Richard Levine. *JCGS* works to improve and extend the use of computational and graphical methods in statistics and data analysis. It contains cutting-edge research, data, surveys, and more on numerical methods, graphical displays and methods, and perception. Articles are written for readers who have a strong background in statistics, but are not necessarily experts in computing.

See <http://www.amstat.org/publications/jcgs.cfm> for more information about the journal.



Tweedie Award winner: Hui Zou

As we reported in the last issue, the IMS Travel Awards Committee have selected Dr. Hui Zou, Associate Professor of Statistics at the University of Minnesota, as recipient of this year's Tweedie New Researcher Award. He will be presenting his Tweedie New Researcher Invited Lecture at the IMS New Researchers' Conference, held this year in Miami, Florida, USA in July (details to follow). Hui answers a few questions:



Hui Zou

Please tell us a little about your research.

I have done some work on sparse learning and variable selection. I am currently working on some problems in covariance matrix estimation and graphical models.

How did your undergraduate work in physics prepare you for your research in statistics?

The problem-solving skills I learned from physics have been very helpful to my research. Statistics and physics have a lot in common, especially the modeling part. In physics the theoretical truth is the simplest model that can best explain experiments and predict unobservable events. I believe in this scientific philosophy and that is also why I have strong interests in predictive modeling.

How important do you think mathematics is for the fruitful development of novel statistical methods?

Deep mathematical results are often the sources for new statistical methodology. For example, the lasso and other sparse shrinkage techniques were inspired by two fundamental theoretical achievements: Stein's shrinkage estimation and Donoho and Johnstone's pioneering work on wavelet thresholding.

In your 2008 Science Watch interview, you said: "The current variable selection methods often assume some strong model structures. We need new methodology and theory to help remove such rigid assumptions." Has any work been done in that direction? Are there any applications of such variable selection in the nonparametric context?

There have been some recent papers discussing the use of penalization methods for variable selection in semiparametric models, such as varying coefficient models, partially linear models and generalized additive models.

What does winning the Tweedie New Researcher Award mean to you?

It is a tremendous honor for me to receive the Tweedie Award. I will take this award as encouragement to continue doing good research.

Richard Tweedie mentored and encouraged young colleagues. Who have your mentors been, and how have they encouraged you?

I have been very fortunate to learn a great deal from my mentors: Trevor Hastie, Rob Tibshirani, Brad Efron, Xiaotong Shen and Yuhong Yang. They gave me strong support and important career development advice.

Who would be the guests at your ideal dinner party, and why?

Let me borrow a phrase from Efron. The ideal statistician guest would be R.A. Fisher *in the twenty-first century*, because I would like to hear what Fisher would say about contemporary statistics. For a non-statistician guest I'd pick Charlie Chaplin, the best comic actor ever and one of the greatest minds in the twentieth century. "The Great Dictator" is a timeless classic.

IMS Editors

IMS Journals and Publications

Annals of Statistics: Peter Bühlmann and Tony Cai
<http://imstat.org/aos>

Annals of Applied Statistics: Bradley Efron, Stephen Fienberg, Michael Stein, Karen Kafadar & Samuel Kou
<http://imstat.org/aoas>

Annals of Probability: Ofer Zeitouni
<http://imstat.org/aop>

Annals of Applied Probability: Andrew Barbour
<http://imstat.org/aap>

Statistical Science: Jon Wellner
<http://imstat.org/sts>

IMS Lecture Notes – Monograph Series
<http://imstat.org/publications/lecnotes.htm>

IMS Collections
<http://imstat.org/publications/imscollections.htm>

NSF-CBMS Regional Conference Series in Probability and Statistics:
<http://imstat.org/publications/nsf.htm>

IMS Co-sponsored Journals and Publications

Electronic Journal of Statistics: David Ruppert
<http://imstat.org/ejs>

Electronic Journal of Probability: Bálint Tóth
<http://www.math.washington.edu/~ejpecp>

Electronic Communications in Probability:
 Timo Seppäläinen
<http://www.math.washington.edu/~ejpecp/ECP/index.php>

Current Index to Statistics: George Styan
<http://www.statindex.org>

Journal of Computational and Graphical Statistics:
 Richard Levine
<http://www.amstat.org/publications/jcgs>

Statistics Surveys: Lutz Dümbgen
<http://imstat.org/ss>

Probability Surveys: Geoffrey Grimmett
<http://imstat.org/ps>

IMS Supported Journals

Annales de l'Institut Henri Poincaré (B): Alice Guionnet
<http://imstat.org/aihpc>

Bayesian Analysis: Herbie Lee
<http://ba.stat.cmu.edu>

Bernoulli: Richard Davis
<http://isi.cbs.nl/bernoulli>

Brazilian Journal of Probability and Statistics: Silvia Ferrari
<http://imstat.org/bjps>

IMS Affiliated Journals

ALEA: Latin American Journal of Probability and Statistics:
 Claudio Landim
<http://alea.impa.br/english>

Probability and Mathematical Statistics: M. Musiela,
 J. Rosiński, W. Szczołka, A. Weron &
 W.A. Woyczyński
<http://www.math.uni.wroc.pl/~pms>

Other IMS contacts

IMS website: <http://imstat.org>

Managing Editor: Michael Phelan
phelanm@uci.edu

Production Editor: Patrick Kelly
pkelly@wharton.upenn.edu

Rick's Ramblings: Proofiness

Extra-Sensory Pornography and mathematical abuses?
Rick Durrett investigates...

ACCORDING to respected social psychologist and Cornell emeritus professor Daryl Bem, undergraduates have “ESP” when it comes to finding porn. In his experiment, subjects saw two curtains on a computer screen and had to guess which of the two had an erotic picture behind it. They succeeded 53% of the time, an event with probability $< .01$ if the subjects were guessing randomly.

It is not clear what this very weak form of ESP is good for, but it led to an interesting article in the 21 January issue of *Science*. (Some of you may have seen this in the *New York Times* or seen Bem on the Colbert Report.) Typical of stories on math in such high profile magazines, on page 272 there is a picture with a translucent head and wavy lines emanating from it and a picture of Bayes' formula as a backdrop. The caption proclaims, “In the wake of a controversial paper about ESP, some statisticians are arguing that social scientists should use statistical methods based on Bayes' theorem.” But at the end of the article the writer concludes, “Enthusiasm for Bayesian statistics has come and gone over the years. They've been used in many fields from astronomy to clinical trials but have replaced the standard statistics in only a few.” I guess it is time to throw the Bayesians in the Old Chemistry Building at Duke out on their posteriors.



"It doesn't matter that your thesis is on extra-sensory perception, you still can't cite mind-reading in your references!"

Although the ESP article grabbed the first two paragraphs, the star of this column is the book *Proofiness: The Dark Arts of Mathematical Deception* by Charles Seife (\$25.95 from Viking Press). I made the mistake of picking this book one night when I went to bed and was up half the night reading the first 200 pages. I have been collecting probability examples for many years, but this book showed me a number of good new ones.

In 2005, anthropologists published a study in *Nature* of wrestling, boxing, and taekwondo matches in the 2004 Olympics. In these matches one athlete wears red and the other wears blue (assigned randomly?), but the contestant in red won roughly 55% of the time. To explain this, the authors cited a paper where experimenters put red bands on zebra finches causing them to act more dominant. The effect didn't last. In the 2008 Olympics blue won more often than red. If you want an example of the color blue causing aggression just watch a Duke–UNC basketball game.

Fitting straight lines to data is always good for a few laughs. In a 2004 *Nature* paper which Seife says was “written by a motley collection of zoologists, geographers, and public health experts” performance of men and women in the 100-meter dash was analyzed. The surprising conclusion was that women would surpass men in 2156, completing the race in a mere 8 seconds. Given that the prediction will not come true for 140 years we cannot say for certain that it is false. However, for a 1992 study of men's and women's times in the marathon the game is already over. Based on a similar analysis they predicted that in 1998 women would first beat men and in a time of 2:01:59. However the women's gold medal in the 2000 Olympics was awarded for a time of 2:23:14. The male gold medal winner was 13 minutes faster but still 8

minutes short of the predicted time. If one fits exponentials instead of straight lines the results become more sensible.

Some of the stories are sad. In 1983 the Air Force commissioned a study to calculate the risk that the new space shuttle launch system would explode during launch. They came up with a figure of $1/35$. This number was unacceptably large so NASA disregarded the study and instead relied on “the judgment of its engineers” to produce an estimate of 1 in 100,000. This small probability was more comforting... until January 28, 1986, when Challenger exploded on the twenty-fifth shuttle launch.

The book has a number of other examples, such as the tight linear relationship between the deficit and the number of brain tumors. Depending on your politics you can jeer at Bush manipulating the data in support of No Child Left Behind or at Al Gore for ignoring some inconvenient truths in his analysis of global warming.

Of course, not all of the material in the book is new. One finds the familiar stories of exit polls, the *Literary Digest* poll, and the sad story of Sally Clark convicted of murder due to the fact that having two children die of what the British call “cot death” is a 73 million-to-one shot. However, even in these familiar stories there are details I did not know, and Seife continues with the stories of the Truman versus Dewey election, hanging chads in Florida, and subprime mortgages. The last three stories don't involve much math beyond arithmetic, but they are still interesting to read.

All in all the book almost lives up to the hype on its cover: “Bad math is being used to bring down government officials and to elect new ones in their place, to convict innocent people or to acquit guilty ones, and to fix the outcomes of future elections. In short, bad math is undermining democracy.”

Statistician ranked as fourth best job

North American jobs website CareerCast.com has published its 2011 Jobs Rated report, and readers may not be surprised to learn that they ranked statistician as the fourth best job of 2011. Coming in after software engineer, mathematician and actuary, statistician beats 195 other jobs. (You may consider yourself fortunate not to be a roustabout on an oil rig—rated the worst job for the second year running. Though if any readers are also working as roustabouts, please write and tell us!)

According to the website, “In recent years, the job market has increasingly rewarded math whizzes [sic] at the expense of less technical professionals. Actuary, mathematician and accountant have all ranked among the best jobs in America by offering a pleasant work environment, good salary and healthy job security. But in 2011, as the emergence of specialized technologies creates new industries, landing the year’s best job requires not just skill with numbers, but a strong knowledge of computers too.”

The top four jobs, with their overall scores and average incomes, are

1. Software Engineer (score: 60.00; income: \$87,140.00)
2. Mathematician (score: 73.00; income: \$94,178.00)
3. Actuary (score: 123.00; income: \$87,204.00)
4. Statistician (score: 129.00; income: \$73,208.00)

“Probabilist” is not listed as one of the 200 possible jobs (but then again, neither is chef, or graphic designer—this list is not exhaustive).

CareerCast.com explain how they determined the top 200 jobs of 2011. “In order to quantify and rank the many different aspects



of all 200 jobs listed in the 2011 Jobs Rated report, researchers reviewed various critical aspects of each profession to identify general categories that are inherent to every job. These were categorized into five ‘core criteria’: environment, income, outlook, stress and physical demands.” Details about the methodology are listed at <http://www.careercast.com/jobs-rated/2011-jobs-rated-methodology>

Continuing a recent trend, a majority of the jobs that rank in the top 10 this year require proficiency in math, science or technology, and all of them require higher education or specialized training. There are 1,724 jobs in US and Canada listed with the keyword “statistician” at the time of writing. Someone is hiring...

Do you think you have the best job? Would you advise your kids to follow a career in statistics? What would you be doing if you weren’t doing this? What do *you* think is the best job? Write in and tell us! bulletin@imstat.org

Association for Women in Math offers travel grants

The next deadline for the AWM/NSF Travel Grant is May 1, 2011. The Association for Women in Mathematics travel program supports these opportunities for women:

- 1 Travel Grants in mathematics, for women mathematicians attending mathematics conferences.
- 2 Travel Grants for women mathematicians attending a mathematics education research conference.
- 3 Travel Grants for women mathematics education researchers attending a mathematics conference.

For complete eligibility and application details please visit <http://www.awm-math.org/travelgrants.html>. All applications are now submitted via an online system.

The Travel Grant Program is sponsored by the National Science Foundation Division of Mathematical Sciences (DMS).

Please consider taking advantage of this opportunity yourself, if you are eligible, and encourage your eligible colleagues to apply.

Association for Women in Mathematics

11240 Waples Mill Rd., Suite 200

Fairfax, VA 22030

t 703-934-0163 x213

f 703-359-7562

e jennifer@awm-math.org



COPSS Fisher Lecture: C. F. Jeff Wu

Michael Newton, Chair of the COPSS Fisher Lecture Committee, and Hugh Chipman, Professor of Mathematics and Statistics, Acadia University, write:

The 2011 Committee of Presidents of Statistical Societies (COPSS) has selected C.F. Jeff Wu, Professor and Coca Cola Chair in Engineering Statistics at Georgia Institute of Technology, to deliver the Fisher Lecture at the Joint Statistics Meetings in Miami.

Wu's research contributions span the full range of statistics, from theory to application, and touch many applied domains, from sample surveys to nanotechnology. They are notable for their combination of novelty, technical strength, and far reaching vision. He has made especially significant contributions to experimental design. As one of his supporters wrote, "In view of Professor Wu's contribution to design of experiments, it is particularly fitting for him to deliver a lecture that honors R.A. Fisher, commonly regarded as father of the modern theory of experimental design."

Wu was born in Taiwan and received his BS degree in mathematics from National Taiwan University in 1971. After two year's compulsory military service, he came to the US to study at the University of California, Berkeley and received his PhD in statistics in 1976. He spent his formative years at the University of Wisconsin, Madison, from 1977 to 1988; then moved to the University of Waterloo as the first holder of the GM/NSERC Chair in Quality and Productivity in 1988–93. He spent 10 years at the University of Michigan, Ann Arbor, before joining Georgia Institute of Technology, where he holds the Coca Cola Chair in Engineering Statistics in the School of Industrial and Systems Engineering.

Wu is a highly accomplished scientist and mentor. He is Fellow of four major societies: the American Statistical



Jeff Wu will deliver his COPSS Fisher Lecture at JSM on Wednesday August 3 at 4pm. Its title is *Post-Fisherian Experimentation: from Physical to Virtual*.

Association, the Institute of Mathematical Statistics, the Institute for Operations Research and Management Sciences, and the American Society for Quality, and he is an elected member of the National Academy of Engineering. He has published one textbook, one research monograph and more than 145 refereed papers in top journals, and has given distinguished lectures at numerous universities and conferences around the world. He was previously recognized with the COPSS Presidents' award, and in 2007 received the ASQ's Shewart medal for "outstanding technical leadership in the field of modern quality control". His work on applications has received recognition, including the Wilcoxon award and the Jerome Sacks award. He has served as the doctoral advisor for 35 PhD students, 29 of whom are now professors or research scientists at national labs.

Wu is well known for his wide-ranging research in the planning, analysis, and interpretation of statistical studies. Common themes in much of his work are the seed of a substantive scientific problem, the development of novel statistical models, the study of relevant statistical properties of the models, and the development of algorithms that enable models to be estimated and used by scientists to optimize processes and make

decisions. Wu has made numerous significant contributions to statistical theory, including definitive proof of convergence of the EM algorithm. His work on resampling methods rekindled research activity in the jackknife and bootstrap, and their practical application in surveys. For instance, his work with Jon Rao on the bootstrap is now used for almost all Statistics Canada surveys.

Wu has made significant contributions to the theory of the design of experiments, and more broadly to industrial statistics. He revolutionized experimental design by developing a modern system based on minimum aberration and nonregular designs. His work in industrial statistics has been at the forefront of a US quality revolution that began in the 1980s. A common theme is the development of novel designs and models with a sound statistical basis, which can be used to efficiently extract maximal information in industrial problems where time is short, physical processes are complex, and every experimental run is costly. The genesis of much of this work comes from his extensive consulting collaborations with companies such as AT&T, Ford, GM, Pfizer and many others.

A hallmark of his industrial work is the use of statistical design and analysis to solve a substantive applied problem. This pattern continues to be evident in recent work that utilizes ideas from Taguchi's robust parameter design to optimize the synthesis of nanostructures. His work on nanomaterials illustrates the type of research embodied by Fisher: close collaboration with scientific researchers, development of novel statistical methodology for the collection and analysis of data, and informed decision making in the engineering process. These contributions mark Wu as an innovator in the Fisher style and make him a worthy choice to deliver the lecture named in Fisher's honor.

Sir Adrian Smith: a personal tribute

David Spiegelhalter writes: Recently knighted for public services and higher education, Sir Adrian Smith has made extraordinary contributions to international statistics, and the academic and scientific life of the UK. Adrian grew up in Devon in the south-west corner of England, in a fading seaside town that had seen better days, but this did not prevent him from going to Cambridge to study mathematics. His PhD was with Dennis Lindley at University College London during the exciting political days of 1968 to 1971, which were also exciting times for Bayesian statistics. Out of his thesis came the hugely-influential 1972 paper *Bayes Estimates for the Linear Model* by Lindley and Smith, which really put hierarchical models on the map.

In 1971 he became a Research Fellow in Mathematics in Keble College Oxford, and that's where our paths first crossed as I was one of his first students, being 18 and also from Devon. The Oxford system requires college fellows to give tutorials and so a small group of us were privileged to experience Adrian's informal approach to tuition, which seemed to mainly involve drinking sherry while arguing with increasing volubility about the appropriate solutions to problems. This in spite of his medieval role of "Moral Tutor" to his students.

His enthusiasm for vigorous, if not violent, debate about the underlying principles of statistics—at that time he was translating de Finetti's *Theory of Probability*—inspired me to continue studying the subject in spite of the paralysing dullness of the Oxford second-year syllabus, and his electrifying third-year course on decision theory put me on a career course from which I have not wavered.

In 1974 Adrian returned to UCL and I followed as his second PhD student—there would be 50 more. This was a challenging and sometimes confrontational time in

statistics: Dennis Lindley, Philip Dawid and Adrian at UCL and David Cox at Imperial brought the inter-collegiate statistics seminars to life. In 1977 Adrian got the chair at Nottingham at the tender age of 29, where he stayed for 13 years, nurturing many Bayesian researchers, and being instrumental in establishing with José Bernardo the Valencia Bayesian conferences. These started in 1979 on a small scale, but soon developed the reputation for hard academic discourse followed by, if anything, even harder partying, with Adrian in the forefront of both, although he always managed to remain aloof from the cabaret. He was at the centre of a wide international circle of Bayesian enthusiasts, generous with his encouragement and assistance, and trainer of a generation of future leaders around the world.

A sabbatical by Al Gelfand to Nottingham gave rise to one of the most influential papers in modern statistics, "Sampling-based approaches to calculating marginal densities" in *JASA*, 1990. Suddenly everyone was sampling everything, and the whole of Bayesian statistics lurched into the modern era and spread its influence through topic after topic. This coincided with Adrian's move to Imperial College where he stayed between 1990 and 1998, during which the long-awaited (especially by the publisher) *Bayesian Statistics* by Bernardo and Smith finally arrived, and he served as President of the Royal Statistical Society between 1995–1997.

In 1998 he took over as Principal of Queen Mary College in the University of London, and oversaw its development into one of the major UK academic institutions. And then in 2008 he became Director General, Science and Research in the Department of Business, Innovation and Skills (at least that's the Department's current name, but may change without

warning). This is a post of immense influence but, in contrast to his previous high-profile positions, is carried out behind the scenes, making full use of the political and organisational skills that Adrian has honed throughout his career. Who knows what really goes on in the murky depths of the UK Civil Service, but the fact that the science budget has been largely protected from the drastic cuts currently being made in public expenditure is certainly associated with his presence, and quite possibly indicates causation.

Adrian has, of course, been rewarded with honours, medals and Fellowship of the Royal Society, but I find his public service particularly impressive. Examples include a stint on the UK Transplant Management Committee, Governor of the London Business School, Governor of St George's Hospital Medical School, and countless Research Council committees and boards. Most notable perhaps is his report into Post-14 Maths Education in 2004 which is repeatedly referenced and is, if anything, increasing in influence, while his 2007 report on Crime Statistics was a model of managing to bring disparate opinions to a common strong conclusion.

Despite all this hobnobbing with the great and the good, Adrian has retained a refreshingly sceptical approach to authority. I have learnt many things from him, but will always remain in awe of his political skills, and his mischievous delight at a brewing conflict.

Adrian Smith as the COPSS Fisher Lecturer in 2003



OBITUARY: Igor Vajda

1942–2010

IGOR VAJDA, Principal Researcher at the Institute of Information Theory and Automation (ÚTIA) of the Academy of Sciences of the Czech Republic in Prague, and a leading figure in the field of information-theoretic statistical inference, passed away unexpectedly on May 2, 2010, after a short illness. He was born on October 20, 1942, in Martin, Czechoslovakia. After attending elementary and secondary school in Slovakia, he graduated in mathematics at Czech Technical University (CTU) in Prague in 1965, and received Candidate of Science and Doctor of Science degrees from Charles University in 1968 and 1990, respectively, with specializations in probability, statistics and mathematical informatics. He had been a key researcher at ÚTIA since 1965 and held a teaching position at CTU since 1969. For many years he was head of the Department of Stochastic Informatics of ÚTIA and served on the Scientific Boards of both ÚTIA and the Faculty of Electrical Engineering of CTU.

Although Igor Vajda had little opportunity to travel before 1989, apart from a one-year stay in Moscow in the 1960s and a two-year teaching appointment in Cairo in the 1970s, he developed many contacts abroad, especially in Western Europe, after the political changeover in Czechoslovakia in 1989. He held many research grants since 1991, and vigorously cooperated in research with colleagues in Austria, Belgium, Denmark, France, Germany, Hungary, Spain and the USA in the period 1991–2010.

Igor Vajda was a passionate researcher, always exploring new ideas. He early recognized the meaning of different types of distances between distributions in information theory and mathematical statistics. His

results were respected by the scientific community at large and influenced the research orientation of many of his younger colleagues. In his scientific work he continued the traditional Prague school of information theory which dates back to the early 1950s.

One of his major research directions was the investigation of f -divergences $D_f(P||Q) = \int qf(p/q)d\mu$ of distributions P and Q with densities $p = dP/d\mu$ and $q = dQ/d\mu$, and their statistical applications. In early papers he studied the relations between f -divergences and variational distance, the approximation, monotonicity, topological properties of f -divergences and their minimization under constraints. Of particular interest to him was the subclass of power divergences. A first systematic theory of f -divergences was presented in the book *Convex Statistical Distances* by F. Liese and I. Vajda (Teubner, 1986), with applications to hypothesis testing, minimum distance estimation, and random processes.

Igor Vajda's book *Theory of Statistical Inference and Information* (Kluwer, 1989) (a first version of which was published in Slovak language in 1982) provides a comprehensive treatment of the theory of statistical inference and information. It is unique in the field and contains a wealth of research results. This book has become an indispensable source of reference for researchers in the field and a source of inspiration for much research carried out since its appearance.

Igor Vajda used special f -divergences such as χ^2 -distances and Hellinger integrals to establish lower or asymptotic lower bounds in estimation and testing problems, thereby generalizing the Cramér-Rao bound and the theorems of Chernoff and Stein. The extension of the likelihood ratio



Igor Vajda

statistic to divergence-based statistics for testing composite hypotheses was also the subject of many papers of which Igor Vajda was the author or a co-author.

In order to compare the empirical distribution \hat{P}_n with the theoretical distribution P_θ from a parametric model, one has to turn to a sequence of partitions of the sample space. Igor Vajda and co-authors characterized the suitable speed of refining, and studied sequences of partitions generated by the quantile function.

Another favorite topic of Igor Vajda, closely related to the above one, was divergence-based estimation and testing in mathematical statistics. He used the distance $D_f(\hat{P}_n||P_\theta)$ between the empirical distribution \hat{P}_n and the true distribution P_θ to introduce the minimum divergence estimator $\hat{\theta}_n = \arg \min_{\theta \in \Theta} D_f(\hat{P}_n||P_\theta)$ and to construct the statistic $T_n = \min_{\theta \in \Theta} D_f(\hat{P}_n||P_\theta)$ for testing a parametric hypothesis and for goodness-of-fit tests. He and co-authors were able to show that f -divergence based estimates have similar properties as the maximum likelihood estimator. These results, as well as the efficiency in the Pitman and Bahadur sense and large deviation results on tests based on T_n , were the subject of many papers of which Igor Vajda was the author or a co-author.

Arguments that are employed to establish the consistency of minimum divergence estimators were used by Igor Vajda to formulate necessary and sufficient conditions for the consistency of M -estimators and to construct robust estimators in regression models.

Igor Vajda recognized early on the importance of the Barron distribution estimator, originally introduced for the consistent nonparametric estimation of an unknown probability distribution in the sense of information divergence and variational distance. In a series of papers, he and co-authors proved many other results concerning this estimator, such as consistency in chi-square divergence, and applied it to parametric point estimation and density estimation as well.

Starting 2001, Igor Vajda developed a general theory of goodness-of-fit tests based on spacings from the viewpoint of disparity statistics. In joint work he showed that essentially all spacings-based statistics are asymptotically equivalent to a disparity statistic and proved limit laws for this class of statistics, with special attention to power divergence statistics, thereby obtaining closed-form expressions for the asymptotic parameters.

In recent papers Igor Vajda studied the Bregman distance and estimators based on it, which provide the flexibility to find a compromise between efficiency and robustness of estimators.

Igor Vajda also worked in applied areas such as the statistical analysis of optimal investments, financial mathematics, biostatistics, and stochastic systems and networks.

Igor Vajda was an author or co-author of four monographs and more than 100 publications in renowned international

journals. He had more than 300 officially registered citations. Although he worked with many people during his long scientific career, we mention some of those with whom he co-authored most of the research described above and published since 1991: A. Berline, L. Györfi, F. Liese, M. Menéndez, D. Morales, F. Österreicher, L. Pardo, and E. van der Meulen. His recent collaborators include M. Broniatowski, P. Harremoës, T. Hobza, M. C. Pardo, and W. Stummer.

His work was awarded, among other distinctions, the Prize of the Czech Academy of Sciences, the Jacob Wolfowitz Prize, the Medal of the Merits of the First Degree from the Faculty of Nuclear and Physical Engineering of CTU and several Annual Prizes awarded by the Director of ÚTIA for the best paper of the year, the last one in 2007. In November 2010, at a special Colloquium held in his memory at Prague, Igor Vajda was honored posthumously with the Bolzano Medal from the Academy of Sciences of the Czech Republic.

The high quality of his scientific results and the intensity of his international cooperation are expressed by the fact that since 1991 Igor Vajda obtained six research grants from the Czech National Grant Agency, one from the European Union (Copernicus), and one from the NSF of the USA. He participated as a co-investigator in several other grants. Since 1990 Igor Vajda was a Member, and since 2001 a Fellow, of the IEEE. He was a visiting professor at Katholieke Universiteit Leuven, Complutense Universidad Madrid, Université de Montpellier, and M. Hernández Universidad, Alicante.

Igor Vajda supervised many diploma projects and guided several PhD students

both at home and abroad. He was a co-editor of the journals *Kybernetika*, *Problems of Control and Information Theory*, *Applications of Mathematics*, *Statistics and Decisions*, *Revista Matemática Complutense*, *Journal of Statistical Planning and Inference*, and *Test*.

Igor Vajda loved his native land Slovakia and visited it regularly throughout his life. His ashes are buried in Moravia, at the historic cemetery of Střílky, not far from Brno. He is survived by his wife Zdenka, his two daughters Tereza and Veronika, and four grandchildren.

Igor Vajda was a man of many ambitions and achieved a lot in his life. He worked tirelessly and inspired many. He enjoyed working with others. With him we lost a great friend and fine colleague. We all owe him much, miss him, and will honor his memory.

*Martin Janzura, ÚTIA, Prague
Friedrich Liese, University of Rostock
Edward van der Meulen, K. U. Leuven*

Joint Statistical Meetings in Miami Beach, FL

<http://amstat.org/meetings/jsm/2011/>

Online program available
now. Registration
and housing
reservations
open April 28.



IMS Elections 2011: candidate information

President Elect Nominee (*one candidate*)

Hans R. Künsch

Professor, Department of Mathematics,
Seminar für Statistik, ETH Zürich

Education: PhD, ETH Zürich, 1980; Dipl.
Math., ETH Zürich, 1975

Research Interests

- Spatial statistics and random fields: geostatistics, intrinsic models, image analysis, space-time models
- Time series analysis: long range dependence, bootstrap methods for dependent data, general state-space models
- Environmental modeling: soil, climate, aquatic systems
- Stochastic simulation
- Robust statistics and model selection

Previous Service to the Profession

- Member Committee to Select Editors 2006–09 (chair 2008–09)
- Member Committee on Publications, 2002–05 (chair 2004–05)
- Member Council, 2003–2005



- Co-editor, *Annals of Statistics*, 1998–2000 (with Jim Berger)
- Associate Editor, *Annals of Statistics*, 1987–91 and 1995–97

Brief Statement

The IMS plays an important and influential role in the development of statistics and probability through its journals and other publications, its meetings, the awards and honors it confers, and through the cooperation with other scientific societies. It has dealt successfully with a number of challenges like expanding the scope of our publications, becoming a truly international association and taking the necessary steps to preserve the financial basis for the future. I am honored and excited to be nominated for President-Elect. I feel I still have to learn a lot, but I will seek the support and input from the Executive Committee, the Council, and the various committees in order to continue the success story of IMS and keep it going strong.

Web

<http://stat.ethz.ch/~kuensch/>

Council Nominees (*ten candidates for five places on Council*)

Mathias Drton

Associate Professor, Statistics,
The University of Chicago

Education

Ph.D., University of Washington, Seattle,
U.S.A., 2004; Diplom, Universität
Augsburg, Germany, 2000; DEA, Université
Paul Sabatier, Toulouse, France, 1999

Research Interests

- Graphical models
- Algebraic statistics

Previous Service to the Profession

- Associate Editor, *Annals of Statistics*, 2008–
- Associate Editor, *JRSS B*, 2007–11
- IMS Special Lectures Committee, Chair, 2011
- IMS Special Lectures Committee, Member, 2009–2010

Brief Statement

The IMS has been my academic home ever since I joined as a graduate student. Through its outstanding journals, meetings, and guidance to young researchers it has also played an important role in the professional development of many of my academic friends. If elected to the Council, I will work to further promote the



wonderful recent additions to the society's journals, to continue the great mentorship the society provides to junior researchers, and to strengthen the society's international presence.

Web

<http://www.stat.uchicago.edu/~drton/>

Sandrine Dudoit

Professor, Division of Biostatistics and
Department of Statistics, University of
California, Berkeley

Education

BSc, Department of Mathematics and
Statistics, Carleton University, Ottawa,
Canada, 1992; MSc, Department of
Mathematics and Statistics, Carleton University, Ottawa, Canada,
1994; PhD, Department of Statistics, University of California,
Berkeley, 1999

Research Interests

- Loss-based estimation with cross-validation: parametric and non-parametric density estimation and regression, variable selection
- Multiple hypothesis testing



- Exploratory data analysis
- Statistical computing
- Analysis of high-throughput microarray and sequencing data

Previous Service to the Profession

- Associate Editor, *Annals of Applied Statistics*, Summer 2006–Present
- Associate Editor, *Biology Direct*, Spring 2006–Present
- Associate Editor, *Biometrics*, July 1, 2009 – December 1, 2009
- Section Editor, *BMC Bioinformatics - Transcriptome Analysis*, Fall 2009–Present
- Associate Editor, *BMC Bioinformatics*, Spring 2005–Fall 2009
- Associate Editor, *Genomics*, Summer 2006–Summer 2010
- Associate Editor, *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, Spring 2004–Present
- Associate Editor, *Journal of Statistical Software*, Fall 2005–Fall 2006
- Associate Editor, *Statistical Applications in Genetics and Molecular Biology*, Spring 2002–Present
- Western North American Region (WNAR) of the International Biometric Society (IBS), Regional Committee Representative, 2004–2006

Brief Statement

If elected to the IMS Council, I would promote the IMS's involvement in the following four areas.

- Dissemination and sound application of statistical methods to other fields.* Statistical methods have become an integral part of data analysis in fields as diverse as astronomy, genomics, and marketing. Unfortunately, data analysts, who often lack proper statistical training, routinely reinvent the wheel, develop expedient fixes, or apply sophisticated methods without understanding the assumptions underlying their validity. I would support efforts (e.g., courses, conferences, publications) to bridge the gap between methodological and applied aspects of statistics and enhance interdisciplinary research and training. I would also attempt to raise awareness for the value of our profession by developing connections between the IMS and homologous organizations from other disciplines.
- Statistical computing.* I would promote research and training efforts in statistical computing, as this underrated aspect of our profession is a key link between statistical theory and application.
- Reproducible research.* While the ability to reproduce research findings is a rarely disputed principle, it is seldom achieved in practice. I would therefore promote the practice of reproducible research, through, for instance, the use of integrated, dynamic statistical documents that include text, code, data, and software.
- Open access electronic publishing.* In rapidly evolving and

increasingly interdisciplinary research and teaching environments, it is essential to have timely and seamless access to research findings in a wide range of disciplines. I would support open access electronic publishing as a vehicle for high-quality and efficient review and the immediate, broad, and economical dissemination and mining of research findings.

Web

<http://www.stat.berkeley.edu/~sandrine>

Steve Evans

Professor, Statistics and Mathematics (joint appointment), University of California at Berkeley

Education

PhD, University of Cambridge, 1987; B.Sc. (Hons I), University of Sydney, 1983

Research Interests

- Random matrices and probability on algebraic structures
- Random trees and tree-valued stochastic processes
- Measure-valued stochastic processes
- Biodemography and modeling of aging and mortality
- Phylogenetics and phylogenetics-based methods in metagenomics
- Phylogenetic methods in historical linguistics

Previous Service to the Profession

- Associate Editor for *Stochastic Processes and their Applications*
- Associate Editor for *Annals of Probability*
- Co-chair, year on stochastic analysis, MSRI, Berkeley
- Scientific committee for Seminar on Stochastic Processes
- Associate Editor for *Probability Theory and Related Fields*
- Core Editor for *Probability Surveys*
- IMS Fellowship Committee member

Brief Statement

To paraphrase one of my Berkeley colleagues, academic Statistics is in danger of becoming a run-down inner-city because of flight to the suburbs: that is, increasing amounts of the interesting and innovative work in probability and statistics is being done by researchers who don't think of themselves as "statisticians", don't have positions in university departments of statistics, and don't see the IMS as being the professional society that caters to their interests. If elected, my goal is to make the IMS publications and meetings more appealing to this expanding group while enhancing their quality and financial viability.

Web

<http://www.stat.berkeley.edu/users/evans>



Council nominees continued

James Allen (Jim) Fill

Professor, Applied Mathematics and Statistics, The Johns Hopkins University

Education

Ph.D., Statistics, University of Chicago, 1980; M.S., Statistics, University of Chicago, 1979; B.S., Mathematics, Statistics, University of Illinois, 1976; Summa Cum Laude; Highest Distinction in Mathematics; Highest Distinction in Statistics; Minor: Computer Science

Research Interests

- Probability
- Stochastic processes (especially Markov chains)
- Analysis of algorithms
- Random structures and algorithms

Previous Service to the Profession

- Editor-in-Chief, *Journal of Theoretical Probability*, 2006–present; Co-Editor-in-Chief, 2004–2005; Member of Editorial Board, 2000–2003
- Associate Editor, *Annals of Applied Probability*, 1994–2000, 2006–present
- Associate Editor, *Electronic Journal of Probability* and *Electronic Communications in Probability*, 2000–present
- Member, Program Committee, World Congress in Probability and Statistics (held in Singapore), 2008
- Member, IMS Committee on Fellows, 2005–2007
- Member, AMS-IMS-SIAM Summer Research Conferences in the Mathematical Sciences Selection Committee, 1999–2002
- Member, three annual Screening Panels for Statistics and Probability Program, National Science Foundation, 1998–2002
- Member, IMS Program Advisory Committee, 1990–1992
- Member, various other program committees, including three annual Workshops on Analytic Algorithmics and Combinatorics (ANALCO), 2006–2008; Second Colloquium on Algorithms, Trees, Combinatorics and Probabilities, 2002; Eighth Seminar on the Mathematical Analysis of Algorithms, 2002
- Organizer, DIMACS Workshop on Markov Chain Monte Carlo: Synthesizing Theory and Practice, 2007
- Co-organizer, Markov Chains and Random Algorithms, Cornell University, 2004
- Organizer, Workshop on Monte Carlo Markov Chains, IMS Directions in Probability Workshop, 1993

Brief Statement

One of the greatest strengths of the IMS is its journals. I hope



that my many years of experience as an editor and associate editor will bring IMS Council a useful perspective. I look forward also to helping IMS to provide rich opportunities for all members of the probability and statistics community, especially students and other young researchers, women, and minorities. Finally, I will work to maintain and strengthen cooperation by IMS with professional societies and other organizations around the world.

Web

<http://www.uoguelph.ca/~pkim>

Paul Gustafson

Professor, Department of Statistics, University of British Columbia

Education

Ph.D., Carnegie Mellon University, 1994; M.Sc., University of British Columbia, 1991; B.Sc., University of British Columbia, 1990

Research Interests

- Bayesian methods
- Biostatistical and epidemiological applications
- Partially identified models

Previous Service to the Profession

- Editor, *Canadian Journal of Statistics*, 2007–2009
- Associate Editor: *Canadian Journal of Statistics* (2001–2006, 2010–), *Journal of Statistical Planning and Inference* (2001–2006), *Lifetime Data Analysis* (2005–2006), *Statistics in Medicine* (2005–2006).
- President, Biostatistics Section, Statistical Society of Canada, 2006–2007
- ISBA Committees: Savage Award (2004–2005, 2009–2010), Mitchell Award (2008), Elections Committee (2008).
- SSC Committees: Robillard Award (2004–2006), Elections Committee (2001–2004, 2007)

Brief Statement

To date I have been a quiet member of IMS, but have been active in roles with other societies. I would look forward to learning more about the society and contributing to its success. A central challenge in today's research environment is embracing interdisciplinarity while still fostering the identity of our discipline. I perceive that the IMS has an important role to play in this regard.

Web

<http://www.stat.ubc.ca/~gustaf>



Byeong U. Park

Professor, Department of Statistics, Seoul National University

Education

Ph.D., University of California, Berkeley, 1987; M.S., Seoul National University, 1984; B.S., Seoul National University, 1982

Research Interests

- Nonparametric function estimation
- Semiparametric inference
- Functional data analysis
- High-dimensional models
- Machine learning

Previous Service to the Profession

- Associate Editor of the *Annals of Statistics*, 2007–2009
- Chair, Local Organizing Committee, The 1st IMS Asia Pacific Rim Meeting, 2007–2009
- Co-Chair, IMS Committee on Asia and Pacific Rim Meeting, 2009–present
- Member, IMS Committee on Asia and Pacific Rim Meetings, 2007–2009
- Member, IMS Committee on Nominations, 2004–2005, 2007–2008
- Editorial Board, *IMS Lecture Notes and Monograph Series*, 2008–2009
- Associate Editor of *Journal of Nonparametric Statistics*, 2003–present
- Associate Editor of *Annals of Institute of Statistical Mathematics*, 2006–present
- Vice President, the Korean Statistical Society, 2010–present
- Editor-in-Chief, *Journal of Korean Statistical Society*, 2008–present

Brief Statement

Advances in information technology have given new challenges to statistics and probability. While furthering its traditional roles in fostering the development of mathematical statistics and probability through high quality scholarly publications and scientific conferences, the IMS should play a central role in promoting statistics and probability in many emerging interdisciplinary areas facing the new challenges. In order to strengthen its position as the leading international society for statisticians and probabilists in the age of globalization, the IMS also needs to make a genuine effort to become truly global and increase its presence worldwide significantly, particularly in under-represented regions with growing



research communities of statistics and probability.

Web

<http://stat.snu.ac.kr/theostat/BUPark.htm>

Sonia Petrone

Associate Professor of Statistics, Department of Decision Sciences, Bocconi University, Milano

Education

PhD in Statistics, University of Trento, 1989; M.Sc, Bocconi University, Milano, 1985

Research Interests

- Bayesian inference and foundations
- Bayesian nonparametrics
- Mixtures and latent variables models
- State space models

Previous Service to the Profession

- Member of the Board of Directors of the International Society of Bayesian Analysis (ISBA), 2002–2004 and 2008–2010
- Editor of *Bayesian Analysis*
- Member of various Programme Committees, including the ISBA 2010 World Meeting and the series of workshops on Bayesian Nonparametrics and on Bayesian Inference for Stochastic Processes

Brief Statement

IMS has a central role for probability and statistics. I believe it is important to continue the effort in crucial challenges: strengthening the interaction with other scientific communities and applied fields, while keeping the identity and solidity of our disciplines; enhancing the international role of IMS and in particular the collaboration with emerging countries; continuing to pursue electronic access to publications, journals, and books; promoting international but also local educational programs, research, and researchers mobility, in particular in developing countries; keeping attention for diversity. Preserving the high quality of the IMS activities is the underlying, crucial point in addressing these challenges. I would be honored to serve for IMS and work towards these goals.

Web

<http://didattica.unibocconi.eu/docenti/cv.php?rif=48897&cognome=PETRONE&nome=SONIA>



Council nominees continued

Christian P. Robert

Professor of Statistics, Department of Mathematics for Decision, Université Paris Dauphine

Education

Habilitation in Statistics, Université Pierre et Marie Curie, 1991; PhD in Statistics, Université de Rouen, 1987; Master in Mathematics, Université Pierre et Marie Curie, 1985; Master in Statistics and Economics, ENSAE, 1985

Research Interests

- Monte Carlo theory, methodology and application
- Bayesian inference, theory and foundations
- Stochastic modelling

Previous Service to the Profession

- Member of the IMS council 2003–2005
- Editor of *JRSS Series B* 2006–2009
- Associate editor of the *Annals of Statistics* 1996–2006
- Member of the IMS committee on Fellows 2004–2006
- Member of the IMS nominating committee 1997
- Member of the Royal Statistical Society research committee 2001–2009
- President of ISBA 2008

Brief Statement

The profession is currently undergoing major changes whose centrifugal actions could result in a detrimental partition. Through the promotion of quality publications and meetings, as well as the inclusion of the peripheral elements at all levels of the IMS, my priority actions will be towards preserving “unity in diversity”.

Web

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



- Stochastic processes on random graphs
- Statistical mechanics
- Percolation
- Polymer models
- Self-interacting stochastic processes
- Applications of probability in engineering

Previous Service to the Profession

- Referee for many journals
- Associate editor *Advances in Applied Probability* and *Journal in Applied Probability*
- Co-organiser of approximately 15 workshops in Germany, France, and The Netherlands
- Co-organiser Mark Kac Seminar in Probability and Statistical Physics, the Netherlands 1999–2011
- Co-founder of “Young European Probabilists” workshop series to create a network of young probabilists
- Senior Research fellow Eurandom, the European Institute in Stochastics 2005–2011
- As of April 1, 2011: Scientific Director of Eurandom, the European Institute in Stochastics
- External expert Uppsala University

Brief Statement

Probability and statistics, both theoretically and applied, are internationally flourishing. The field is gaining respect both within the mathematics community (as exemplified by recent international prizes, such as Fields medals), as well as within the applied sciences due to its intrinsic multidisciplinary character and its importance in dealing with complexity, uncertainty and randomness. As a result, many young scientists find their way into probability and statistics. These junior scientists face the challenge to establish their own research profile and network. We as a community can, and in my opinion should, help them as much as possible in this respect. The IMS plays a key role in providing opportunities for young as well as senior researchers in the field. It acts as a central institution to explain the importance of probability and statistics to the society at large in dealing with complexity issues. If I am elected, I wish to help the IMS develop further ideas to increase its visibility to young researchers and other disciplines.

Web

<http://www.win.tue.nl/~rhofstad>

Remco van der Hofstad

Professor in Probability, Department of Mathematics and Computer Science, Eindhoven University of Technology

Education

PhD in Mathematics, Utrecht University (The Netherlands), 1997; Master in Mathematics, Utrecht University (The Netherlands) 1993

Research Interests

- Random graphs



Qiwei Yao

Professor of Statistics, Department of Statistics, London School of Economics and Political Science

Education

PhD in Statistics, 1987, Wuhan University, China; MSc in Statistics, 1984, Southeast University, China; BSc in Mathematics, 1982, Southeast University, China

Research Interests

- Time series analysis
- Dimension reduction and factor modelling
- Nonparametric regression
- Spatio-temporal modelling
- Financial econometrics

Previous Service to the Profession

- Associate editor of *Annals of Statistics* (2004–), *Statistica Sinica* (2008–2011), *Journal of the Royal Statistical Society* (1998–2002), *Journal of Time Series Analysis* (2009–2010), *Australian and New Zealand Journal of Statistics* (2001–2007), and *Sankhya*



(2004–2007)

- Co-Editor of *Statistica Sinica* (2011–), *Statistics and Its Interface* (2007–2011), and *Journal of the Korean Statistical Society* (2008–2010).
- Member of the Research Section Committee of the Royal Statistical Society (2003–2007), Chairman of the Postgraduate Training Program Committee of the Royal Statistical Society (2006–2007), Member of the Board of Directors of the International Chinese Statistical Association (2003–2006).

Brief Statement

Statistics plays ever-increasingly important role in this modern information age. We, as statisticians, are presented with many opportunities with challenges. The IMS can and should play a more proactive role in promoting cross-fertilization between statistics and other disciplines while retaining our own identity via advancing the core statistical methodologies and the associated theory. If elected, I will work with the colleagues to achieve this goal.

Web

<http://stats.lse.ac.uk/q.yao/>



DON'T FORGET TO VOTE!

[HTTPS://SECURE.IMSTAT.ORG/SECURE/VOTE2011/VOTE2011.ASP](https://secure.imstat.org/secure/vote2011/vote2011.asp)

Awards: calls for nominations

Call for Nominations: Tenth Annual Janet L. Norwood Award for outstanding achievement by a woman in the statistical sciences

The Section on Statistical Genetics and the Department of Biostatistics in the School of Public Health, University of Alabama at Birmingham (UAB) are pleased to request nominations for the Tenth Annual Janet L. Norwood Award for Outstanding Achievement by a Woman in the Statistical Sciences. The award will be conferred on September 14, 2011. The award recipient will be invited to deliver a lecture at the UAB award ceremony, and will receive all expenses, the award, and a \$5,000 prize.

Eligible individuals are women who have completed their terminal degree, have made extraordinary contributions and have an outstanding record of service to the statistical sciences, with an emphasis on both their own scholarship and on teaching and leadership of the field in general and of women in particular and who, if selected, are willing to deliver a lecture at the award ceremony. For additional details about the award, please visit our website at <http://www.soph.uab.edu/ssg/norwoodaward/aboutaward>.

To nominate, please send a full curriculum vitae accompanied by a letter of not more than two pages in length describing the nature of the candidate's contributions. Contributions may be in the area of development and evaluation of statistical methods, teaching of statistics, application of statistics, or any other activity that can arguably be said to have advanced the field of statistical science. Self-nominations are acceptable. Please send nominations to David B. Allison, Ph.D., Distinguished Professor & Head, Section on Statistical Genetics • dallison@uab.edu. The deadline is **Friday, June 24**. Electronic submissions of nominations are encouraged. The winner will be announced by July 1.

Nominations sought for the Marvin Zelen Leadership Award in Statistical Science

<http://biosun1.harvard.edu/events/awards/zelen/index.html>

The Department of Biostatistics at the Harvard School of Public Health named Richard Landis, PhD as the recipient of the 2011 Marvin Zelen Leadership Award in Statistical Science. Dr. Landis is a professor in the Department of Biostatistics and Epidemiology at the University of Pennsylvania School of Medicine as well as a professor of statistics at the Wharton School at the University of Pennsylvania. He will deliver a lecture on May 20 at Harvard University. This annual award, supported by colleagues, friends and family, was established to honor Dr. Marvin Zelen's long and distinguished career as a statistician and his major role in shaping the field of biostatistics. The award recognizes an individual in government, industry, or academia, who by virtue of his/her outstanding leadership has greatly impacted the theory and practice of statistical science. While individual accomplishments are considered, the most distinguishing criterion is the awardees contribution to the creation of an environment in which statistical science and its applications have flourished. The award recipient will deliver a public lecture on statistical science at the Harvard School of Public Health and will be presented with a citation and an honorarium.

Association for Women in Mathematics seeks Humphreys mentorship prize nominations

The Executive Committee of the Association for Women in Mathematics has established a prize in memory of M. Gweneth Humphreys to recognize outstanding mentorship activities. This prize will be awarded annually to a mathematics teacher (female or male) who has encouraged female undergraduate students to pursue mathematical careers and/or the study of mathematics at the graduate level. The award is open to all regardless of nationality and citizenship. Nominees must be living at the time of their nomination.

The 2012 Humphreys Award will be presented at the Joint Mathematics Meetings in Boston, MA, January 2012. Details of the nomination materials are at <http://sites.google.com/site/awmmath/programs/humphreys-award>. The deadline is **April 30, 2011**.

The Distinguished Alum Award at Harvard School of Public Health

<http://www.hsph.harvard.edu/biostats/events/awards/alum/>

The Department of Biostatistics at the Harvard School of Public Health has named Manning Feinleib, M.D., Dr.P.H., Professor Emeritus of the Johns Hopkins Bloomberg School of Public Health in the Department of Epidemiology, as the recipient of the 2011 Distinguished Alum Award. Dr. Feinleib graduated from Harvard School of Public Health's Department of Biostatistics in 1966 with his Dr.P.H. Dr. Feinleib will present a lecture during the fall of the 2011–2012 academic year at the Harvard School of Public Health. The lecture date will be announced once determined.

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 a lecture on their career and life beyond the Department at the Harvard School of Public Health, for the primary benefit of our students. The recipient will also be presented with a plaque.

Medallion Lecture preview: Itai Benjamini



Itai Benjamini is one of the IMS Medallion Lecturers at the 35th Conference on Stochastic Processes and their Applications, held in Oaxaca, Mexico, from June 19–25, 2011. He says, “I’m a mathematician working at the Weizmann Institute of Science, Israel. I grew up in Jerusalem and did all my academic studies at the Hebrew University there. Following graduation in 1992 I did a post-doc at Cornell. Most of my work is in the fields of probability and geometry, and their intersection in particular.”

In 1921 George Pólya proved that while simple random walk on the planar square grid is recurrent, that is returns to the origin infinitely often almost surely, the simple random walk on the three dimensional cubic grid is transient, that is, it returns finitely many times almost surely.

This classic and inspiring theorem can be approached, generalized and made quantitative using several rather different viewpoints. Ideas from Probability, geometry and analysis have since inspired a big body of work regarding random walks on graphs and related fields.

In the talk I will review some recent variations on the theme of recurrence. In the study of this topic, geometric notions and tools such as isoperimetric inequalities and transitivity are incorporated with probabilistic and analytic reasoning. Some further classic examples include Kesten’s thesis (1959) where he proved that the return probabilities for simple random walk on a graph decay exponentially if, and only if, the graph satisfies a strong isoperimetric inequality that is nonamenable; or Varopoulos proving a conjecture of Kesten, that the only recurrent Infinite Cayley graphs are finite extensions of the line and the plane. The proof uses a geometric structure theory combined with an analytic machine.

Among the recent variants we will discuss in the talk are the following three topics which were studied with several sets of co authors.

On large finite graph return probabilities are related to mixing times and to recurrence of graph limits. In recent years, motivated by physics, random geometries were introduced and studied beyond perturbations of known spaces. The uniform infinite planar triangulation, which is a graph limit of finite large random triangulations of the spheres, emerges as a new canonical space. It is still open to show that the uniform infinite planar triangulation is almost surely recurrent.

Over the years several natural variants of simple random walk were introduced, such as random walk in random environment and self-interacting random walks. Once the simple Markovian set up of the simple random walk is even slightly modified, the gap between what we believe and what can actually be proved is rather dramatic. Here is an example: the balanced excited random walk. Consider the following random process on the square grid. At first visit to a site, the first coordinate performs a simple random walk step. At further visits, it is the second coordinate which performs a simple random walk step. Is this walk recurrent? What can be said about the random set of sites in the grid visited by the walk in the first N steps?

Given a graph, consider the random graph obtained from the trace of a simple random walk on the graph, consisting of all vertices visited and edges crossed by the walk. Is this random graph almost surely a recurrent subgraph?



Left: detail of the mosaic wall patterns at Mitla, an important Zapotec archeological site in the state of Oaxaca in Mexico. The site is 27 miles (44 km) from the city of Oaxaca, the location of the 35th Stochastic Processes and their Applications meeting. Mitla was the main Zapotec religious center. Its name is derived from Mictlán, which meant “the place of the dead”. Mitla is unique among Mesoamerican sites for the elaborate and intricate mosaic fretwork and geometric designs that cover tombs, panels, friezes and even entire walls. These mosaics are made with small, finely-cut and polished stone pieces that have been fitted together without the use of mortar. [Taken from <http://en.wikipedia.org/wiki/Mitla>]

Terence's Stuff: Simulation

Terry Speed is stimulated by simulations this month, and regrets that he came late to the Monte Carlo party.



E dith Piaf said *rien*, Frank Sinatra had a few, too few to mention, but I have several. One is not paying attention to the world of *stochastic simulation*, until it was almost too late. For most of my career, simulation was something people did when they couldn't do the math. Duh. Simulation is still something people do when they can't do the math. It took me a while to get from the first to the second viewpoint here. In my beginning, there were *formulae*: simple (mean, SD), intermediate (GLS, anova), complicated (joint densities of eigenvalues), and beautiful (MLEs for decomposable models). Later there were *algorithms* for cases where no formula existed: necessary (nonlinear least squares, generalized linear models, linear programs), optional (robust estimators), and elegant algorithms (IPS).

Simulation came later still. My early view of it was not unlike my early view of computing in statistics more generally: that it was about formulae or algorithms being quickly and (usually) accurately implemented in a computer. If I wanted to compare an actual significance level to a nominal one, simulations could provide answers more efficiently and less painfully than slaving over a hot notebook. I knew that if U is uniform, and F an arbitrary c.d.f., then $F^{-1}(U)$ has c.d.f. F —that's a formula. I only found out recently that Ulam suggested it in a 1947 letter to Von Neumann, who confirmed that it worked in a reply which included his rejection method (that's an algorithm) and some other ideas. These were published together in 1951 with

several other gems of simulation in a brilliant two-and-a-half page note.

Things started to change for me around 1984, when I learned about the bootstrap and the Gibbs sampler. Most importantly, around then I learned—or tried—to view computers as tools for solving problems not solvable in any other way, not just as machines for carrying out traditional calculations more quickly, more reliably, and on a larger scale. With hindsight, isn't that exactly what Ulam and Von Neumann (who gave us the Monte Carlo (MC) method in 1947), and Metropolis, Rosenbluth, Rosenbluth, Teller and Teller (who gave us the Markov Chain Monte Carlo (MCMC) method in 1953), were doing: solving previously unsolvable problems using simulation?

The Bayesians got it right in the late 1980s in realizing that with MCMC they could start to fulfill their dreams... but I had no such dreams. As a result, I didn't pay close attention to developments in stochastic simulation, and it has hurt me. In 1993 a student completed a thesis with me on a problem for which sequential Monte Carlo would have been a great help. I don't feel too bad about that, as the bootstrap (particle) filter was only invented that year. However, I should have been better prepared. But soon afterwards another student could have benefitted from the same body of work, and still I/we hadn't caught up with it. That was bad. Back in the early 1990s again, another student was studying a problem in genetics involving point processes, one for which no formulae for key quantities were available. I was unable to help, but at least had the sense to send her off to another place to pick up the necessary skills. Again I should have been paying closer attention to MC methods, but wasn't. These days she would probably use the Approximate Bayesian Computation (ABC) approach, which is uniquely applicable to

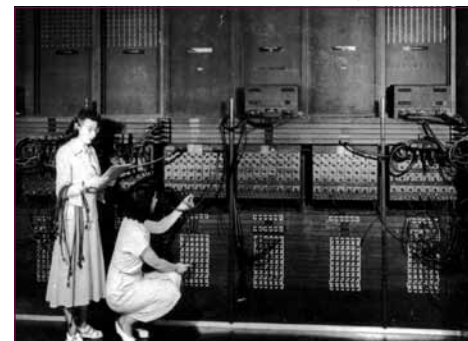
problems for which there is no closed form expression for the likelihood function; where you *must* simulate.

They say that *necessity is the mother of invention*, and the world of simulation is full of instances where that happened: problems of neutron and photon transport, computing equilibrium properties of solids, liquids, gases and plasmas, image analysis, the tracking and guidance of missiles, and the estimation of times to most recent common ancestors in population genetics. All of these problems led to a major advance in stochastic simulation, and there are several more like them.

It now seems to me that we are heading into an era when *all* statistical analysis can be done by simulation. We don't need likelihood functions; we just need to know how to simulate from the models we entertain for our data. That's been a *sine qua non* of statistical analysis for some time now. We don't need models with sufficient statistics, for which everything works out nicely; we just need summary statistics, which provide information about the parameters in our model. We don't need to be Bayesian; we just need to be approximately so. We don't need theory to tell us our method works; we just need to simulate and see.

However, we will need theory—lots of it—to enable us do this, and do it efficiently. Obvious, or an impossible dream?

ENIAC, the first general purpose electronic computer, launched modern simulation in the 1940s. Its programmers were all women: the first human computers



IMS Treasurer: Annual Report 2010

Introduction

This report details membership and subscription data for calendar year end 2010. In addition, it reviews the fiscal year 2010 (FY2010: July 1, 2009 – June 30, 2010) financial statements. In 2010, the total number of IMS members declined. Subscriptions by institutions continued to increase this past year. The financial status of the Institute continues to be stable, and actions have been taken to ensure its long-term stability. Details of the events of the past year, membership and subscription data, sales data, and a detailed analysis of the financial statement for FY2010 are given below.

Publications

<http://imstat.org/publications/>

In 2010, two new joint publications were introduced. *IMS Monographs* and *IMS Textbooks* are published jointly with the Cambridge University Press. Each publication had its first volume appear during 2010. In turn, the former IMS publication, *IMS Lecture Notes—Monograph Series* ceased publication in 2010. Any volumes that would have previously gone into this series will now either be included in *IMS Collections* or in one of the two new series.

The following is a list of current IMS core journals, as well as IMS co-sponsored, affiliated and supported journals:

IMS Core Print/Electronic Publications

- * *Annals of Probability*
- * *Annals of Applied Probability*
- * *Annals of Statistics*
- * *Annals of Applied Statistics*
- * *Statistical Science*
- * *Current Index to Statistics*
- * *IMS Collections*
- * *IMS Monographs*
- * *IMS Textbooks*
- * *IMS Bulletin*

Co-Sponsored Print/Electronic Publications

- * *Electronic Communications in Probability*
- * *Electronic Journal of Probability*
- * *Electronic Journal of Statistics*
- * *Journal of Computational and Graphical Statistics*
- * *NSF-CBMS Series in Probability and Statistics*
- * *Probability Surveys*
- * *Statistics Surveys*

Supported Publications

- * *Annales de l'Institut Henri Poincaré*
- * *Bayesian Analysis*
- * *Bernoulli*
- * *Bernoulli News*
- * *Brazilian Journal of Probability and Statistics*

Affiliated Publications

- * *ALEA: Latin American Journal of Probability and Mathematical Statistics*
- * *Probability and Mathematical Statistics*

Membership, Subscription and Sales Data

Membership Data

Total individual paid membership in the Institute as of December 31, 2010 decreased 3.17% from December 31, 2009. Table 1 overleaf presents the membership data back to 2002.

Geographic Distribution of Members

The IMS membership is currently distributed as follows:

- * 62% United States
- * 18% Europe
- * 10% Asia
- * 4% Canada
- * 2% South America, Mexico and the Caribbean
- * 2% Australia and New Zealand
- * 1% Africa

Selection of Journals by Members

Print subscriptions by members continued to decrease in 2010, as expected, because members are opting to reduce their use of print while enjoying free electronic access to all journals. Electronic access by individual members has increased this year. Table 2 overleaf shows the current selection of journals by members.

Revenue from all member dues and journal subscriptions increased 6.2%, to \$339,690 for the fiscal year ending June 30, 2010, up from \$319,953 in FY2009. This is attributed to increased dues and subscription rates for 2010.

The IMS also offers joint membership opportunities with the following societies:

- * Bernoulli Society (BS)
- * International Statistical Institute/Bernoulli Society (ISI/BS)
- * International Society for Bayesian Analysis (ISBA)
- * Applied Probability Society/INFORMS (APS/INFORMS)
- * Sociedad Latino Americana de Probabilidad y Estadística Matemática (SLAPEM).

In 2010, we processed 619 memberships to other societies (up from 599 in 2009).

IMS China

In 2008, the IMS introduced IMS China. IMS China promotes the participation of Chinese scholars in activities of the Institute of Mathematical Statistics. It provides members in China with an easier method for membership payment and allows the IMS an opportunity to introduce our organization to a constituency that may not have had easy access to our offerings in the past. IMS China members residing in mainland China received free membership in 2008 and 2009. In 2010 there was a drop in this membership as plans for member renewals were ironed out. We expect this category

to improve in 2011 as these issues are addressed.

Institutional Subscription Data

Table 3 presents comparative subscription data for institutions to each of our scientific journals for 2010 and previous years. All journals experienced subscription increases in 2010. Two publications, the IMS Bulletin and the Current Index to Statistics, experienced decreases. Revenue from all non-member subscriptions was \$1,481,816 for the fiscal year ending June 30, 2010, up from \$1,284,708 for the FY2009. The increase is due to increased subscription fees and increased subscription rates. Approximately 60% of the non-member subscribers to IMS journals are in USA and Canada, with the remaining subscribers distributed throughout the world.

Book Sales Data

Table 4 presents sales data for sales of the five past and current IMS book series. In 2010, two new series were started, *IMS Textbooks* and *IMS Monographs*, jointly with the Cambridge University Press. Each series published one volume in the second half of 2010. The *IMS Lecture Notes–Monograph Series* ceased publication in 2010. Total revenue for all books decreased slightly to \$17,148 in FY2010 from \$18,984 in FY2009.

TABLE 1: Membership, by Calendar Year

| | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | % change |
|------------------|------|------|------|------|------|------|------|------|------|----------|
| Members | 2940 | 2981 | 3044 | 3074 | 3092 | 3152 | 3156 | 3091 | 2993 | -10.3% |
| IMS China | n/a | n/a | n/a | n/a | n/a | n/a | 180 | 173 | 2 | -98.8% |
| Student | 496 | 707 | 971 | 1224 | 1295 | 1160 | 1328 | 1368 | 1160 | -15.2% |
| Total Individual | 3436 | 3688 | 4015 | 4298 | 4387 | 4312 | 4664 | 4632 | 4155 | -3.2% |
| Organizational | 98 | 102 | 107 | 100 | 111 | 45* | 20 | 11 | 12 | 9.1% |

* Organizational Membership was reconstructed in 2007 and libraries were no longer included. This change reclassified these previous organizational members to institutional subscribers. This was merely a reclassification and not a loss.

TABLE 2: Member** Subscriptions, by Calendar Year

| PRINT (paid) | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | % change |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------|
| <i>AAP</i> | 669 | 640 | 586 | 670 | 619 | 497 | 428 | 382 | 280 | -26.7% |
| <i>AOP</i> | 722 | 706 | 693 | 677 | 616 | 534 | 481 | 416 | 298 | -28.4% |
| <i>AOAS</i> | n/a | n/a | n/a | n/a | n/a | n/a | 1,160 | 1,089 | 714 | -34.4% |
| <i>AOS</i> | 1,753 | 1,713 | 1,773 | 1,853 | 1,723 | 1,608 | 1,323 | 1,109 | 763 | -31.2% |
| <i>STS</i> | 2,582 | 2,642 | 2,536 | 2,565 | 2,412 | 2,146 | 1,880 | 1,680 | 1,310 | -22.0% |
| Total | 5,726 | 5,701 | 5,588 | 5,765 | 5,370 | 4,785 | 5,272 | 4,676 | 3,365 | -28.0% |
| ELECTRONIC (free access): members setting up individual electronic access to IMS journals | | | | | | | | | | |
| Total | 482 | 943 | 1,112 | 1,262 | 1,409 | 1,660 | 1,681 | 1,711 | 1,761 | 2.9% |

*** Previously this information was reported as all members (including organizational), however data has been reformatted to show individual members only, to reflect the change in classification and to better view the current status of the data.*

TABLE 3: Institutional Paid Subscriptions, by Calendar Year

| PRINT | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | % change |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| AAP | 690 | 716 | 675 | 659 | 659 | 700 | 636 | 680 | 684 | 0.6% |
| AOP | 1,001 | 1,034 | 1,001 | 974 | 911 | 977 | 900 | 948 | 967 | 2.0% |
| AOAS | n/a | n/a | n/a | n/a | n/a | n/a | 174 | 247 | 320 | 29.6% |
| AOS | 1,320 | 1,342 | 1,268 | 1,233 | 1,171 | 1,227 | 1,118 | 1,154 | 1,158 | 0.3% |
| STS | 1,041 | 1,064 | 976 | 949 | 922 | 976 | 865 | 890 | 899 | 1.0% |
| Bulletin | 267 | 229 | 222 | 207 | 201 | 275 | 174 | 176 | 166 | -5.7% |
| CIS | n/a | n/a | n/a | n/a | n/a | n/a | 295 | 297 | 267 | -10.1% |
| AIHP ^s | n/a | n/a | n/a | n/a | n/a | [174] | 217 | 289 | 312 | 8.0% |
| Bernoulli ^s | n/a | n/a | n/a | n/a | [199] | 199 | 198 | 264 | 278 | 8.0% |
| BIPS ^s | n/a | n/a | n/a | n/a | n/a | n/a | n/a | 64 | 78 | 21.9% |
| Total | 4,319 | 4,385 | 4,142 | 4,022 | 3,864 | 4,528 | 4,577 | 5,009 | 5,129 | 2.4% |

^S denotes IMS-supported journals. Numbers in [brackets] are prior to journal becoming IMS-supported.

TABLE 4: *Total sales from the NSF-CBMS Regional Conference Series, the Lecture Notes – Monograph Series, and IMS Collections, Monographs and Textbooks (Fiscal Year Data (July 1-June 30))*

[illegible]

FINANCIAL OVERVIEW

The following is a detailed analysis of the Financial Statement for FY2010, which is presented in this issue of the *IMS Bulletin*, following this Treasurer's Report. Comparisons are always with FY2009.

The overall financial status of the Institute continues to be stable.

Per the auditor's report, in FY2010 we experienced an increase in unrestricted net assets of \$298,089. This increase is due in part to unrealized gains on our long term investments which totaled \$110,293. These gains are a reflection of the improvements in the financial markets over the last year. We do not expect to have to pull funds out of these long term reserves into our operational accounts in the near future.

The IMS Council approved a FY2010 operational budget that included net operational losses of \$10,758. Due to tight fiscal controls and better than expected revenues, the actual net revenue is \$188,461 from operations in FY2010. In FY2009 the gain on operations was \$61,409. Please see Figures 1 and 2, right, which show the history of our net assets and net operating revenue. The Council and Executive Committee made it a high priority to have an operational balanced budget in FY2010 and beyond and to increase net assets back to the levels appropriate for our revenue and expense stream.

Revenue

- * Membership dues and subscription revenues were adjusted, as in the past to prorate calendar-year revenues to fit with the Institute's fiscal year reporting. Revenues from membership dues and subscriptions are up in FY2010 as compared to FY2009 due to increased dues and subscription fees. Print journal prices for members are set at our variable cost to print.
- * Revenues from institutional subscribers

Figure 1: Net Operating Gain (Loss)

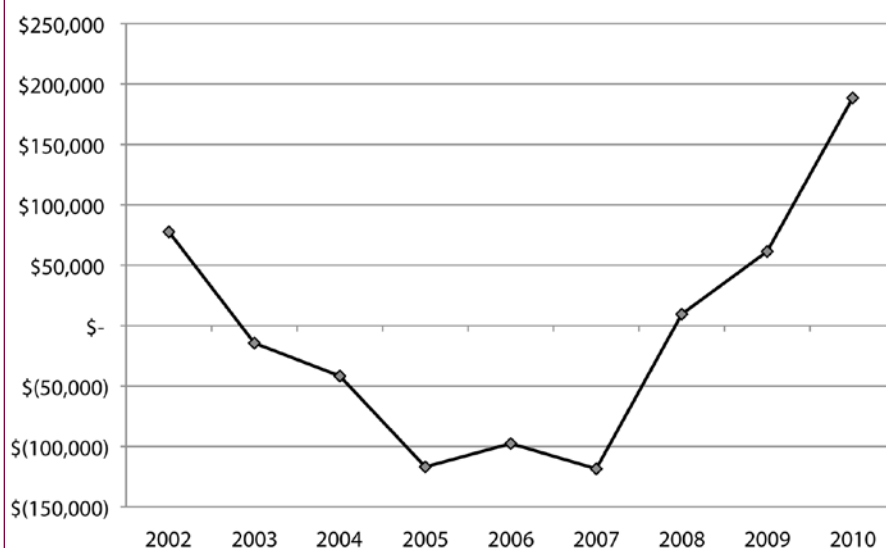
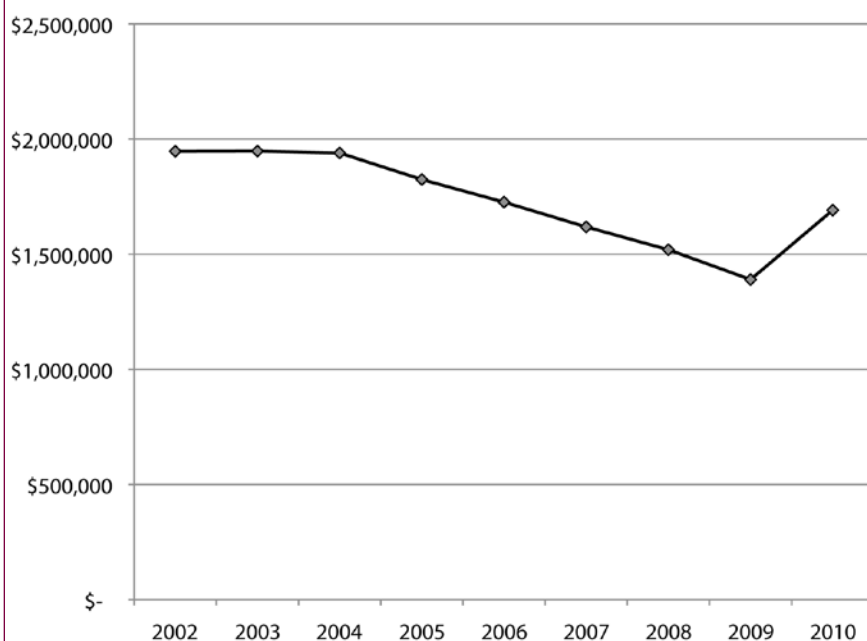


Figure 2: Net Assets



are up due to increases in subscription fees and increases in the total number of institutional subscribers.

- * Sales of back issues are up in FY2010 from FY2009. However, we should bear in mind that, as a trend, print orders are decreasing as electronic access increases.
- * Page charges are down significantly in FY2010. Due to its voluntary nature, page charge contributions tend to fluctuate greatly from year to year.
- * Revenue from sales of books are down slightly as lower cost volumes were sold in FY2010.
- * Meeting income is down in FY2010 because IMS did not manage any meetings in FY2010. The income shown is a result of our contractual arranged income from the Joint Statistical Meetings and a small amount of income from the WNAR/IMS Meeting.
- * Advertising revenues are down due to fewer ads placed.
- * Offprints, royalty and other showed an increase, as royalties from IMS's interest in JSTOR increased due to our placing of *IMS Lecture Notes—Monograph Series* on JSTOR.
- * Net profits of joint publication ventures is for the *Journal of Computational and Graphical Statistics* relationship. It is up in FY 2010, due to decreased expenses of that journal.
- * Investment income is down in FY2010. This is interest on CDs which was down over the past year.
- * The unrealized gains on investments shows the increased value we experienced on our mutual funds due to the increase in the markets.

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. We are happy to report that 94.5% (vs. 94.4% last year) of your dues dollars goes directly into the program functions of the IMS. More on expenses can be found in the "Discussion of Note H" section below.

Changes in temporarily restricted assets

The contributions listed in FY2009 and FY2010 represent donations made to the Open Access, Le Cam and Tweedie Funds. The investment income under "Contributions" is that amount allocated to specific funds and not the general fund. Funds released were from the Tweedie Memorial Fund.

Discussion of Note F in Financial Statements for FY2010

Note F has been added to the Financial Statements this year to clarify the breakdown of "Unearned memberships, subscriptions and meeting revenue." The amounts listed for "Regular members and Non-members" is then earned during the first half of FY2011 (second half of calendar year 2010). The lifetime membership is then earned over a 12-year period for each life member.

Discussion of Note H in Financial Statements for FY2010

Here you will see the allocation for expenses for Program and General Administration. Production and Editorial expenses will be discussed below in the "Discussion of Note I."

- * Mailing and shipping at the press is down from FY2009 due to decreases in total issues mailed as members opt to use electronic version of journals.
- * Salaries are up in FY2010 reflecting

wage increases.

- * The management fee shows the expenses paid to FASEB for the dues, subscriptions and web services they provide for IMS. This is down in FY2010 as more services have been automated, decreasing costs.
- * Scientific meeting expenses are down in FY2010 because the IMS did not manage a meeting.
- * The supported journal royalty is the contractual amount paid to supported journals for our agreement to assist them with publishing. The royalty is a percentage of net income.
- * Postage and shipping from the office includes mailing of all dues and subscription paper renewal forms and catalogs. It also includes shipment of all IMS book orders.
- * Insurance fees are stable. This includes liability insurance for all officers and editors, publications and business equipment.
- * Credit card fees include all processing fees for credit cards. This has increased as more members opt to pay their membership online.
- * Professional fees includes fees paid to accountants and lawyers.
- * Business meeting expenses are up since the business meetings in FY2010 required further travel by executive committee members.
- * Membership drives and publicity includes advertising of journals and IMS membership.
- * Information technology services represent the hiring of contractors to provide needed services. This is up in FY2010 due to increased needs, particularly in order to meet regulations regarding online transactions.
- * Storage fees are up as we are now storing more titles.
- * Contributions to other organizations

includes all dues and subscriptions to several organizations by the IMS and the Executive Director. These include Conference Board of Mathematical Statistics, Association for Women in Math, the Council for Engineering and Scientific Society Executive, the Society for Scholarly Publishing, Association for Learned and Society Publishers and the American Mathematical Society annual salary survey.

- * Rent and utilities is for the Executive Director's office.
- * Administrative Services includes assistance with data entry for the Executive Director.
- * Printing includes all non-journal printing, including annual invoices and catalogs.
- * Computer equipment and software includes equipment for the Executive Director, the Production Manager and the Bulletin Assistant Editor.
- * Supplies include all needed office supplies for Executive Director's office.
- * Office and other expenses includes bank fees and other miscellaneous expenses.
- * Telephone is for both the Executive Director's phone and an allocation of calls to FASEB on IMS dues and subscription inquiries.

Discussion of Note I in Financial Statement for FY2010

Production Expenses:

- * Production expenses for *Annals of Applied Statistics*, *Annals of Probability* and *Annals of Statistics* are up, as the total page count for all these journals was up in FY2010.
- * *Statistical Science* and the *Annals of Applied Probability* production expenses are down as pages decreased.
- * The *IMS Bulletin* expenses are down due to printing fewer pages, because of the use of new web-based job boards.

- * *NSF-CBMS Series* reprinted one volume in FY2010.
- * *IMS Collections* printed three issues in FY2010 and only one issue in FY2009.
- * *LNMS* printed one volume in FY2010 and only reprinted one issue in FY2009.
- * The web page production expenses were stable in FY2010.
- * *AIHP* published 5 issues in FY2009 and 4 issues in FY2010.
- * *Bernoulli* printed extra pages in FY2010 and *Bernoulli News* moved to a new format in FY2010. These additional expenses are covered entirely by the Bernoulli Society.
- * *Brazilian Journal of Probability and Statistics* was a new supported journal in FY2009. It published one issue in FY2009. In FY2010 it published three issues.
- * Expenses for *Probability Surveys*, *Statistics Surveys* and *Electronic Journal of Statistics* are minimal and shared with the other co-sponsoring societies.
- * *Current Index to Statistics* had hosting expenses in FY2010. These are expected to be ongoing.
- * Electronic operations include expenses for placement and hosting of our journals on Project Euclid and ArXiv, and expenses associated with our Electronic Journal Management System. We experienced decreased rates in FY2010 as all back issues are now in Project Euclid and IMS is no longer posting articles for the open access journals to ArXiv.

Editorial Expenses:

- * Editorial expenses for all journals are minimal in FY2010 as all journals have moved into the central editorial office. All editors are within their budgets for the length of their term.
- * *Current Index to Statistics* expenses are stable.
- * The *IMS Bulletin* assistant editor expenses decreased due to changes in

the exchange rate as she is located in the UK.

- * The web editor expenses are down. In FY2009 work on a new content management system for the web page was in place. The final phase of this project was completed in FY2011.
- * Managing and production editorial expenses are up slightly.
- * The Central Editorial Office handles all secretarial support for the IMS core, supported and electronic based journals.

Discussion of Note J in Financial Statement for FY2010

Note J shows distribution of funds in restricted accounts.

- * Dorweiller, Hotelling and Development Funds experienced no changes.
- * The Reserve Life Fund increased as more members opted to become Life members.
- * The New Researchers Meeting Fund increased as funds left over from previous meetings were added to the fund in FY2010.
- * The Laha Fund decreased as grants were awarded in FY2010.
- * The Tweedie and Open Access Funds increased due to donations.
- * The Le Cam Fund increased due to return on investment for the endowment.

Recommendation

The Executive Committee recommended an institutional subscription fee increase of approximately 9% for 2011. Dues rates for members are increased by US\$5 to US\$103. Subscription rates to members are adjusted to the variable cost. Members are given a 10% discount off dues if they renewed by December 31. The 2010–2011 Council approved these recommendations in June and August 2010.

Jean Opsomer, Treasurer

INSTITUTE OF MATHEMATICAL STATISTICS

1

STATEMENTS OF FINANCIAL POSITION

June 30, 2010 and 2009

| | 2010 | 2009 |
|--|---------------------|---------------------|
| ASSETS | | |
| Cash | \$ 516,498 | \$ 316,755 |
| Investments, at fair market value | 2,319,872 | 2,059,681 |
| Accounts receivable | 8,956 | 16,442 |
| Interest receivable | 1,761 | 9,484 |
| Prepaid expenses | 37,696 | 68,548 |
| Investment in joint venture | 49,962 | 45,983 |
| Deposits | 11,000 | 3,300 |
| Restricted cash for endowment | 37,614 | 37,743 |
| Total assets | <u>\$ 2,983,359</u> | <u>\$ 2,557,936</u> |
| LIABILITIES AND NET ASSETS | | |
| Liabilities: | | |
| Accounts payable and accrued liabilities | \$ 131,869 | \$ 51,793 |
| Unearned memberships, subscription and meeting revenue | 1,159,922 | 1,115,979 |
| Total liabilities | 1,291,791 | 1,167,772 |
| Net assets: | | |
| Unrestricted: | | |
| Undesignated | 1,549,582 | 1,245,442 |
| Board-designated | 85,503 | 91,554 |
| Total unrestricted | 1,635,085 | 1,336,996 |
| Temporarily restricted | 24,063 | 20,983 |
| Permanently restricted | 32,420 | 32,185 |
| Total net assets | <u>1,691,568</u> | <u>1,390,164</u> |
| Total liabilities and net assets | <u>\$ 2,983,359</u> | <u>\$ 2,557,936</u> |

INSTITUTE OF MATHEMATICAL STATISTICS

2

STATEMENTS OF ACTIVITIES

For the Years Ended June 30, 2010 and 2009

| | 2010 | 2009 |
|--|------------|------------|
| Changes in unrestricted net assets: | | |
| Revenue and support: | | |
| Membership dues and journal subscriptions | \$ 339,690 | \$ 319,953 |
| Non-member subscriptions | 1,481,816 | 1,284,708 |
| Sales of back issues | 10,456 | 4,165 |
| Page charges | 24,408 | 53,251 |
| Sales of books | 17,148 | 18,984 |
| Scientific meetings | 15,915 | 31,718 |
| Advertising | 29,383 | 31,001 |
| Offprints, royalties and other | 116,648 | 105,280 |
| Net profit of joint venture publications | 3,979 | 2,015 |
| Unrealized gain (loss) on investments | 110,239 | (193,302) |
| Investment income | 34,802 | 62,819 |
| Total unrestricted revenue and support | 2,184,484 | 1,720,592 |
| Net assets released from restrictions | 1,282 | 776 |
| Total unrestricted revenue, support and other | 2,185,766 | 1,721,368 |
| Expenses: | | |
| Program | 1,783,123 | 1,749,494 |
| General and administrative | 104,554 | 103,767 |
| Total expenses | 1,887,677 | 1,853,261 |
| Increase (decrease) in unrestricted net assets | 298,089 | (131,893) |
| Changes in temporarily restricted net assets: | | |
| Contributions | 3,751 | 2,038 |
| Investment income | 611 | 611 |
| Net assets released from restrictions | (1,282) | (776) |
| Increase in temporarily restricted net assets | 3,080 | 1,873 |

3

INSTITUTE OF MATHEMATICAL STATISTICS

STATEMENTS OF ACTIVITIES (Continued)

For the Years Ended June 30, 2010 and 2009

| | 2010 | 2009 |
|---|---------------------|---------------------|
| Changes in permanently restricted net assets: | | |
| Contributions | 235 | 407 |
| Increase in permanently restricted net assets | 235 | 407 |
| Increase (decrease) in net assets | 301,404 | (129,613) |
| Net assets, beginning of year | 1,390,164 | 1,519,777 |
| Net assets, end of year | <u>\$ 1,691,568</u> | <u>\$ 1,390,164</u> |

4

INSTITUTE OF MATHEMATICAL STATISTICS

STATEMENTS OF CASH FLOWS

For the Years Ended June 30, 2010 and 2009

| | 2010 | 2009 |
|--|-------------------|-------------------|
| Cash flows from operating activities: | | |
| Changes in net assets | \$ 301,404 | \$ (129,613) |
| Adjustments to reconcile changes in net assets to net cash provided by operating activities: | | |
| Net profit in investments in joint ventures | (3,979) | (2,015) |
| Realized and unrealized (gains) losses on investments | (110,239) | 193,302 |
| (Increase) decrease in assets: | | |
| Accounts receivable | 7,486 | 14,067 |
| Interest receivable | 7,723 | 247 |
| Prepaid expenses | 30,852 | (9,648) |
| Deposits | (7,700) | (3,300) |
| Restricted cash for endowment | 129 | (404) |
| Increase (decrease) in liabilities: | | |
| Accounts payable and accrued liabilities | 80,076 | (48,629) |
| Unearned memberships, subscription and meeting revenue | 43,943 | 121,583 |
| Total adjustments | 48,291 | 265,203 |
| Net cash provided by operating activities | 349,695 | 135,590 |
| Cash flows from investing activities: | | |
| Net change in investments | (149,952) | (201,140) |
| Net cash used by investing activities | (149,952) | (201,140) |
| Net increase (decrease) in cash | 199,743 | (65,550) |
| Cash, beginning of year | 316,755 | 382,305 |
| Cash, end of year | <u>\$ 516,498</u> | <u>\$ 316,755</u> |

NOTES TO FINANCIAL STATEMENTS

June 30, 2010 and 2009

NOTE A – Description of organization

The Institute of Mathematical Statistics (the Institute) is an international professional and scholarly 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 are The Annals of Applied Probability, The Annals of Applied Statistics, 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 and IMS Collections. Jointly with other organizations, the Institute publishes the Electronic Journal of Probability, Electronic Communications in Probability, Electronic Journal of Statistics, IMS Monographs, IMS Textbooks, Journal of Computational and Graphical Statistics, Probability Surveys, Statistics Surveys, Current Index to Statistics and NSF-CBMS Regional Conference Series in Probability and Statistics. On behalf of other organizations, the Institute produces Bayesian Analysis, Bernoulli, Bernoulli News, Brazilian Journal of Probability and Statistics and Annales de l'Institut Henri Poincaré (B) Probabilités et Statistiques.

The Institute is an international organization of approximately 4,500 statisticians, probabilists, epidemiologists and econometricians from industry, academia and government.

NOTE B – Summary of significant accounting policies**Basis of accounting**

The Institute maintains its accounting records and prepares its financial statements on the accrual basis.

Fair value of financial instruments

The carrying amount of cash, accounts receivable, interest receivable, deposits and accounts payable are stated at a fair value or approximate fair value.

Financial statement presentation

The financial statements have been prepared in accordance with accounting principles generally accepted in the United States of America for not-for-profit organizations. The financial activities are classified into three classes of net assets: unrestricted, temporarily restricted and permanently restricted net assets.

NOTES TO FINANCIAL STATEMENTS (Continued)

June 30, 2010 and 2009

NOTE B – Summary of significant accounting policies (continued)**Financial statement presentation (continued)**

Unrestricted net assets: These amounts consist of net assets that are not subject to donor-imposed restrictions. Unrestricted net assets are expendable resources used to support the Institute's core activities. These net assets may be designated for specific purposes by action of the Council to be used for future periods.

Temporarily restricted: Those net assets and activities which are donor restricted for: (a) support of specific operating activities; (b) investment for a specified term; (c) use in a specified future period; or (d) acquisition of long-lived assets.

Permanently restricted: Those net assets and activities which are permanently donor restricted for holdings of: (a) assets donated with stipulations that they be preserved and not be sold; or (b) assets donated with stipulations that they be invested to provide a permanent source of income. Permanently restricted net assets consist of cash gifts restricted by donors to establish a fund honoring the memory of Professor Le Cam.

Revenue and support recognition

Membership dues and subscription fees are recognized as revenue on a straight-line basis over the term of the applicable membership and subscription period. Membership and subscription periods run from January 1 to December 31. Any time a member or non-member subscribes, he/she is entitled to all issues of the journal(s) published during the subscription period. The unearned portion of the revenue is recorded as a liability under the unearned memberships, subscription and meeting revenue in the Statements of Financial Position.

The Institute recognizes contributions upon the earlier of receipt or when a pledge is executed. Contributions without donor-imposed restrictions are reported as unrestricted support. Contributions with donor-imposed restrictions are reported as either temporarily restricted or permanently restricted support, depending upon the type of restriction.

Income taxes

The Institute is a Section 501(c)(3) organization exempt from income taxes under Section 501(a) of the Internal Revenue Code and Section 23701d of the California Revenue and Taxation Code. Therefore, no provision for federal and California income tax is reflected in the financial statements.

NOTES TO FINANCIAL STATEMENTS (Continued)

June 30, 2010 and 2009

NOTE B – Summary of significant accounting policies (continued)**Income taxes (continued)**

As required by the *Income Taxes Topic of the Financial Accounting Standards Board Accounting Standards Codification*, the Institute recognizes the effect of income tax positions only if those positions are more likely than not of being sustained. The Institute does not believe its financial statements include any uncertain tax positions.

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.

Reclassifications

Certain reclassifications have been made to the financial statements for the year ended June 30, 2009 to conform to the year ended June 30, 2010 financial statements presentation. Such reclassifications have no effect on net assets as previously reported.

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.

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.

Shipping and handling costs

Shipping and handling costs are recorded as incurred. These expenses are included in the functional expenses in Note H.

NOTES TO FINANCIAL STATEMENTS (Continued)

June 30, 2010 and 2009

NOTE B – Summary of significant accounting policies (continued)**Functional allocation of expenses**

The costs of providing the program and supporting activities of the Institute are summarized in the Statements of Activities and are shown in detail in Note H. 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 based on allocation methods and estimates made by management.

NOTE C – 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 management believes they are not exposed to any significant credit risk.

NOTE D – Valuation of investments

In August 2006, the Institute adopted a new investment policy whereby the Institute is committed to a policy of low-cost long-term indexed investing with minimal intervention. The Institute's investment funds (that is, the funds other than the operating funds or the operating reserve) are to be invested as follows:

- 60% in domestic and international equities
- 40% in fixed-income instruments

The distribution of funds is reviewed annually and is rebalanced if the actual allocations differ from the targets given here by more than 5%.

The Institute maintains accounts with Merrill Lynch and Vanguard Group for operating, operating reserve and reserve funds. Investments include mutual funds carried at their fair market value and certificates of deposit at various institutions maturing at various dates. The certificates of deposit are immediately convertible to cash with maturities ranging from one month to less than two years.

9 INSTITUTE OF MATHEMATICAL STATISTICS
NOTES TO FINANCIAL STATEMENTS (Continued)

June 30, 2010 and 2009

NOTE D -- Valuation of investments (continued)

Accounting standards define fair value, establish a framework for measuring fair value, and expand disclosures about fair value measurements. The standards prioritized, within the measurement of fair value, the use of market-based information over entity-specific information and established a three-level hierarchy for fair value measurements based on the transparency of information, such as the pricing source, used in the valuation of an asset or liability as of the measurement date.

Level I - Quoted prices are available in active markets for identical investments as of the reporting date. The type of investments in Level I include listed equities held in the name of the Institute, and exclude listed equities and other securities held indirectly through commingled funds.

Level II - Pricing inputs, including broker quotes, are generally those other than exchange quoted prices in active markets, which are either directly or indirectly observable as of the reporting date, and fair value is determined through the use of models or other valuation methodologies.

Level III - Pricing inputs are unobservable for the investment and includes situations where there is little, if any, market activity for the investment. The inputs into the determination of fair value require significant management judgment or estimation. Investments that are included in this category generally include privately held investments and partnership interests.

All of the Institute's investments are considered Level I. Ending investments value was \$2,319,872 and \$2,059,681 as of June 30, 2010 and 2009, respectively.

NOTE E -- Investment in joint venture

The Institute, American Statistical Association (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 \$49,962 and \$45,983 for Journal of Computational and Graphical Statistics (the IFNA venture) at June 30, 2010 and 2009, respectively.

10 INSTITUTE OF MATHEMATICAL STATISTICS
NOTES TO FINANCIAL STATEMENTS (Continued)

June 30, 2010 and 2009

NOTE E -- Investment in joint venture (continued)

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

| | Journal of Computational and Graphical Statistics | |
|---|---|------------|
| | 2010 | 2009 |
| Current assets | \$ 204,922 | \$ 200,145 |
| Total assets | \$ 204,922 | \$ 200,145 |
| Current liabilities | \$ 80,017 | \$ 85,187 |
| Undistributed co-sponsors' equity | 124,905 | 114,958 |
| Total liabilities and co-sponsors' equity | \$ 204,922 | \$ 200,145 |
| Revenue | \$ 123,356 | \$ 122,386 |
| Net income | \$ 9,947 | \$ 5,037 |

NOTE F -- Unearned memberships, subscription and meeting revenue

Unearned memberships, subscription and meeting revenue consists of the following for the years ended June 30:

| | 2010 | 2009 |
|--|--------------|--------------|
| Regular members subscription dues | \$ 136,664 | \$ 124,825 |
| Non-members subscription dues | 713,587 | 683,071 |
| Lifetime and retired membership dues | 305,597 | 304,314 |
| Other deferred revenue | 4,074 | 3,769 |
| Total unearned memberships, subscription and meeting revenue | \$ 1,159,922 | \$ 1,115,979 |

11 INSTITUTE OF MATHEMATICAL STATISTICS
NOTES TO FINANCIAL STATEMENTS (Continued)

June 30, 2010 and 2009

NOTE G -- 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 \$10,267 and \$9,883 for the years ended June 30, 2010 and 2009, respectively.

NOTE H -- Functional expenses

Program and general and administrative expenses for the year ended June 30, 2010 were as follows:

| | Program | General and Administrative | Total |
|---|------------|----------------------------|------------|
| Production expenses (see Note I) | \$ 983,795 | \$ - | \$ 983,795 |
| Editorial expenses (see Note I) | 248,753 | - | 248,753 |
| Mailing and shipping at press | 162,503 | - | 162,503 |
| Salaries, payroll taxes and employee benefits | 66,253 | 66,253 | 132,506 |
| Management fee | 120,835 | - | 120,835 |
| Scientific meetings | 55,673 | - | 55,673 |
| Supported journal royalty | 29,827 | - | 29,827 |
| Postage and shipping from office | 16,662 | 7,141 | 23,803 |
| Insurance | 14,135 | 6,058 | 20,193 |
| Credit card fees and refunds | 18,556 | - | 18,556 |
| Professional fees | - | 18,000 | 18,000 |
| Business meetings | 14,898 | - | 14,898 |
| Membership drives and publicity | 13,085 | - | 13,085 |
| Information technology service | 10,642 | - | 10,642 |
| Storage | 9,932 | - | 9,932 |
| Contributions to other organizations | 9,443 | - | 9,443 |
| Rent and utilities | 1,650 | 1,650 | 3,300 |
| Administrative services | - | 3,230 | 3,230 |
| Printing | 2,443 | - | 2,443 |
| Computer equipment and software | 1,345 | 576 | 1,921 |
| Supplies | 861 | 861 | 1,722 |
| Office expense and other | 1,173 | 502 | 1,675 |
| Telephone | 659 | 283 | 942 |

12 INSTITUTE OF MATHEMATICAL STATISTICS
NOTES TO FINANCIAL STATEMENTS (Continued)

June 30, 2010 and 2009

NOTE H -- Functional expenses (continued)

Program and general and administrative expenses for the year ended June 30, 2009 were as follows:

| | Program | General and Administrative | Total |
|---|--------------|----------------------------|--------------|
| Production expenses (see Note I) | \$ 892,400 | \$ - | \$ 892,400 |
| Editorial expenses (see Note I) | 287,921 | - | 287,921 |
| Mailing and shipping at press | 167,824 | - | 167,824 |
| Management fee | 139,382 | - | 139,382 |
| Salaries, payroll taxes and employee benefits | 63,604 | 63,604 | 127,208 |
| Scientific meetings | 68,059 | - | 68,059 |
| Postage and shipping from office | 16,143 | 6,919 | 23,062 |
| Insurance | 14,622 | 6,266 | 20,888 |
| Professional fees | - | 18,000 | 18,000 |
| Credit card fees and refunds | 17,589 | - | 17,589 |
| Membership drives and publicity | 14,443 | - | 14,443 |
| Contributions to other organizations | 9,629 | - | 9,629 |
| Business meetings | 9,120 | - | 9,120 |
| Supported journal royalty | 8,645 | - | 8,645 |
| Storage | 8,492 | - | 8,492 |
| Bad debts | 8,255 | - | 8,255 |
| Information technology service | 6,370 | - | 6,370 |
| Computer equipment and software | 3,774 | 1,617 | 5,391 |
| Printing | 5,165 | - | 5,165 |
| Administrative services | - | 4,224 | 4,224 |
| Presidential Fund | 3,794 | - | 3,794 |
| Rent and utilities | 1,650 | 1,650 | 3,300 |
| Office expense and other | 1,312 | 562 | 1,874 |
| Supplies | 644 | 644 | 1,288 |
| Telephone | 657 | 281 | 938 |
| | \$ 1,749,494 | \$ 103,767 | \$ 1,853,261 |

INSTITUTE OF MATHEMATICAL STATISTICS
NOTES TO FINANCIAL STATEMENTS (Continued)

June 30, 2010 and 2009

NOTE I – Production and editorial expenses

Production and editorial expenses incurred were as follows:

| | 2010 | 2009 |
|--|------------|------------|
| Production expenses: | | |
| Core publications: | | |
| <u>The Annals of Applied Probability</u> | \$ 104,000 | \$ 122,827 |
| <u>The Annals of Applied Statistics</u> | 144,072 | 110,335 |
| <u>The Annals of Probability</u> | 121,561 | 115,704 |
| <u>The Annals of Statistics</u> | 247,839 | 187,997 |
| <u>Statistical Science</u> | 56,476 | 59,970 |
| <u>IMS Bulletin</u> | 44,451 | 46,132 |
| <u>NSF - CBMS Series</u> | 507 | - |
| <u>IMS Collections</u> | 8,569 | 5,171 |
| <u>The IMS Lecture Notes - Monograph Series</u> | 14,253 | 2,910 |
| <u>Web page</u> | 13,331 | 12,763 |
| Total core publications | 755,059 | 663,809 |
| Supported publications: | | |
| <u>Annales de l'Institut Henri Poincaré</u> | 55,576 | 63,699 |
| <u>Bernoulli</u> | 64,152 | 58,701 |
| <u>Bernoulli News</u> | 3,420 | 2,598 |
| <u>Brazilian Journal of Probability and Statistics</u> | 19,598 | 5,992 |
| Total supported publications | 142,746 | 130,990 |
| Co-sponsored publications: | | |
| <u>Probability Surveys</u> | 1,550 | 1,419 |
| <u>Statistics Surveys</u> | 1,680 | 684 |
| <u>Current Index to Statistics</u> | 6,404 | - |
| <u>Electronic Journal of Statistics</u> | 5,150 | 1,627 |
| Total co-sponsored publications | 14,784 | 3,730 |
| General publication expenses: | | |
| Electronic operations for all publications | 71,206 | 93,871 |
| Total general publication expenses | 71,206 | 93,871 |
| Total production expenses | \$ 983,795 | \$ 892,400 |

INSTITUTE OF MATHEMATICAL STATISTICS
NOTES TO FINANCIAL STATEMENTS (Continued)

June 30, 2010 and 2009

NOTE I – Production and editorial expenses (continued)

| | 2010 | 2009 |
|--|------------|------------|
| Editorial expenses: | | |
| <u>The Annals of Applied Probability</u> | \$ - | \$ 1,000 |
| <u>The Annals of Statistics</u> | 2,000 | - |
| <u>The Annals of Probability</u> | 1,000 | - |
| <u>Current Index to Statistics</u> | 30,000 | 30,000 |
| <u>IMS Bulletin</u> | 64,936 | 72,206 |
| WWW editor | 41,009 | 76,010 |
| Managing and production editors | 91,808 | 90,455 |
| Central editorial office | 18,000 | 18,250 |
| Total editorial expenses | \$ 248,753 | \$ 287,921 |

NOTE J – Net assets

| | 2010 | 2009 |
|--|--------------|--------------|
| The following are net assets available at June 30: | | |
| Unrestricted: | | |
| Undesignated | \$ 1,549,582 | \$ 1,245,442 |
| Board-designated: | | |
| Dorweiler Fund | 3,600 | 3,600 |
| Hotelling Fund | 1,600 | 1,600 |
| New Researchers Meeting Fund | 31,594 | 31,219 |
| Development Fund | 25,000 | 25,000 |
| Laha Fund | 23,709 | 30,135 |
| Total Board-designated | 85,503 | 91,554 |

INSTITUTE OF MATHEMATICAL STATISTICS
NOTES TO FINANCIAL STATEMENTS (Continued)

June 30, 2010 and 2009

NOTE J – Net assets (continued)

| | 2010 | 2009 |
|------------------------------|--------------|--------------|
| Temporarily restricted: | | |
| Tweedie Memorial Fund | 14,524 | 12,884 |
| Open Access Fund | 3,144 | 2,134 |
| Le Cam Earnings Fund | 6,395 | 5,965 |
| Total temporarily restricted | 24,063 | 20,983 |
| Permanently restricted: | | |
| Le Cam Endowment | 32,420 | 32,185 |
| Total net assets | \$ 1,691,568 | \$ 1,390,164 |

NOTE K – Subsequent events

The date to which events occurring after June 30, 2010 have been evaluated for possible adjustments to the financial statements or disclosure is December 20, 2010, which is the date on which the financial statements were available to be issued.

Bregante Company LLP
CERTIFIED PUBLIC ACCOUNTANTS
Building Service Partnerships Since 1976

Independent Auditors' Report

The Council
Institute of Mathematical Statistics

We have audited the accompanying statements of financial position of Institute of Mathematical Statistics as of June 30, 2010 and 2009, and the related statements of activities and cash flows for the years then ended. These financial statements are the responsibility of the Institute of Mathematical Statistics' 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 consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the organization's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, 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, 2010 and 2009, 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

San Francisco, California

December 20, 2010

IMS meetings around the world

IMS co-sponsored meeting

Statistical Challenges in Modern Astronomy V

June 13–17, 2011

Center for Astrostatistics, Penn State University

w <http://astrostatistics.psu.edu/su11scma5/>

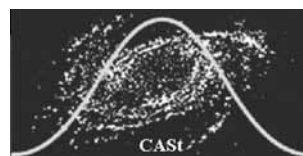
The Statistical Challenges in Modern Astronomy (SCMA) conferences, held every five years since 1991, are the premiere forum for research statisticians and astronomers to discuss methodological issues of mutual interest. Astronomers face an incredible range of problems in statistical inference, including mega-datasets, modeling data with nonlinear astrophysical models, time series analysis from irregularly spaced observations, spatial analysis of clustering processes, treatment of censoring and truncation, heteroscedastic measurement errors, and more. The issues arise in all fields of astronomy—planetary, stellar, extragalactic and cosmological—and with observations at all wavebands of light. Major investments in new telescopes require advanced statistical methodologies to attain their scientific goals. Statistics serves many research communities and is constantly enriching its methodology and capabilities. Astrostatistics today is a vibrant and growing cross-disciplinary enterprise.

SCMA V is preceded by weekend Tutorials on advanced topics, and the 7th annual Summer School on Statistics for Astronomers. The latter provides an intensive introduction to statistical inference and the *R* programming environment.

The SCMA V Scientific Program is divided into nine sessions with approximately 30 confirmed invited speakers: Statistical Modeling in Astronomy; Bayesian Analysis Across Astronomy; Bayesian Cosmology; Data Mining and Informatics; Sparsity; Interpreting Astrophysical Simulations; Time Domain Astronomy; Spatial and Image Analysis; and Future Directions for Astrostatistics.

The conference welcomes contributed papers from statisticians and astronomers. Registration Deadline: **May 6, 2011**. Registration may close earlier for the summer school if the enrollment limit is reached. To register visit <http://astrostatistics.psu.edu/su11scma5/reg.html>

Contacts: Eric Feigelson, Dept. of Astronomy & Astrophysics, Penn State University **e** edf@astro.psu.edu; and G. Jogesh Babu, Dept. of Statistics, Penn State University **e** babu@psu.edu



*At a glance:
forthcoming
IMS Annual
Meeting and
JSM dates*

2011

IMS Annual Meeting @

JSM: Miami Beach, FL, July 30–August 4, 2011

2012

IMS Annual Meeting

@ **World Congress:** Istanbul, Turkey, July 9–14, 2012

JSM: San Diego, CA, July 28–August 2, 2012

2013

IMS Annual Meeting

@ **JSM:** Montréal, Canada, August 3–8, 2013

2014

IMS Annual Meeting:

Sydney, Australia, July 7–11, 2014

JSM: Boston, MA, August 2–7, 2014

2015

IMS Annual Meeting

@ **JSM:** Seattle, WA, August 8–13, 2015

IMS co-sponsored meeting

36th Conference on Stochastic Processes and their Applications

July 29 – August 2, 2013

University of Colorado, Boulder., USA

w TBC

NEW

IMS co-sponsored meeting

Conference on Modeling High Frequency Data in Finance 3

July 27–31, 2011

Stevens Institute of Technology, Hoboken, New Jersey

IMS Reps: Ionut Florescu, Jose Figueroa Lopez

w <http://kolmogorov.math.stevens.edu/conference2011/>

NEW

IMS co-sponsored meeting

Colloquium in honor of Hans Rudolf Künsch on the occasion of his 60th birthday

October 3–4, 2011, ETH Zurich, Switzerland

IMS Reps: Peter Bühlmann, Marloes Maathuis, Sara van de Geer

w https://stat.ethz.ch/events/Colloquium_Kuensc

Keynote speakers are Jim Berger (Duke University), Stuart Geman (Brown University), Peter Green (University of Bristol). Invited speakers are: Rainer Dahlhaus (University of Heidelberg), Arnaldo Frigessi (University of Oslo), Reinhard Furrer (University of Zurich), Havard Rue (Norwegian Univ. S&T Trondheim), Reto Knutti (ETH Zurich), Christian P. Robert (Université Paris-Dauphine).

NEW



Hans R. Künsch

IMS sponsored meeting

**IMS Annual Meeting @
2011 Joint Statistical Meetings**
July 30 – August 4, 2011, Miami Beach, FL

w <http://amstat.org/meetings/jsm/2011/>

Miami beach



IMS sponsored meeting

2012 Joint Statistical Meetings
July 28 – August 2, 2012, San Diego, CA

w <http://amstat.org/meetings/jsm/2012/>

IMS co-sponsored meeting

Seventh Cornell Probability Summer School
July 11–22, 2011. Cornell University, Ithaca, NY

NEW WEBSITE <http://www.math.duke.edu/~rtd/CPSS2011/index.html>

The 7th Cornell Probability Summer School will feature six lecture series by Marek Biskup (UCLA), Geoffrey Grimmett (Cambridge) and Greg Lawler (Chicago). In addition Omer Angel (UBC), Julien Dubedat (Columbia), Dmitry Ioffe (Technion), and Alan Sly (Microsoft) will each give two lectures. The conference web page has more information, and a registration form (deadline **April 1**). Accepted participants will have their dorm room paid for. US participants can apply for \$400 toward the cost of meals. This meeting is supported by an NSF Research Training Group grant to the probability group at Cornell.

IMS co-sponsored meeting

35th Conference on Stochastic Processes and their Applications
June 19–25, 2011
Oaxaca, Mexico

w <http://www.matem.unam.mx/SPA2011/>

The 35th Conference on Stochastic Processes and their Applications is organized under the auspices of the Bernoulli Society for Mathematical Statistics and Probability and co-sponsored by the Institute of Mathematical Statistics. It will take place in the city of Oaxaca, Mexico from the 19th to the 24th of June 2011. It is the major annual meeting for researchers working in the field of Stochastic Processes and their Applications.

The conference covers a wide range of active research areas, in particular featuring 20 invited plenary lectures presented by leading specialists. In addition, there will be a large variety of special sessions (consisting of three talks each), contributed sessions, contributed talks and posters.

For further information, please see the webpage: <http://www.matem.unam.mx/SPA2011/> or email: spa2011@matem.unam.mx

IMS sponsored meeting

**IMS Annual Meeting @
2013 Joint Statistical Meetings**
August 3–8, 2013, Montréal, Quebec, Canada

w <http://amstat.org/meetings/jsm.cfm>

IMS sponsored meeting

2014 Joint Statistical Meetings
August 2–7, 2014
Boston, Massachusetts, USA

w <http://amstat.org/meetings/jsm.cfm>

IMS sponsored meeting

**IMS Annual Meeting @
2015 Joint Statistical Meetings**
August 8–13, 2015
Seattle, Washington, USA

w <http://amstat.org/meetings/jsm.cfm>

IMS sponsored meeting

2014 IMS Annual Meeting
July 7–11, 2014
Sydney, Australia

w TBC

The location for the 2014 IMS Annual Meeting has been selected as Sydney, Australia. Details will follow, but you can mark your calendars now!

IMS sponsored meeting

2012 ENAR/IMS Spring Meeting
April 1–4, 2012
Washington DC, USA

w <http://www.enar.org/meetings.cfm>

IMS sponsored meeting

2013 ENAR/IMS Spring Meeting
March 10–13, 2013
Orlando, Florida, USA

w <http://www.enar.org/meetings.cfm>

IMS sponsored meeting

2014 ENAR/IMS Spring Meeting
March 16–19, 2014
Baltimore, Maryland, USA

w <http://www.enar.org/meetings.cfm>

IMS co-sponsored meeting

**International Symposium in Statistics (ISS)
on Longitudinal Data Analysis Subject
to Outliers, Measurement Errors, and/or
Missing Values**
July 16–18, 2012

Memorial University, St. John's, Canada

w www.iss-2012-stjohns.ca

IMS Rep: Brajendra Sutradhar

IMS co-sponsored meeting

**Patient-Reported Outcomes and
Quality of Life**
July 4–5, 2011

**Université Pierre et Marie Curie,
Paris, France**

IMS Rep: Mounir Mesbah

w <http://www.lsta.upmc.fr/PROQOL/>

More IMS meetings around the world

IMS sponsored meeting

2012 World Congress/IMS Annual Meeting

July 9–14, 2012, Grand Cevahir Hotel & Convention Center, Istanbul, Turkey

w <http://www.worldcong2012.org/>

The eighth World Congress in Probability and Statistics will be held in Istanbul from July 9 to 14, 2012. It is jointly organized by the Bernoulli Society and the Institute of Mathematical Statistics. Scheduled every four years, this meeting is a major worldwide event for statistics and probability, covering all its branches, including theoretical, methodological, applied and computational statistics and probability, and stochastic processes. It features the latest scientific developments in these fields.

Contacts: Elvan Ceyhan and Mine Çağlar, Co-chairs of the Local Organizing Committee; Arnaldo Frigessi, Chair of the Program Committee.

IMS co-sponsored meeting

Conference in Genetics, Probability and Statistics, in Honor of David Siegmund

June 17–18, 2011

Stanford University, Stanford, CA

IMS Reps: Jiayang Sun and Tze Lai

w <http://stat.stanford.edu/gps11>

This two-day conference GPS11 will be held at Stanford University in conjunction with the 3rd IWSM (International Workshop in Sequential Methodologies), June 14–16 at Stanford University[see announcement below]; and the WNAR/IMS meeting, June 19–22 at Cal Poly, San Luis Obispo, CA. GPS11 will feature invited lectures on advances and recent developments in probability, mathematical and applied statistics, statistical genetics, and computational biology, in honor of the 70th birthday of Professor David Siegmund.

David Siegmund has made seminal contributions and left far-ranging impacts on these fields. He is the John T. and Sigrid Banks Professor of Statistics at Stanford University, a member of both the National Academy of Sciences and the American Academy of Arts and Sciences, and a Wilks medalist of the ASA. He is serving on the Scientific Advisory Board of American Institute of Mathematics and the US National Mathematics committee. David was a Wald lecturer and Rietz lecturer of IMS, and the president of both Bernoulli Society and the IMS, among many honors and services for the statistical profession and beyond.

The GPS11 registration deadline is **June 6, 2011**.

For more info, see <http://stat.stanford.edu/gps11> or email siegmund-fest@googlegroups.com.

IMS co-sponsored meeting

Third International Workshop in Sequential Methodologies (IWSM)

June 14–16, 2011, Stanford University, Stanford, CA

IMS Rep: Tze Leung Lai

w <http://iws2011.stanford.edu>

IMS co-sponsored meeting

2nd International Workshop on

Integer-Valued Time Series (WINTS 2011)

June 18–21, 2011

Protaras, Cyprus

w <http://www2.ucy.ac.cy/~wints2011/>

IMS Rep: Konstantinos Fokianos

The aim of this meeting is to bring researchers together to discuss their recent contributions to this area. The workshop will cover topics such as integer autoregressive models and their generalizations; generalized linear models for time series; applications and case studies.

IMS co-sponsored meeting

International Statistics Conference 2011

December 28–30, 2011

Colombo, Sri Lanka

w TBC

Organized by the Applied Statistics Association of Sri Lanka (ASASL). IMS Rep: Peter Hall. The meeting location is at the water's edge in the capital city of Sri Lanka. The website is under construction.



IMS co-sponsored meeting

16th INFORMS Applied Probability Society Conference

July 6–8, 2011, Royal Institute of Technology (KTH), Stockholm, Sweden

w <http://meetings.informs.org/APS2011>

The conference focuses on the theory and applications of probability to stochastic systems arising in operations research, computer networks, biology and finance, and also draws specialists in related fields such as statistics and physics. There will be sessions related to operations research, random graphs, random algorithms, stochastic networks, stochastic control and games, mathematical finance, stochastic optimization, call centers, health care, simulation, etc.

Registration deadline **May 1, 2011**.

Contacts: Henrik Hult, Kavita Ramanan, Marty Reiman (co-chairs program committee); Tom Britton, Henrik Hult, Ingemar Kaj, Filip Lindskog (local organizers)

IMS co-sponsored meeting**NSF-CBMS Regional Research Conference:****Mathematical Epidemiology with Applications****July 25–29, 2011****East Tennessee State University, Johnson City, TN****w** <http://www.etsu.edu/cas/math/cbms.aspx>

Carlos Castillo-Chavez and Fred Brauer will give ten keynote lectures, and there will be breakout sessions and formation of working research groups. A poster session will also be held for participants to display their work. Full support will be offered to between 35 and 40 participants.

Please see the website for more details.

IMS co-sponsored meeting**WNAR/IMS Meeting****June 19–22, 2011****San Luis Obispo, California****NEW WEBSITE:** **w** <http://statweb.calpoly.edu/WNAR2011>

IMS Program Chair: Jay Bartroff **e** bartroff@usc.edu

The 2011 WNAR/IMS meeting will be held on the campus of Cal Poly San Luis Obispo, located halfway between San Francisco and Los Angeles. See <http://www.calpoly.edu/visitors/visitors.html> for local information.

Registration is about to open! Please visit the website for updates, and information about the **student paper competition**.

The local organizer is Jimmy Doi **e** jdoi@calpoly.edu

NEW**IMS sponsored meeting****IMS-China International Conference on Statistics and Probability****July 8–11, 2011****XiAn, China**

IMS Organizing Chair: Heping Zhang, Yale University

w <http://www.stat.umn.edu/~statconf/imschina2011/index.html>

We are pleased to announce the 3rd IMS-China International Conference on Statistics and Probability 2011 in XiAn, China. The first two meetings in this series were held in Hangzhou (2008) and WeiHai (2009), China.

The registration deadline is **April 15**.

If you live in China, contact Professor Geng Zhi (zhigeng@pku.edu.cn) and Gong Fuzhou (fzong@mail.amt.ac.cn) for more information. If you live in other countries, send your enquiries in English to Professor Heping Zhang (heping.zhang@yale.edu).

IMS co-sponsored meeting**8th Workshop on Bayesian Nonparametrics****June 26–30, 2011****Veracruz, Mexico****w** <http://www.bnpworkshop.org/>

The workshop aims at presenting the latest developments on Bayesian nonparametric statistics, covering a wide range of theoretical, methodologic and applied areas. The meeting will be structured in 4 tutorials on special topics, a series of invited and contributed talks and contributed posters sessions. Some NSF and BNP2011 travel awards for young researchers are available.

IMS co-sponsored meeting**IMS Asia Pacific Rim Meeting****July 3–6, 2011****Tokyo, Japan****w** <http://www.ims-aprm2011.org/>

The second IMS Asia Pacific Rim Meeting will take place in OMIYA Sonic City conference hall, Tokyo, Japan from July 3–6, 2011. This conference is sponsored by IMS, International Chinese Statistical Association (ICSA), International Indian Statistical Association (IISA), Japan Statistical Society (JSS), Korean Statistical Society (KSS) and the Institute of



Statistical Mathematics (ISM). This meeting series provides an excellent forum for scientific communications and collaborations for researchers in Asia and Pacific Rim. It also promotes communication and collaboration between researchers in this area and those from other parts of the world. The program covers a wide range of topics in statistics and probability, presenting recent developments and the state of the



art in a variety of modern research topics and in applications. Plenary speakers are **Peter Hall** (University of Melbourne), and **S.R.S. Varadhan** (New York University). A number of celebrated scholars will deliver distinguished lectures and invited talks in this conference. Details on the website.

Contact the program chairs: Byeong U. Park (bupark@stats.snu.ac.kr) and Runze Li (rli@stat.psu.edu).

Other meetings around the world

Columbia-Princeton Probability Day 2011

Friday, April 15th, 2011

Princeton University

[w http://orfe.princeton.edu/conferences/cp11/](http://orfe.princeton.edu/conferences/cp11/)

Conference on Stochastic Analysis

in Finance and Insurance

May 17–20, 2011

Ann Arbor, Michigan

[w http://sites.google.com/site/safimichigan/](http://sites.google.com/site/safimichigan/)

Southern Regional Council on Statistics

Summer Research Conference

June 5–8, 2011

Hickory Knob State Park, McCormick, SC

Co-sponsored by NISS and ASA, the annual SRCoS Summer Research Conference is designed to bring together statistical researchers at all levels to learn about current areas of investigation and trends in statistics, including statistics education. The topics are necessarily broad, with care taken to strike a balance between statistical theory and its application to scientific problems. The conference format consists of morning, early afternoon, and evening sessions, leaving late afternoons open for recreation, informal professional discussions and social interaction. Such interactions are important for the development of new researchers and graduate students, whose participation via contributed poster presentations is especially encouraged (graduate student registration is free and some travel funding is available).

This year's program features sessions on: multivariate methods and censored regression; new directions in clinical trials; effective teaching of introductory statistics/biostatistics courses; statistical genetics; analysis of large and high-dimensional data; measurement error and latent variable modelling; and time ordered data. Program Committee co-chairs: Edsel Peña (University of South Carolina), Colin Gallagher (Clemson University).

Hickory Knob State Park is a beautiful state resort park on the shoreline of 70,000-acre Strom Thurmond Reservoir on the Savannah River.

Contact: Summer Research Conference 2011, Department of Statistics, University of South Carolina, Columbia, SC 29208.

[t \(803\) 777-7800](tel:8037777800)

2011 International Conference on Applied Statistics

May 26–27, 2011

Taipei, Taiwan

[w http://www.ntpu.edu.tw/stat/chinese/academics/workshop/1000527-2011-statistics-symposium/index_e.html](http://www.ntpu.edu.tw/stat/chinese/academics/workshop/1000527-2011-statistics-symposium/index_e.html)

The 2011 International Conference on Applied Statistics will be held in Taipei, Taiwan, May 26–27, 2011. Hosted by the Chinese Statistics Association and co-sponsored by ICOSA, covering applied statistics topics especially biopharmaceutical statistics, this conference aims to connect statisticians internationally, to share knowledge and ideas. For conference information (including call for papers and registration), see the website.

Environmental Risk and Extreme Events

July 10–15, 2011

Ascona, Switzerland

[w http://stat.epfl.ch/ascona2011](http://stat.epfl.ch/ascona2011)

Climate change will affect the frequency and severity of environmental extreme events. This workshop will bring together researchers in statistics of extremes and in applied domains, to assess the state of the art in statistical modelling of rare events, to highlight emerging statistical ideas that may be useful in applications, and to identify challenging applied problems that need innovative treatment. Contact: Anthony Davison [e anthony.davison@epfl.ch](mailto:anthony.davison@epfl.ch)

2011 International Workshop on Objective Bayes Methodology (O-Bayes2011)

June 11–15, 2011

East China Normal Univ., Shanghai, China

[w http://www.sfs.ecnu.edu.cn/obayes2011/index.html](http://www.sfs.ecnu.edu.cn/obayes2011/index.html)

The principal objectives of OBayes2011 are to facilitate the exchange of recent research developments in objective Bayes methodology, to provide opportunities for new researchers to shine, and to establish new collaborations and partnerships that will channel efforts into pending problems and open new directions for further study. O-Bayes2011 will also serve to further crystallize objective Bayes methodology as an established area for statistical research. The workshop will consist of a tutorial session, a series of invited talks followed by discussion and a poster session dedicated to contributed work. Please check the conference website for more information.

PROBASTAT 2011

July 4–8, 2011

Smolenice, Slovak Republic

[w http://www.um.sav.sk/en/probastat2011.html](http://www.um.sav.sk/en/probastat2011.html)

PROBASTAT 2011, the Sixth International Conference on Probability and Statistics, will be held in Smolenice Castle, Slovakia, from July 4 to July 8, 2011. Contact: Viktor Witkovsky [e witkovsky@savba.sk](mailto:witkovsky@savba.sk)

Young Statisticians Meeting (YSI 2011)**ISI Satellite Meeting****August 19–21, 2011****Dublin, Ireland****w** <http://www.scss.tcd.ie/conferences/YSI2011>

As a satellite meeting to the 2011 ISI World Congress, and the first of its kind, YSI 2011 seeks to promote the active participation of early career statisticians in the epicentre of the ISI World Congress.

The meeting will give the opportunity for young statisticians to present their work in an encouraging and heartening environment, build scientific bonds with colleagues in their respective fields, and learn from and interact with some of the leaders of the discipline in an informal, compact and conducive environment.

Nonparametrics and Geometry**August 15–19, 2011****Prague, Czech Republic****w** <http://nonparam11.karlin.mff.cuni.cz>

The aim of the workshop is to bring together a group of researchers in the areas of Nonparametric Statistics, and Applied Geometry. Contact: Daniel Hlubinka

e nonparam2011@karlin.mff.cuni.cz**useR! 2011****August 16–18, 2011****University of Warwick, Coventry, UK****w** <http://www.R-project.org/useR-2011>**e** useR-2011@R-project.org

A conference centred on the use of R for data analysis and statistical computing. The conference schedule comprises invited lectures and user-contributed sessions. In addition half-day tutorials presented by R experts will run on August 15, 2011, prior to the conference.

International Association for Official Statistics conference***"The Demography of Ageing and Official Statistics"*****August 17–19, 2011****Belfast, Northern Ireland**<http://www.nisra.gov.uk/IAOS2011.html>

The conference will consist of 12 invited renowned speakers, including keynote speaker Dr Richard Suzman (Director of Social Research at United States National Institute on Aging).

The Belfast IAOS conference is a satellite of the 2011 ISI biennial conference (see flyer below). Bus transportation will be available to Dublin after this conference.



ISI 2011 DUBLIN 2011 58th Congress - Aug 21st - 26th

www.isi2011.ie

The ISI has held biennial Congresses since 1853 and recent sessions have attracted over 2,500 delegates. Participants include academics, government and private sector statisticians and related experts from various institutes.

The Central Statistics Office, Ireland, invites you to participate in the 58th World Statistics Congress of the International Statistical Institute (ISI) which will be held in Dublin from 21st to 26th August 2011.

The Scientific Programme of the 58th Congress will offer delegates innovative and stimulating topics with well-balanced presentations. A key feature of the 58th Congress will be the special Theme Day to be held on Wednesday 24th August, where papers will be devoted to statistical issues relating to Water and Water Quality.

The 58th Congress will be held in the Convention Centre Dublin (CCD), Ireland's new world-class, purpose-built international conference and event venue. The CCD is located in Dublin's city centre, on the banks of the River Liffey.



Graybill 2011 Conference “Modern Nonparametric Methods”**June 22–24, 2011****Hilton Hotel, Colorado State University, Fort Collins, Colorado****W** <http://www.stat.colostate.edu/graybillconference/>

Well-developed nonparametric methods are an essential part of modern data analysis, and an important and growing research topic within statistics. The focus of the conference is on nonparametric and semiparametric modeling and functional estimation methods. The program consists of a short course, invited plenary talks and a contributed poster session.

The conference will bring together some of the top researchers in this area, and the topics of the presentations will range from general overviews of relevant statistical material to more specialized presentations of current developments. The focused yet relaxed nature of the conference will allow for concentrated discussion and interaction among the participants. Following the conference, there will be opportunities for various outdoor activities in the area.

In order to encourage students to participate, we are planning a student poster competition, with the winners receiving travel support awards. The short course on semiparametric regression by Matt Wand will provide a hands-on introduction to the topics in the conference and is particularly suitable for students and other people interested in learning more about smoothing methods.

The conference is co-sponsored by the Department of Statistics at Colorado State University and the ASA Section on Nonparametric Statistics.

If you have questions about the conference, send an email GraybillConference@Stat.ColoState.Edu. We look forward to welcoming you in Fort Collins and Northern Colorado!

One of the post-conference activities on offer is whitewater rafting; see <http://www.stat.colostate.edu/graybillconference/Graybill%20PostConfActivities.html>



Calmer waters near Fort Collins, Colorado

**Keynote Speakers:**

Jon Wellner, U. of Washington, Seattle
David Ruppert, Cornell U.
Jianqing Fan, Princeton U.
Ingrid Van Keilegom, U. Catholique de Louvain, Belgium

Invited Speakers:

Mouli Banerjee, U. of Michigan
Gerda Claeskens, Katholieke U. Leuven, Belgium
Aurore Delaigle, U. of Melbourne, Australia
Wenceslao Gonzalez-Manteiga, U. de Santiago de Compostela, Spain
Joshua Habiger, Oklahoma State U.
Marc Hallin, U. Libre de Bruxelles, Belgium
Geurt Jongbloed, Technische U. Delft, Netherlands
Goran Kauermann, U. Bielefeld
Xihong Lin, Harvard U.
Reza Modarres, George Washington U.
Bodhisattva Sen, Columbia U.
Jiayang Sun, Case Western U.
Naisyin Wang, U. of Michigan
Yazhen Wang, U. of Wisconsin–Madison
Yuhong Yang, U. of Minnesota
Hui Zou, U. of Minnesota

2011 NISS/ASA Writing Workshop for Junior Researchers Sunday 31 July & Wednesday 3 August at JSM Miami

w <http://www.amstat.org/meetings/wwjr/>

The National Institute of Statistical Science (NISS) and the ASA will hold a writing workshop at JSM for junior



researchers. The goal of the workshop is to provide instruction in how to write journal articles and grant proposals. Participants will be required to provide a recent sample of their writing, which will be reviewed by a senior mentor. The sample could be a current draft of an article to be submitted for publication, or it could be an early version of a grant proposal. (Submission of the manuscript will be required as part of the registration process. Prior experience suggests that the best results come from submitting an early draft of something that is written solely or primarily by the participant.)

The mentors will be former journal editors and program officers, who will critique (a portion of) the submitted material. Individual feedback will be provided as part of the opening session, and participants will be expected to prepare a revision in response. The workshop will open with a one-day session of general instruction in effective writing techniques and will close with discussion and debriefing at a follow-up lunch.

The full-day session is scheduled for Sunday, July 31, in Miami Beach, FL. At the close of the formal activities, mentors will meet individually with participants to go over the writing samples they submitted. Each participant will then prepare a revision of a critiqued portion of the paper and return this to the mentor by Tuesday evening, August 2. Mentors and participants will meet again in conjunction with a lunch on Wednesday, August 3, to discuss the success of the revisions. The lunch program will also include general feedback to participants, mentors, and organizers.

Attendance will be limited and will depend on the number of mentors available. Applications (see website above) are due by **June 1, 2011**, and successful applicants will be notified by June 30. Applications received after June 1 will be considered if space is available. There is no fee for participation. Participants will receive lunch on Sunday, July 31, and Wednesday, August 3. Participants must agree to attend both the full Sunday session and the Wednesday lunch. We anticipate funding for partial travel support.

This workshop is designed for researchers with a recent Ph.D. in either statistics or biostatistics. Top priority will go to those who have held the Ph.D. for 0–3 years. The limited available funding will be used to support attendance by researchers at U.S. institutions. Current Ph.D. students who are completing their degree before the end of the summer and who will be at US institutions in the fall will also be considered. If space is available, researchers at institutions outside the US will be admitted to the workshop, but will not be provided with travel support.

For more information see the website or contact Keith Crank, Research and Graduate Education, American Statistical Association • keith@amstat.org

The First International Symposium on System Informatics and Engineering July 11–13, 2011

Qingdao, China

w <http://issie2011.qdu.edu.cn>

Due to significant advancement in computer hardware/software technology and automated data collection systems, there are tremendous opportunities for interdisciplinary research in combining quantitative modeling (e.g., statistics, data mining, machine learning, simulation, and operation research) with technology-driven engineering and domain knowledge to make significant scientific, social, and economic impacts. How to model, extract, and make use of the hidden knowledge based on the domain knowledge and the vast data sources to improve overall system performance, maintainability, and adaptability, poses many research and practical challenges, defying the state of the art methodological frameworks, algorithms, and systems design and implementation principles.

The purpose of the International Symposium series on System Informatics and Engineering (ISSIE) is to bring together researchers and practitioners interested in the theory and applications of system-driven knowledge discovery and design/operations improvement in a wide range of domains and disciplines. Topics of interest include but are not limited to: System informatics principles and methods; Informatics-driven system engineering methods and applications; Data mining, machine learning, and artificial intelligence; Quality and reliability informatics and engineering; System and network security; Prognostics and system health management; Bioinformatics, health and medical informatics; Industrial informatics and control; Forecasting techniques and applications; and Data-driven business intelligence and customer relation management.

Third International Workshop on Internet Survey Methods
"Expansion of the Internet Survey and a Paradigm Shift for Statistical Production"
September 7–8, 2011
Statistical Center of Statistics Korea, Daejeon, South Korea

w www.kostat.go.kr

Call for Papers

Statistics Korea's 3rd International Workshop on Internet Survey Methods will take place at the Statistical Center in Daejeon, Korea on September 7–8, 2011. The Workshop will focus on the "Expansion of the Internet Survey and a Paradigm Shift for Statistical Production" while bringing together statisticians from national statistical agencies from around the world and methodologists from private organizations and universities. A wealth of major issues will be discussed and we strongly believe that participants will be able to acquire advanced knowledge, enriching both individuals and organizations. All those with a special interest in statistical or methodological issues are welcome to this workshop.

We invite papers dealing with the following sub-themes:

- Workshop Theme: "Expansion of the Internet Survey and a Paradigm Shift for Statistical Production"
- Major Issues and Challenges of the Internet Survey: Improvement of Accuracy and Reliability
- Recent Research Trends in Survey Methodology
- Experiences of Official Statistics in Recent Survey Methods
- The Statistical Use of Administrative Data

Proposals for papers must be submitted online via email to azealia1@korea.kr by **6 May 2011**. A proposal should include an abstract that does not exceed 500 words, excluding the title, name(s) and affiliation(s).

Please note that the official language of the Workshop is English, and all presentations must be delivered in this language.

Acceptance notification will be sent by the end of May. Speakers must submit their final papers/presentations by **15 August 2011**. This deadline should be met in order to publish the proceedings of the Workshop.

We will provide speakers with a suitable amount of financial support.

Contact: Sangjin Park **e** sjpark92@korea.kr or Sujung Kim

e azealia1@korea.kr

2011 New England Symposium on Statistics in Sports
September 24, 2011
Cambridge, MA

w <http://www.amstat.org/chapters/boston/nensis11.html>

This is a meeting of statisticians and quantitative analysts connected with sports teams, sports media, and universities to discuss common problems of interest in statistical modeling and analysis of sports data. The symposium format will be a mixture of invited talks, a poster session, and a panel discussion. One of the sponsors (StatDNA) is holding a research competition on soccer analytics, the winner earning a cash prize and an invited speaker slot. A prize will also be awarded to the best student poster.

Abstract submissions are due **June 15, 2011**.



10th German Probability and Statistics Days
2012 -- Stochastik-Tage Mainz
March 6–9, 2012
Mainz, Germany

w <http://gpsd2012.uni-mainz.de/>

2011 International Conference on Statistics and Probability
Commemorating the 40th anniversary of the Korean Statistical Society
July 1–2, 2011
Westin Chosun, Busan, Korea

w <http://www.kss-icsp2011.org/main/>

The conference is organized by the Korean Statistical Society and sponsored by Statistics Korea and Bank of Korea. The conference features Peter Hall and S. R. S. Varadhan as keynote speakers and a number of invited sessions covering a wide range of topics in statistics and probability. You are cordially invited to attend this two-day conference. Details are on the website.

Contact the organizing committee chair: Byeong U. Park (bupark@stats.snu.ac.kr or bupark2000@gmail.com)

Conference on Risk Assessment and Evaluation of Predictions October 12–14, 2011

Washington DC/ Silver Spring MD

w <http://brac.umd.edu/~Risk2011/Main.htm>

The conference will cover a wide range of topics, including applications of risk models in cancer studies, assessing the accuracy of risk models, competing risks models, evaluation of prediction models, disease incidence and risk prediction in the population level, genetic susceptibility risk models, individualized disease risk prediction, infectious diseases and epidemic risks, markers of disease genes and clinical trials, model evaluation and validation, etc.

Confirmed invited speakers include: Elizabeth Claus, Yale School of Public Health; Nilanjan Chatterjee, Chief, Biostatistics Branch, DCGE, NCI; Chao Chen, USA Environmental Protection Agency; Ralph D'Agostino, Boston University; Victor DeGruttola, Harvard University; Jason Fine, University of North Carolina; Andrew Freedman, Branch Chief, CTEB, NCI; Mitchell Gail, Senior Investigator, DCGE, NCI; Holly Janes, Fred Hutchinson Cancer Research Center; Benjamin Kedem, University of Maryland; Christoph Lange, Harvard University; Ker-Chau Li, Statistical Institute, Academia Sinica, Taiwan; Giovanni Parmigiani, Harvard University; Margaret Pepe, University of Washington; Ruth Pfeiffer, DCGE, NCI; Philip Rosenberg, Biostatistics Branch, DCGE, NCI; Amir Sapkota, Maryland Institute of Applied Environmental Health; Richard Simon, Biometric Branch, NCI; Hajime Uno, Dana Farber Cancer Institute; Mei-Cheng Wang, Johns Hopkins University; Sue Jane Wang, Food and Drug Administration; Bruce Weir, University of Washington; George Whitmore, McGill University; Grace Yang, University of Maryland.

In addition to invited and contributed sessions, two tutorials will be given at the conference. Registered participants may attend these tutorials without additional fee. Specifically, Drs. Mitchell Gail and Ruth Pfeiffer will present “Absolute Risk Prediction”; and Dr. Margaret Pepe will present “Current Methods for Evaluating Prediction Performance of Biomarkers and Tests”.

The deadline for submitting abstracts for contributed papers and posters is **July 30, 2011**. Papers presented at the conference may be considered for publication in *Lifetime Data Analysis*. For further information on topics, registration, accommodations, etc. please visit the conference website or contact the Conference Organizer, Prof. Mei-Ling Ting Lee mltlee@umd.edu

Third biennial International Statistical Ecology Conference July 3–6, 2012

University of Oslo, Norway

w <http://www.cees.uio.no/news/2010/isec2012.html>

First Announcement

The third biennial International Statistical Ecology Conference will be held 3–6 July, 2012, hosted by the Centre for Ecological and Evolutionary Synthesis at the Department of Biology of the University of Oslo. The conference location will be the Sundvolden Hotel outside Oslo.

We have an extraordinary group of plenary speakers, whose general topics are:

Nils Chr. Stenseth, Univ. of Oslo (Norway): Opening remarks
Steinar Engen, Norwegian Univ. of Science and Technology (Norway): stochastic age-structured modelling, including dynamics, genetics and some estimation

Rachel Fewster, Univ. of Auckland (N.Z.): genetics in statistical ecology

Joanne Flemming, Dalhousie University (Canada): The Ocean Tracking Network: visualization tools and novel analyses for acoustic tracking data

Otto Ovaskainen, Univ. of Helsinki (Finland): the analysis of spatial data: individual movements and species and community models

Andre Punt, Univ. of Washington (USA): estimating precautionary thresholds for US west coast fisheries

Andy Royle, Patuxent Wildlife Research Center (USA): Incorporating auxiliary spatial information in capture-recapture models

Len Thomas, Univ. of St. Andrews (UK): The future of statistical ecology

Workshops in the area of ecological statistics will also be conducted at the venue just prior to the conference. We will also be soliciting contributed talks and poster presentations; we will begin accepting abstracts in the second half of 2011. Further details are available at the conference website.

Please place the dates of this conference into your diaries (3–6 July 2012) and visit the conference website for updates and further information.

Contact: Tore Schweder (for the Local Organising Committee)

Other meetings around the world

SAMSI Interdisciplinary Workshop for Undergraduates and Faculty May 16–20, 2011 in Research Triangle Park, NC

<http://www.samsi.info/workshop/interdisciplinary-workshop-undergraduate-students-and-faculty-may-16-20-2011>

SAMSI 2011 Industrial Math/Stat Modeling Workshop for Graduate Students

July 7–15, 2011 in Raleigh, NC at NCSU

<http://www.samsi.info/workshop/2011-industrial-mathstat-modeling-workshop-graduate-students-july-7-15-2011>

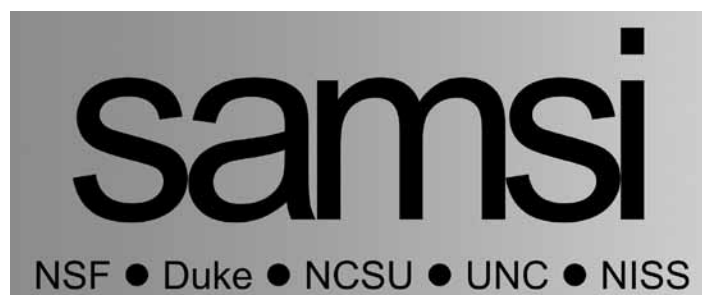
SAMSI/Sandia Summer School for Uncertainty Quantification June 20–24, 2011 in Albuquerque, NM

<http://www.samsi.info/workshop/samsisandia-summer-school-uncertainty-quantification>

SAMSI 2011–2012 Uncertainty Quantification Program: Climate Modeling Opening Workshop August 29–31, 2011 in Pleasanton, CA

<http://www.samsi.info/workshop/2011-12-ug-program-climate-modeling-opening-workshop>

SAMSI 2011–2012 Uncertainty Quantification Program:



Methodology Opening Workshop

September 7–10, 2011 in Research Triangle Park, NC

<http://www.samsi.info/workshop/2011-12-program-uncertainty-quantification-opening-workshop-and-tutorials>

SAMSI 2011–2012 Uncertainty Quantification Program: Engineering and Renewable Energy Opening Workshop September 19–21, 2011 in Research Triangle Park, NC

<http://www.samsi.info/workshop/uq-engineering-and-renewable-energy-workshop-september-19-21-2011>

SAMSI 2011–2012 Uncertainty Quantification Program: Geosciences Applications Opening Workshop September 21–23, 2011 in Research Triangle Park, NC

<http://www.samsi.info/workshop/2011-12-ug-program-geosciences-applications-opening-workshop>

Employment Opportunities around the world

Chile: Santiago

Pontificia Universidad Catolica de Chile, Department of Statistics

Assistant Professor of Statistics

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=7746048

Switzerland: Lausanne

Swiss Federal Institute of Technology, Lausanne (EPFL)

Postdoctoral Position(s) in Statistics/Applied Probability at EPFL

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=7797544

Switzerland: Zurich

KOF Swiss Economic Institute/ETH Zurich

Time Series Specialist

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=7722272

United Kingdom: Cambridge

University of Cambridge

Research Associateships in Probability Theory

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=7794166

United Kingdom: Glasgow

University of Glasgow, School of Mathematics & Statistics

Chair of Statistics

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=7720195

United States: Champaign, IL

University of Illinois at Urbana-Champaign

Visiting Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=7673675

International Calendar of Statistical Events

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

April 2011

April 11–13: Bordeaux, France. 3rd International Biometrics Society Channel Network Conference. **e** ibschannel@isped.u-bordeaux2.fr
w <http://www.ibs-channel-bordeaux2011.fr>

NEW **April 15:** Princeton University. Columbia-Princeton Probability Day 2011 **w** <http://orfe.princeton.edu/conferences/cp11/>

April 16: Storrs, Connecticut. 25th New England Statistics Symposium **w** www.stat.uconn.edu/ness11

 **April 21–24:** NC State University, Raleigh, NC, USA. 2011 IISA Conference on Probability, Statistics and Data Analysis.
w <http://www.iisaconference.info>

April 29 – May 1: Georgia Institute of Technology, Atlanta, GA. Graduate Student Probability Conference
w <http://gspc.math.gatech.edu/>

May 2011

May 8–12: Houston, Texas. 4th Lehmann Symposium
w www.stat.rice.edu/~jrojo/4th-Lehmann

May 16–20: SAMSI, Research Triangle Park, NC. Education and Outreach Program: Interdisciplinary Workshop for Graduates
w <http://www.samsi.info>

NEW **May 17–20:** Ann Arbor, Michigan. Conference on Stochastic Analysis in Finance and Insurance
w <http://sites.google.com/site/safimichigan/>

May 19–20: Hasselt University, Belgium. International Symposium on Recent Advances in Statistics and Probability
w www.uhasselt.be/ISRASP

May 24–27: Nanyang Technological University, Singapore. High Dimensional Statistics: Advances and Challenges
w <http://www1.spm.s.ntu.edu.sg/~stats>

NEW **May 26–27:** Taipei, Taiwan. 2011 International Conference on Applied Statistics **w** http://www.ntpu.edu.tw/stat/chinese/academics/workshop/1000527-2011-statistics-symposium/index_e.html

May 31 – June 3: Agios Nikolaos, Crete, Greece. 4th Chaotic

Modeling and Simulation International Conference: CHAOS2011
w www.cmsim.org

June 2011

NEW **June 5–8:** Hickory Knob State Park, McCormick, SC. Southern Regional Council on Statistics Summer Research Conference **t** (803) 777-7800

June 5–10: Ascona, Switzerland. Workshop on Statistical Challenges and Biomedical Applications of Deep Sequencing Data **w** <http://www.cbg.ethz.ch/news/ascona2011>

June 7–10: Università La Sapienza, Rome, Italy. ASMDA 2011: XIV International Conference on Applied Stochastic Models and Data Analysis **w** www.asmda.eu

NEW **June 11–15:** East China Normal Univ., Shanghai, China. 2011 International Workshop on Objective Bayes Methodology (O-Bayes2011) **w** <http://www.sfs.ecnu.edu.cn/obayes2011/index.html>

June 12–15: Wolfville, Nova Scotia, Canada. 2011 SSC Annual Meeting **w** <http://www.ssc.ca/en/meetings/2011>


 **June 13–17:** Penn State University, USA. Statistical Challenges in Modern Astronomy V. **w** <http://astrostatistics.psu.edu>

June 13–17: Firenze/Florence, Italy. 4th La Pietra week in Probability at Finaly. **w** <http://php.math.unifi.it/users/paf/LaPietra2011>

June 13–17: Norrällsviken, Sweden. 3rd Baltic-Nordic Conference on Survey Statistics (BaNoCoSS)
w <http://www.mathstat.helsinki.fi/msm/banocoss/2011/>

June 14–16: Stanford University, CA. 3rd International Workshop in Sequential Methodologies (IWSM)
w <http://iws2011.stanford.edu>

 **June 17–18:** Stanford, CA. Conference in Genetics, Probability and Statistics, in Honor of David Siegmund
w <http://stat.stanford.edu/gps11>


 **June 18–21:** Protaras, Cyprus. WINTS2011: 2nd International Workshop on Integer-Valued Time Series **w** <http://www2.ucy.ac.cy/~wints2011/>

Continues on page 40

International Calendar *continued*

June 2011 continued

 June 19–22: San Luis Obispo, California. **WNAR/IMS Meeting**. **NEW WEBSITE:** <http://statweb.calpoly.edu/WNAR2011>

 June 19–25: Oaxaca, Mexico. **35th Conference on Stochastic Processes and their Applications**. **w** <http://www.matem.unam.mx/SPA2011/>

June 20–24: Beijing Institute of Technology, China. **Seventh International Conference on Mathematical Methods in Reliability**
w www.mmr2011.cn

June 20–24: Institut Elie Cartan, Nancy, France. **Journées de Probabilités 2011** **w** <http://jp2011.iecn.u-nancy.fr/> (in French)

NEW June 22–24: Fort Collins, Colorado. **Graybill 2011 Conference “Modern Nonparametric Methods”** **w** <http://www.stat.colostate.edu/graybillconference/>

June 26–29: New York City, NY, USA. **ICSA 2011 Applied Statistics Symposium**. **w** <http://www.icsa.org/2011/>

 June 26–30: Veracruz, Mexico. **8th Workshop on Bayesian Nonparametrics**. **w** <http://www.bnppworkshop.org/>

June 27 – July 1: University of Lyon, France. **7th Conference on Extreme Value Analysis, Probabilistic and Statistical Models and their Applications (EVA 2011)** **w** <http://eva2011.univ-lyon1.fr/>

June 27 – July 1: Valladolid, Spain. **ICORS 2011: International Conference on Robust Statistics** **e** congreso.icors2011@uva.es
w <http://www.icors11.uva.es>

July 2011

NEW July 1–2: Westin Chosun, Busan, Korea. **2011 International Conference on Statistics and Probability** and 40th anniversary of the Korean Statistical Society **w** <http://www.kss-icsp2011.org/main/>

July 1–4: Montreal, Canada. **Statistics 2011 Canada / IMST-2011-FIM XX** **w** <http://www.stat2011.ca>

 July 3–6: Tokyo, Japan. **IMS Asia Pacific Rim Meetings**. **w** <http://www.ims-aprm2011.org/>

 July 4–5: Paris, France. **Patient-Reported Outcomes and Quality of Life**. **w** <http://www.lsta.upmc.fr/PROQOL/>

 July 6–8: Stockholm, Sweden. **INFORMS Applied Probability Society Conference** **w** <http://www.informs.org/Community/Conferences/APS2011>

 July 8–11: XiAn, China. **IMS-China International Conference on Statistics and Probability**. IMS Organizing Chair: Heping Zhang. **w** <http://www.stat.umn.edu/~statconf/imschina2011/index.html>

NEW July 10–15: Ascona, Switzerland. **Environmental Risk and Extreme Events** **w** <http://stat.epfl.ch/ascona2011>

NEW July 11–13: Qingdao, China. **The First International Symposium on System Informatics and Engineering** **w** <http://issie2011.qdu.edu.cn>


 July 11–22: Ithaca, NY. **7th Cornell Probability Summer School**. **w** <http://www.duke.cornell.edu/~rtd/CPSS2011/>


July 18–19: Vancouver, Canada. **ICIAM 2011: AWM Workshop for Women Graduate Students and Recent PhDs**. **Deadline has passed** **w** <https://sites.google.com/site/awmmath/programs/workshops/ICIAM-workshop>


July 18–22: Vancouver, Canada. **ICIAM 2011: 7th International Congress on Industrial and Applied Mathematics**
w <http://www.iciam2011.com/>

July 18–26: SAMSI, Research Triangle Park, NC. **Education and Outreach Program: Industrial Math/Stat Modeling Workshop for Graduate Students** **w** <http://www.samsi.info>

July 21–23: Bangkok, Thailand. **7th IMT-GT International Conference on Mathematics, Statistics and its Application (ICMSA 2011)** **w** <http://icmsa2011.nida.ac.th>

 July 25–29: East Tennessee State University, Johnson City, TN. **NSF-CBMS Regional Research Conference: Mathematical Epidemiology with Applications**
w <http://www.etsu.edu/cas/math/cbms.aspx>

NEW  July 27–31: Stevens Institute of Technology, Hoboken, New Jersey. **Conference on Modeling High Frequency Data in Finance 3** **w** <http://kolmogorov.math.stevens.edu/conference2011/>

 July 30 – August 4: Miami Beach, Florida. **IMS Annual Meeting at JSM2011**. **w** <http://amstat.org/meetings/jsm/2011/>

NEW July 31 & August 3: at JSM Miami. 2011 NISS/ASA Writing Workshop for Junior Researchers **w** <http://www.amstat.org/meetings/wwjr/>

August 2011

August 1–4: Boulder, Colorado, USA. Uncertainty Quantification in Scientific Computing. **w** <http://www.nist.gov/itl/math/ifip-woco-10.cfm>

August 1–5: Sandbjerg Estate, Sønderborg, Denmark. Conference in Honour of Søren Asmussen: New Frontiers in Applied Probability **w** www.thiele.au.dk/asmussen

August 11–13: University of Connecticut, Storrs, USA. 46th Actuarial Research Conference. **w** <http://www.math.uconn.edu/~valdez/46arc/46arc-storrs.php>

NEW August 15–19: Prague, Czech Republic. Nonparametrics and Geometry **w** <http://nonparam11.karlin.mff.cuni.cz>

NEW August 16–18: University of Warwick, Coventry, UK. useR! 2011 **w** <http://www.R-project.org/useR-2011>

NEW August 17–19: Belfast, Northern Ireland. International Association for Official Statistics conference “*The Demography of Ageing and Official Statistics*” **w** <http://www.nisra.gov.uk/IAOS2011.html>

August 17–19: Copenhagen, Denmark. Dynamic Statistical Models [ISI Satellite Meeting] **w** <http://statistics.ku.dk/isi-satellite/>

NEW August 19–21: Dublin, Ireland. Young Statisticians Meeting (YSI 2011) *ISI Satellite Meeting* **w** <http://www.scss.tcd.ie/conferences/YSI2011>

August 21–26: Dublin, Ireland. ISI Dublin: 58th World Statistics Congress **w** www.isi2011.ie

August 29 – September 1: Washington DC, USA. 7th International Conference on Multiple Comparison Procedures **w** <http://www.mcp-conference.org>

September 2011

September 5–9: Lisbon, Portugal. 17th European Young Statisticians Meeting **w** <http://www.fct.unl.pt/17eysm>

NEW September 7–8: Statistical Center of Statistics Korea, Daejeon, South Korea. Third International Workshop on Internet Survey Methods **w** www.kostat.go.kr

September 12 – December 16: Institute for Pure and Applied Mathematics, Los Angeles, USA. Mathematical and Computational Approaches in High-Throughput Genomics **w** www.ipam.ucla.edu/programs/gen2011/

September 13–16: Jaca, Spain. Statistics, Probability and Operations Research (SPO 2011) **w** <http://metodosestadisticos.unizar.es/~jaca2011>

NEW September 24: Cambridge, MA. 2011 New England Symposium on Statistics in Sports **w** <http://www.amstat.org/chapters/boston/nessis11.html>

October 2011

NEW  October 3–4: ETH Zurich, Switzerland. Colloquium in honor of Hans Rudolf Künsch on the occasion of his 60th birthday **w** https://stat.ethz.ch/events/Colloquium_Kuensc

NEW October 12–14: Washington DC/ Silver Spring MD. Conference on Risk Assessment and Evaluation of Predictions **w** <http://brac.umd.edu/~Risk2011/Main.htm>

October 18–20: Harvard Medical School, Cambridge, Mass. 2011 Non-clinical Biostatistics Conference **w** <http://www.hsph.harvard.edu/ncb2011/>

November 2011

November 7–9: Łódź, Poland. Multivariate Statistical Analysis Conference **w** <http://www.msa.uni.lodz.pl>

November 25–27: Lahore, Pakistan. 3rd International Conference on Statistical Sciences **w** <http://www.icss3.co.nr/>

December 2011

 December 28–30: Colombo, Sri Lanka. International Statistics Conference 2011. **w** TBC

International Calendar *continued*

December 2011 continued

December 28–31: Hong Kong, China. **International Conference on Advances in Probability and Statistics Theory and Applications: A celebration of N. Balakrishnan's 30 years of contributions to statistics.** e icaps2011@gmail.com w <http://faculty.smu.edu/ngh/icaps2011.html>

April 2012

 April 1–4: Washington DC, USA. **2012 ENAR/IMS Spring Meetings.** w <http://www.enar.org/meetings.cfm>


April 18–20: Poznań, Poland. **International Congress of Polish Statistics** to celebrate the 100th anniversary of the Polish Statistical Association w <http://www.stat.gov.pl/pts/>

June 2012


June 3–6: Guelph, Ontario, Canada. **SSC Annual Meeting** w TBC

June 23–26: Boston, MA, USA. **ICSA 2012 Applied Statistics Symposium.** w TBC

July 2012

 July 3–6: University of Oslo, Norway. **Third biennial International Statistical Ecology Conference** w <http://www.cees.uio.no/news/2010/isec2012.html>

 July 9–14: Istanbul, Turkey. **IMS Annual Meeting 2012 in conjunction with 8th World Congress in Probability and Statistics.** w <http://www.worldcong2012.org/>

 July 16–18: Memorial University, St. John's, Canada. **International Symposium in Statistics (ISS) on Longitudinal Data Analysis Subject to Outliers, Measurement Errors, and/or Missing Values** w www.iss-2012-stjohns.ca

 July 28 – August 2: San Diego, California. **JSM2012.** w <http://amstat.org/meetings/jsm/2012/index.cfm>

March 2013

 March 10–13: Orlando, Florida. **2013 ENAR/IMS Spring Meeting.** w <http://www.enar.org/meetings.cfm>


July 2013

  July 29 – August 2: University of Colorado, Boulder, USA. **36th Conference on Stochastic Processes and their Applications** w TBC

August 2013

 August 3–8: Montréal, Canada. **IMS Annual Meeting at JSM2013.** w <http://amstat.org/meetings/jsm/>

March 2014

 March 16–19: Baltimore, Maryland. **2014 ENAR/IMS Spring Meeting.** w <http://www.enar.org/meetings.cfm>

July 2014

 July 7–11: Sydney, Australia. **2014 IMS Annual Meeting.** w TBC

August 2014

 August 2–7: Boston, MA. **JSM2014.** w TBC

August 2015

 August 8–13: Seattle, WA. **JSM2015.** w TBC

Are we missing something? If you know of any statistics or probability meetings which aren't listed here, please let us know. Email the details to Elyse Gustafson at erg@imstat.org. We'll list them here in the *Bulletin*, and online too, at www.imstat.org/meetings

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next
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**June/July
2011**

Meeting reports, news
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