

August/September 2006

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Jeffrey Rosenthal wins CRM-SSC Prize

Jeffrey Rosenthal, Professor in the Department of Statistics at the University of Toronto, is the 2006 winner of the CRM-SSC prize. Dr Rosenthal's elegant and landmark results set him as one of the leaders in the development of Markov chain Monte Carlo methods. Within 15 years of his PhD, Jeffrey Rosenthal has made outstanding contributions to asymptotic theory related to Markov processes and, with great insight and ingenuity, to clarifying the practical implications of theory in this area. Jeffrey Rosenthal is a powerful researcher, gifted with a natural ability to translate difficult concepts. His extensive collaborations reflect his expansive interests and his emphasis on practical aspects of theoretical results.



Jeffrey received his BSc from the University of Toronto in 1988, and an MA (1990) and PhD (1992) from Harvard University. His PhD supervisor was Persi Diaconis and it was at Harvard that Jeffrey Rosenthal's interest in applications and practical issues was piqued. In a series of elegant papers which are rich with mathematical analysis, Jeffrey has studied convergence rates of MCMC algorithms, for hybrid samplers, slice samplers, time-inhomogeneous chains and time-sampled chains. He has published several key theoretical papers in leading journals and has received many honours and awards over his career, including being elected IMS Fellow in 2005.

Jeffrey is an outstanding teacher, with a great interest in bringing statistical concepts to a wider audience. With his recent book, *Struck by Lightning*, Jeff makes statistics and probability accessible to the general audience in entertaining ways. Entertainment is also part of his comedy act at the Bad Dog theatre in Toronto where he performs improv with his troupe. Improv is an intellectual sport where troupe members cast one-liners at each other to build momentum to a punch line. Amateur comic Jeffrey Rosenthal and his troupe bring the house down in laughter on wintry Friday evenings. He also plays and performs guitar, keyboard, harmonica, saxophone, trumpet, penny whistle, and bongo drums.

This announcement of the 2006 CRM-SSC prize was made at University of Western Ontario in London, site of this year's Annual Meeting of the Statistical Society of Canada. This prestigious award, jointly sponsored by the SSC and the Centre de recherches mathématiques (CRM), is given each year to a Canadian statistician in recognition of outstanding contributions to the discipline during the recipient's first 15 years after earning a doctorate.

Jeffrey Rosenthal is the eighth recipient of the CRM-SSC Prize. Previous winners of the award were Christian Genest (Laval), Robert J. Tibshirani (Stanford), Colleen D. Cutler (Waterloo), Larry A. Wasserman (Carnegie Mellon), Charmaine B. Dean (Simon Fraser), Randy Sitter (Simon Fraser) and Jiahua Chen (Waterloo).

all
2006
election
results
inside!

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IMS Members' News



Jianqing Fan



Anthony Davison



Frank den Hollander

IMS Council Election Results

IMS election results are in. **Jianqing Fan** is the 2006–07 President-elect. The new IMS Council members are, in alphabetical order:

Anthony Davison

Frank den Hollander

Iain Johnstone

Karen Kafadar

Xiao-Li Meng

They will join Council at the IMS Annual Meeting. Leaving Council this year are **Thomas DiCiccio**, **Richard Gill**, **Hans R. Künsch**, **Christian P. Robert**, and **Ruth J. Williams**. Many thanks to them for their work over the past three years!

IMS members also voted on two amendments to the constitution and bylaws, proposing a change to voting procedures for IMS Council, and allowing for the addition of an Information Technology Secretary. Both amendments passed.



Iain Johnstone



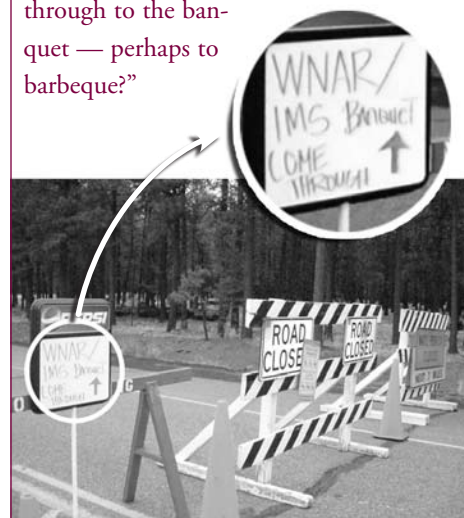
Karen Kafadar



Xiao-Li Meng

Anissa Anniss reports that **V.P. Godambe**, Distinguished Professor Emeritus of the Department of Statistics and Actuarial Science at the University of Waterloo, Canada, has had two celebrations of his eightieth birthday. In Nagpur, India, the Department of Statistics at the Institute of Science held a National Conference to commemorate the Golden Jubilee of Godambe's 1955 seminal paper, "A unified theory of sampling from finite populations", published in *J. Roy. Stat. Soc. Ser. B*. And in Canada, the Department of Statistics and Actuarial Science at Waterloo organized a series of invited lectures on Estimating Functions, at the Statistical Society of Canada's yearly meetings. The topic was founded by Godambe in 1960, in the *Annals of Mathematical Statistics*.

Michael D. Perlman, University of Washington, recently attended the IMS/WNAR meeting in Flagstaff, Arizona. He sent in this great photos, saying that it "shows the fearlessness of IMS members. All forest roads were closed due to fire danger, but we statisticians were allowed through to the banquet — perhaps to barbeque?"



More Members' News

Stephen M. Stigler has been elected to the American Philosophical Society. The United States' oldest learned society, the APS was founded by Benjamin Franklin in 1743. Other IMS members in the Society include David Blackwell, David R. Cox, Persi Diaconis, and Frederick Mosteller.

Election to the APS honors extraordinary accomplishments in all fields. Presently, there are over 900 members around the world, of whom 85% reside in the United States. In the course of the twentieth century, over 200 members of the Society received the Nobel Prize. The APS is unusual among learned societies because its membership is comprised of top scholars from a wide



variety of academic disciplines. Members are organized into five classes: Mathematical and Physical Sciences; Biological Sciences; Social Sciences; Humanities; The Arts, Professions, and Leaders in Public & Private Affairs. More information about

APS is available at <http://www.amphilsoc.org/about/> and the list of new members for 2006 is at

<http://www.amphilsoc.org/members/newmem.htm>

Steve Stigler is the Ernest DeWitt Burton Distinguished Service Professor at the University of Chicago. According to his homepage, his research interests include "Investigation of the history of the development of statistical methods, with attention to the different ways in which problems in astronomy, geodesy, social sciences, and psychology accelerated or inhibited this development. The study of the reception of quantification in the sciences, from seventeenth-century medicine to twentieth-century social science, and of the way twentieth-century conceptual developments evolved from earlier work and advances in technology. The investigation of how understanding of regression and aggregation paradoxes have influenced policy debates, and how subtle mathematical developments in the twentieth century have become confounded with personal disputes and the formation of scientific schools. The history of lotteries in the 18th and 19th centuries and their role in forming (and reflection of) public attitudes towards risk. The application of statistical theory in such areas as the written transmission of historical information, the evaluation of trends, periodicities, and anomalies in the fossil record, clustering in cultural anthropology, the optimal arrangement of published information, and the measurement of influence in scientific research. The statistics of sports, particularly in baseball and tournament golf."

<http://galton.uchicago.edu/faculty/stigler.html>



Stephen Stigler, who among other activities this year will deliver the IMS Le Cam Lecture in Rio

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More members' news

Carver Award: Robert V Hogg

This year's Carver Committee (David Siegmund, Stephen Stigler, Iain Johnstone, chair) is delighted to award the 2006 Carver Medal to Robert V. Hogg, Professor Emeritus, Department of Statistics and Actuarial Science at the University of Iowa. His citation reads:

"To Bob Hogg, whose past service as IMS Program Secretary (1969-1974) and long term support of the Central Region helped build and sustain the IMS, and which continues to epitomize the best in service to the Institute, we award the Carver Medal."

We'll bring you more information in a future issue.



Guggenheim Award: Laurent Saloff-Coste

IMS Member **Laurent Saloff-Coste**, who is a Professor of Mathematics at Cornell University, is among the winners of the 2006 John Simon Guggenheim Memorial Foundation fellowship.

Laurent will study diffusions and random walks on groups, from card shuffling schemes to random walks on finitely generated groups to invariant processes on locally compact groups.

Laurent says, "Random walks on non-commutative groups is a fascinating subject because the behavior of these stochastic processes captures some crucial aspects of the algebraic and geometric structure of the underlying group. I enjoy working at the interface between different areas of mathematics."

More on the new Guggenheim fellows at <http://www.gf.org/newfellow.html>

Laha Award Recipients named

The following have been named as recipients of IMS Laha Awards to fund travel to present a paper in Rio at the IMS Annual Meeting. Application details for JSMo8 in the next issue.

Jay Bartroff, Stanford University; **Abhishek Bhattacharya**, The University of Arizona; **Gustavo Didier**, University of North Carolina at Chapel Hill; **Hugo Harari-Kermadec**, CREST-LS, INRA, University of Nanterre; **Solomon Harrar**, South Dakota State University; **Frédéric Lavancier**, Université des Sciences et Technologies de Lille; **Mokshay Madiman**, Yale University; **Parthanil Roy**, Cornell University; **Sreekar Vadlamani**, Technion-Israel Institute of Technology [Pr-Poster]; **Katalin Varga**, Budapest University of Technology and Economics [St-C 15]; **Vladislav Vysotsky**, St Petersburg State University [Pr-Poster]; **Li Wang**, Michigan State University [St-C 13]

On June 6, 2006 in Rio de Janeiro, Brazil, **David Brillinger** was inducted into the Brazilian Academy of Science as a Foreign Member. He has also been made a Foreign Member of the Norwegian Academy of Science and Letters. David is pictured here with Rio's distinctive skyline behind him.



Thomas Bruss "Raising Public Awareness of Mathematics"

Professor **F. Thomas Bruss** has received first prize in the European Mathematical Society's article competition, *Raising Public Awareness of Mathematics*. The competition is open to all mathematicians, and all fields of mathematics. The condition is that the submitted article has been published in a renowned journal or newspaper and written in a style which is accessible for the educated general public. Thomas won his prize for "Die Kunst der richtigen Entscheidung", published in the German version of the *Scientific American* (*Spektrum der Wissenschaft*, 6, 2005), an article about applications of the Odds-Theorem of Optimal Stopping. It has also appeared in the French and Arabic editions *Sci. Am.* and will be published in English in the Newsletter of the European Mathematical Society.

Professor Bruss studied in Saarbruecken, Cambridge and Sheffield and held visiting positions in the US at UC Santa Barbara, U. of Arizona and UCLA. Since 1993, he is Professor of Mathematics at the Université Libre de Bruxelles and Chairman of the Mathematics Department. Thomas, a fellow of the IMS, is Feodor-Lynen Fellow of the von-Humboldt Foundation and Deruyts-Prize recipient 2000-2004 of the Belgian Royal Academy for his contributions to mathematics.



Profile: Richard Gill

Richard Gill has been appointed Professor in Mathematical Statistics at the Mathematical Institute, University of Leiden, in the Netherlands. He now holds the position previously filled by Professor Sara van de Geer (who has moved to Zurich), and before that by former IMS president, Willem van Zwet. In fact, Willem's son Eric is now one of Richard's PhD students: it's a small world!

Richard studied mathematics at Cambridge University, and came to the CWI in Holland in 1974. In 1979 he obtained his PhD degree at the VU, working under Prof Cobus Oosterhoff (who had been a PhD student of van Zwet). In 1988 Richard was appointed professor in Mathematical Stochastics at the University of Utrecht. Here, he says, "I succeeded *the* Professor Cohen, author of *The Single Server Queue* (one of the fattest books in applied probability) and founder of the Dutch school in queuing theory which is very strong, to this day."

Richard has worked at Leiden before, from 1986–90, as extraordinary professor at a chair held by the Leiden Universiteits Fonds.

He describes the state of Dutch mathematics as contributing to his move: "The (death?) convulsions of Dutch mathematics, which is making Utrecht shrink and focus on its core (pure maths) and recent successes in mathematics of string theory; whereas Leiden is focusing on bio and life sciences and is becoming a centre in biomathematics with strong links to Aad van der Vaart's splendid group in statistics and probability at the Free University, Amsterdam." Plus, "Leiden is much smaller than Utrecht but the stochastics group is of roughly equal size: thus a whole lot more important". He also says he's planning to finish writing his book on quantum statistics this autumn and then "put a little more energy into more mainstream statistics".

Commenting on statistics in the Netherlands, Richard says, "In the Netherlands we do not have departments of statistics. Mathematical statistics has a great reputation, but being on the periphery of dying mathematics departments we are not in good shape. Applied statistics is okay but fragmented here, and there is not a strong focussing mathematical/applied statistics infrastructure."

Richard's Bio is at <http://www.math.uu.nl/people/gill/bio.html> and his homepage is <http://www.math.leidenuniv.nl/~gill/>



Richard Gill, in what he describes as a "characteristic pose"

Got some news about another IMS member? Or yourself?

**Don't keep it to yourself—
share it!**

*We're relying on **you** to keep us informed...*



Introducing the 2006 IMS Fellows

Naray Balakrishnan, McMaster Univ, for research on order statistics and applications to life-testing and reliability; for scholarly publications on distributions; for leadership in encyclopedic publications; and for service to the profession by organizing numerous conferences.

Peter Bühlmann, ETH Zurich, for deep contributions to the bootstrap under dependence, to time series analysis, machine learning, and applications in molecular biology.

Andreas Buja, Univ of Pennsylvania, for profound and influential research contributions to statistical theory, methodology, computation and visualization; and for heroic service contributions to the profession as editor, associate editor and conference organizer.

Tony Cai, Univ of Pennsylvania, for pioneering contributions to the theory and practice of nonparametric function estimation; for the introduction of innovative blockthresholding schemes; and for important contributions to the theory of adaptive inference.

Alicia Carriquiry, Iowa State Univ, for outstanding contributions to applied statistics, especially, in the field of human nutrition; and for exceptional contributions to statistics in Latin America, to Bayesian Statistics, and to the work of the IMS.

Kung-Sik Chan, Univ of Iowa, for major contributions to time-series analysis, introducing important new methodologies for inference from nonlinear time-series, and developing new theory describing properties of those techniques and of methods introduced by others.

Rong Chen, National Science Foundation/Univ of Illinois at Chicago, for innovative and significant contributions in Bayesian inference, Monte Carlo and MCMC methods, and time series analysis; and for superb services in statistical education and to the profession.

Marie Davidian, North Carolina State Univ, for fundamental research contributions in the areas of estimation of variance functions, longitudinal data analysis, nonlinear models, joint modeling of longitudinal and survival data; for outstanding interdisciplinary research in biomedical sciences and pharmacokinetics; and for leadership service to the profession.

Ronald Doney, Univ of Manchester, for fundamental contributions to the theory of Lévy processes, and in particular calculation of sample path and distributional properties.

Chris Genovese, Carnegie Mellon Univ, for important contributions to statistical theory and methodology; for bringing modern statistical methods to bear on scientific problems; and for using scientific problems to inspire new statistical theory.

Subashis Ghosal, North Carolina State Univ, for signal contributions in the theory and methods for nonparametric and semiparametric Bayesian inference; and for service to the profession.

Irène Gijbels, Katholieke Universiteit Leuven, for fundamental contributions to the field of nonparametric statistics, especially nonparametric smoothing, change-points and nonparametric survival analysis; and for invaluable services to the profession.

James P. Hobert, Univ of Florida, for fundamental contributions to Markov chain theory, its connections to decision theory and admissibility, and its application in Monte Carlo methods; for important contributions to the theory and applications of mixed models; and for excellence in teaching, mentoring, and service to the profession.

Susan Holmes, Stanford Univ, for lifetime contributions to the statistics/probability community through service to professional societies and her departments; for development of tools for the

education of probabilists; for mentoring women and students; and for applied statistical research in cancer testing.

Wai Keung Li, Univ of Hong Kong, for influential contributions to time series analysis; for dedicated professional service; and for a leadership role in statistical research and education in Asia.

Wenbo Li, Univ of Delaware, for distinguished research in the theory of Gaussian processes and in using this theory to solve many important problems in diverse areas of probability.

David Madigan, Rutgers Univ, for seminal contributions to Bayesian model selection and uncertainty, graphical Markov models, and text mining; and for working tirelessly for the profession.

Naisyin Wang, Texas A&M Univ, for fundamental contributions in the area of non and semiparametric modeling of longitudinal/clustered data, measurement error problems and imputation inferences; for innovative interdisciplinary contributions; and for valuable editorial service to the profession.

Martin Wells, Cornell Univ, for important contributions to the statistical theory of goodness of fit, approximate inference in small samples, Bayesian statistics, survival analysis, and shrinkage estimation; for methodological contributions in genetics and in empirical legal studies; and for excellence in teaching, editorial services, and academic leadership.

Heping Zhang, Yale Univ, for distinguished contributions to genetic statistics, public health, and medicine; for seminal contributions to statistical theory, and methods; and for exceptional contributions to postdoctoral training and graduate education.

Congratulations to you all!

Terence's Stuff: *Bayes Forever*

This month Terry Speed considers the enduring appeal of Bayesian statistics (for the 46,656 varieties of Bayesians, that is...)



It's hard not to be aware of the pervasiveness of Bayesian statistics these days. Not only are there many leading lights who have been carrying the Bayesian torch all their careers, who have had time to produce one or two generations of disciples, I find more and more people I long regarded as something else (frequentists?, Fisherians? Neyman-Pearson-Waldians?), going over to the Bayesian side.

Is it the extraordinary success of Markov chain Monte Carlo methods? Perhaps these people were always inclined to be Bayesians, but before the computations could be done, they felt unable to make the move. Or perhaps it is something that happens as your career matures, a consequence of continued exposure to the incoherence of frequentist statistics? Of course Bayes has always had a strong following among numerate non-statisticians. Who hasn't come across articles in scientific journals in which the physicist, chemist or biologist author patiently explains the virtues of the Bayesian and the defects of the classical approach to statistical inference, as though only a fool would fail to be convinced by their arguments. Who can argue with terms such as reasoned, coherent and logical? Anyone for incoherence?

Yet the Bayesians of today are very different from those of 40 years ago when I first encountered the controversy. While sympathetic with the basic Bayesian notion of the probability of a hypothesis, I drew the line at personal probabilities. But it's been a very long time since I heard anyone talk about personal probability, eliciting

priors, or even objective priors. How many modern Bayesians agree with L.J. Savage's 1954 definition of **statistics proper** as "the art of dealing with vagueness and with interpersonal difference in decision situations"? In my recent experience, priors are usually inverse chi-squared, normal or Dirichlet, when they are not uniform; priors of convenience, not ones reached by agonizing over the past information. I can remember as recently as 20 years ago being told in no uncertain terms that empirical Bayes was not "pure" Bayes, but rather a frequentist notion no true Bayesian would touch. Now, at least in many circles, empirical Bayes is no longer shunned. Today it is seen as a broad and effective way to shrink, smooth or borrow strength, call it what you like, but many Bayesians call it Bayesian.

Recently I met and talked with two people I have always regarded as pillars of the Bayesian establishment, one from the US and the other from the UK. Both confessed to me that they are doing substantial amounts of statistical analysis from a more or less classical perspective, and not from the Bayesian perspective for which they are famous. Was I shocked? Not at all. I was happy that they were doing statistics from any perspective. Perhaps I was a little shocked when a person I thought was Bayesian, just back from attending a Bayes fest confessed to me that s/he didn't use Bayesian methods in her/his daily work, but nonetheless wrote papers in the Bayesian style as it helped get them published.

There are, and always have been many kinds of Bayesians. Undoubtedly the best count was that of I.J. Good, who in 1971 classified them on 11 facets, and found $2^4 \times 3^6 \times 4 = 46,656$ varieties. The fourth of Good's dimensions was called "extremeness", and at the middle of this 3-level facet is the Bayes/non-Bayes compromise, in which non-Bayesian methods are used pro-

vided that some set of axioms of intuitive probability are not seen to be contradicted. That certainly sounds like the way many are going.

Twenty years ago, Efron was able to ask "Why isn't everyone a Bayesian?" and to offer a moderately learned argument explaining why he wasn't. In the ensuing discussion Lindley castigated Efron for presenting a parody of the Bayesian argument, yet my perception is that even this parody would be too serious for most people today.

While many Bayesians were as pure as driven snow 20 or more years ago, like Mae West, they seem to have drifted.

Not coincidentally, the lecture on which Efron based his article was delivered at the Virginia Polytechnic Institute and State University, home for about the last 40 years of I.J. Good, the same person who gave us the 46,656 varieties of Bayesians, and almost as many published papers. I know no-one in our profession with such a lively and playful mind, such a breadth of interests, and ability to excite a reader or listener with the ideas in our subject and related areas. His first book, *Probability and the weighing of evidence*, is a joy to read, as are many of his (many, many) papers. He will be 90 this year, and I wish him many happy returns. He saw early on that Bayesian thinking enriched all aspects of statistics, and we could all benefit from this, Bayesian or not. And he was never pure.



The Reverend Thomas Bayes — or is it? This most famous portrait is widely assumed to be of Bayes, but may, in fact, be someone else! See the discussion from the IMS Bulletin, Jan/Feb 1988, which is reprinted online at <http://www.york.ac.uk/depts/maths/histstat/bayespic.htm>

Warehouse Sale: IMS Lecture Notes series

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

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Meeting report: Statistical Models for Biomedical and Technical Systems

International Conference on Statistical Models for Biomedical and Technical Systems

29 – 31 May 2006, Limassol, Cyprus

Filia Vonta reports: The International Conference on Statistical Models for Biomedical and Technical Systems, BIOSTAT2006 took place at Limassol, Cyprus 29–31 May, 2006. The Conference was organized by the University of Cyprus and the Séminaire Européen/European Seminar in France, “Méthodes Mathématiques pour l’Analyse de Survie, Fiabilité et Qualité de Vie”. Chairs of the Scientific Committee were Filia Vonta of the University of Cyprus and Misha Nikulin of the University of Bordeaux II.

The objective of the Conference, which was co-sponsored by the IMS, was to provide a forum for presenting new statistical models and mathematical methods for survival analysis, the reliability of engineering and technical systems as well as the reliability of biological and biomedical systems.

The meeting gathered about 110 participants from 30 countries and five continents, including about 20 graduate students and young researchers. At the opening session, the Ambassador of France in Cyprus, the Mayor of Yermasoyia, Limassol, and the Vice Rector of the University of Cyprus welcomed the participants. A total of 80 talks were delivered including two plenary opening and two plenary closing lectures.

The papers presented were an interesting mixture of theoretical and applied topics. Professor P. K. Sen of the University of North Carolina delivered a particularly interesting plenary lecture on “*Clinical trials and the Genomic evolution: Some statistical perspectives*”. The other three equally interesting plenary lectures were delivered by Prof. C. Huber-Carol of the University of Paris V who talked on “*Frailty models for censored and truncated data*”, Prof. Y. Kutoyants of the University of Maine, France, who talked on “*Hypothesis Testing: Poisson versus self-exciting and self-correcting*” and Prof. P. Deheuvels of the University of Paris VI who talked on “*Asymptotic Confidence bands for Kernel density estimators based upon resampling*”. The invited and contributed talks covered a wide range of topics on reliability theory, degradation models, model selection and survival analysis, survival models, non-proportional hazards models, quality of life, Markov processes, generalized linear models, designs, biology etc. The invited session on cancer epidemiology and the nutrition and environmental risk factors attracted a lot of attention from the Medical Community of Cyprus. One of the highlights of the conference was the workshop on Microarray Data delivered by Prof. Mei-Ling Ting Lee of The Ohio State University.

The Conference Volume of extended abstracts was locally published. As a result of the Conference, a book is expected to be published by Birkhäuser in early 2007. A photo gallery and other details are available at the conference website at www.ucy.ac.cy/biostat2006.

Participants enjoyed strolling the streets of the picturesque village of Yermasoyia on the Wednesday evening, and relaxed during the conference dinner on Tuesday night where they enjoyed the famous Cyprus *meze* and danced to the sounds of Greek music.

BIOSTAT2006 was realized thanks to our generous sponsors: The Cyprus Telecommunications Authority (CYTA), SPSS, Genesis Farma, Ayios Therissos, the French Cultural Center and the French Embassy, the Mayor of Yermasoyia, the Coop of Kaimakli, Kantzilaris Bookstores, the Cyprus Tourism Organization and the Department of Antiquities.



His Excellency the Ambassador of France in Cyprus, Hadelin de La Tour-du-Pin addressing the participants and in the back the members of the Scientific Committee Prof. Vonta (Cyprus), Prof. Nikulin (Bordeaux), Prof. Huber (Paris) and Prof. Lee (Ohio) (not shown Prof. Limnios (Compiègne) and Prof. Balakrishnan (McMaster).



From the Opening Ceremony. First row: The Cultural Officer of the Embassy of France in Cyprus Madame Martine Bassereau-Dubois and Prof. Karagrigoriou (Cyprus). Second row: Invited Speakers Prof. Hougaard (Denmark), Sen (North Carolina, USA), Kounias (Athens, Greece), Kutoyants (Maine, France), Kipnis (NCI, USA).



The Chair of the Scientific Committee Prof. Vonta (Cyprus) and the Invited Speakers Professors Lee (Ohio), Calle (Vic, Spain) and Gómez (Catalunya).

The Abel Prize: nominate a statistician or probabilist!

The Abel Prize

The Abel Prize is an international prize for outstanding scientific work in the field of mathematics, including mathematical aspects of computer science, mathematical physics, probability, numerical analysis and scientific computing, statistics, and also applications of mathematics in the sciences.

The prize is meant to recognize contributions of extraordinary depth and influence to the mathematical sciences. Such work may have resolved fundamental problems, created powerful new techniques, introduced unifying principles or opened up major new fields of research. The intent is to award prizes over the course of time in a broad range of fields within the mathematical sciences.

Nominations

The right to nominate is open to anyone. Nominations are confidential and a nomination should not be made known to the nominee. Self-nominations are not acceptable. The prize can be awarded to a single person or shared for closely related fundamental contributions. Deceased persons cannot be nominated. If an Abel Laureate passes away before receiving the prize, then the prize will be awarded post mortem.

The nomination letter should contain a CV and a description of the candidate's works, together with names of specialists who may be contacted. The letter of nomination should be mailed to:

*The Norwegian Academy of Science and Letters
Drammensveien 78
NO-0271 Oslo
Norway*

The nomination letter should be postmarked no later than **November 15th** to be considered a nomination for the Abel Prize the following year.

Announcement of the Abel Laureate

The name of the Abel Laureate will be announced in late March or early April.



Nominations sought for Marvin Zelen Leadership Award

The Department of Biostatistics at the Harvard School of Public Health named **Mitchell H. Gail**, Chief of Biostatistics Branch, Division of Cancer Epidemiology and Genetics, National Cancer Institute, the recipient of the 2006 Marvin Zelen Leadership Award in Statistical Science. Dr Gail delivered a lecture entitled "Absolute Risk: Clinical Applications and Controversies" on June 2 at Harvard University. Previous awardees have been Frederick Mosteller, Sir David R. Cox, John W. Tukey, Lincoln Moses, Neils Keiding, Robert O'Neill, Wayne Fuller, Robert Elston and Ross L. Prentice.

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 influenced the theory and practice of statistical science. While individual accomplishments are considered, the most distinguishing criterion is the awardee's contribution to the creation of an environment in which statistical science and its applications have flourished. The award recipient will deliver a public lecture on statistical science at the Harvard School of Public Health and will be presented with a citation and an honorarium.

Nominations for next year's award, to be given on June 1, 2007, should be sent to the *Marvin Zelen Leadership Award Committee, Department of Biostatistics, Harvard School of Public Health, 655 Huntington Avenue, Boston, MA 02115, USA*. Nominations should include a letter describing the contributions of the candidate, specifically highlighting the criteria for the award, and curriculum vitae. Supporting letters and materials would be extremely helpful to the committee.

All nominations must be received by **November 1, 2006**.

IMS 2006 and XEBP: Rio de Janeiro, Brazil

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

.....
 IMPA, Rio de Janeiro, Brazil July 30–August 4, 2006
<http://www.imstat.org/meetings/IMS2006/>

UPDATED

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

IMS Special Invited Speakers:

The 2006 Wald Lectures will be delivered by **Peter Hall**; the Le Cam lecture by **Stephen Stigler**, and the Medallion Lectures by **Paul Glasserman**, **Greg Lawler**, **Thomas Mountford**, and **Michael Woodroofe**.

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

Statistics and probability programs

Details of the statistics and probability programs are on the website. A PDF of the program book can be downloaded.

Statistics program (July 30–August 2)

Co-chairs for statistics: Sara van de Geer and Guenther Walther

- 1: *Analysis of longitudinal data* (Damla Senturk)
- 2: *Statistical learning* (Sayan Mukherjee)
- 3: *Statistics in Finance* (Yacine Aït-Sahalia)
- 4: *Aggregation of estimators* (Yuhong Yang)
- 5: *Statistical analysis of shapes and images* (Victor Patrangenaru)
- 6: *Estimation in time series that are both non-linear and non-stationary* (Joon Park)
- 7: *Adaptive smoothing applied to images and processes* (Vladimir Spokoiny)
- 8: *Inference for high-dimensional data and models* (Peter Bickel)
- 9: *Graphical models: Algorithms and statistics* (Martin Wainwright)
- 10: *Statistics and the Environment* (Bin Yu)
- 11: *Inverse problems, deconvolution and applications* (Geurt Jongbloed)
- 12: *Modeling dependencies via copulas and applications* (Irene Gijbels)
- 13: *Information and complexity* (Peter Grunwald)

- 14: *Advances in statistical genomics* (Sylvia Richardson)
- 15: *Analysis of functional data* (Hans Mueller)
- 16: *Astrostatistics* (Chad Schafer)
- 17: *Multiple hypothesis testing and false discovery rate* (Felix Abramovich)
- 18: *Frequentist analysis of Bayesian procedures* (Aad van der Vaart)
- 19: *Likelihood/Bayesian methods for discretely observed stochastic processes* (Gareth Roberts)
- 20: *Statistics for Lévy processes: Session organized by Mexican Society (AME)* (Victor Perez Abreu)
- 21: *Parameter Estimation: Session organized by Brazilian Society (ABE)* (Silvia Regina-Lopez)
- 22: *Robust Statistics: Session organized by Argentinian Society (SAE)* (Victor Yohai)
- 23: *Time Series Analysis: Session organized by the Chilean Society (SOCHE)* (Wilfredo Palma)
- 24: *Vardi memorial session* (David Madigan)
- 25: *Medallion lecture: Michael Woodroofe* (Guenther Walther)
- 26: *Le Cam lecture: Stephen Stigler* (Guenther Walther)
- 27: *Wald lectures: Peter Hall* (Guenther Walther)

Fifth International Symposium on Probability and its Applications (August 2–4)

Co-chairs for probability: Robert Adler and Steve Lalley

Medallion Lectures: **Greg Lawler**, **Tom Mountford**, **Paul Glasserman**

Invited Speaker Sessions:

- 1: *Stochastic networks* (Marty Reiman)
- 2: *Interacting particle systems* (Pablo Ferrari)
- 3: *Random matrices* (Alexander Soshnikov)
- 4: *Percolation* (Russ Lyons)
- 5: *Random motion in a random environment* (Nina Gantert)
- 6: *SLE and Scaling Limits of Planar Processes* (Wendelin Werner)
- 7: *Mathematical finance* (Steve Shreve)
- 8: *Lévy processes and applications* (Gennady Samorodnitsky)
- 9: *Probability and Genetics* (Vlada Limic)
- 10: *Stochastic Geometry and Applications* (Eva Vedel Jensen)
- 11: *Combinatorial probability* (Alexander Gnedin)
- 12: *Spin glass: statics, dynamics, and aging* (Erwin Bolthausen)
- 13: *Concentration inequalities* (Michel Ledoux)
- 14: *Mixing rates of finite Markov chains* (Dana Randall)
- 15: *Gaussian processes, geometry and applications* (Jonathan Taylor)
- 16: *SPDE and measure-valued processes* (Sylvie Méléard)
- 17: *Stochastic Numerical Methods* (Denis Talay)
- 18: *Random flows* (Yves Le Jan)

Seattle, Washington
2006 JSM
 August 6-10
Statistics for an Uncertain World:
 Meeting Global Challenges

IMS Meetings around the world

9th IMS meeting of New Researchers in Statistics and Probability

University of Washington, Seattle, WA

August 1–5, 2006

Co-chairs: Peter Craigmile and Peter Hoff:
nrc@stat.ohio-state.edu

w <http://www.stat.ohio-state.edu/~pfc/NRC/>

The IMS Committee on New Researchers is organizing another meeting of recent PhD recipients in statistics and probability. The conference aims to promote interaction among new researchers, primarily by introducing them to each other's research in an informal setting. Participants will present talks and posters on their research and discuss interests and professional experiences

over meals and social activities organized through the meeting as well as by the participants themselves.

The meeting is to be held immediately before the 2006 Joint Statistical Meetings in Seattle, WA (see previous page).

Application is now closed. For any questions or comments contact Peter Craigmile (Department of Statistics, The Ohio State University) or Peter Hoff (Department of Statistics, University of Washington).

At 605 feet, the Seattle Space Needle towers over the Experience Music Project on the Seattle Center grounds. Photo: Tim Thompson/Seattle CVB



Images of Seattle

Left:

Historic Pioneer Square is Seattle's oldest residential area, now a major visitor attraction with restaurants, galleries and lively clubs. Photo: Seattle's Convention and Visitors Bureau

Right:

Boats move in and out of the Bell Harbor Marina, with the Seattle skyline as a backdrop. Photo: Tim Thompson

Below right:

The Public Market sign hovers over the Pike Place Market, with Elliott Bay, Puget Sound and West Seattle in the background. Photo: Tim Thompson



IMS Meetings around the world

IMS co-sponsored meeting

Young Researchers' Symposium

August 5–6, 2006

IMPA, Rio de Janeiro, Brazil

IMS Representative on Program

Committees: S.R.S. Varadhan

http://www.impa.br/opencms/pt/eventos/store/evento_0010.html

The Young Researchers Symposium (YRS2006) will take place at the Instituto Nacional de Matematica Pura e Aplicada (IMPA), August 5–6, 2006 (immediately after the IMS Annual Meeting and XEBP).

The meeting will feature eight plenary lectures by prominent scientists in the field of the Mathematical Physics, including the three 2006 Poincaré Medal winners, as well as number of specialized sessions and poster sessions where young researchers will have an opportunity to present and promote their results.



IMS Mini meeting

Recent Advances on Stochastic Computation and Bioinformatics August 2–3, 2006: University of British Columbia, Vancouver

Organizers: Arnaud Doucet and IMS Rep Raphael Gottardo

[e raph@stat.ubc.ca](mailto:raph@stat.ubc.ca)

http://hajek.stat.ubc.ca/~raph/workshops/ims-mini/ims_workshop.html

The meeting will focus on recent developments in both statistical modeling and stochastic computing for bioinformatics. Registration is now closed. The program is now available online.

Invited Speakers: **Christophe Andrieu** (Bristol University), **Peter Muller** (MD Anderson), **Dave Stephens** (Imperial College), **Jon Storey** (UW, to be confirmed), **Jon Wakefield** (UW), **Mike West** (Duke)

Practical details: The meeting will take place in the MSL lecture theater on the UBC campus in Vancouver. Participants are responsible for making their own travel and accommodation arrangements. Please be advised that summer is a very busy season and we urge you to make reservations as soon as possible.

Acknowledgments: This meeting is sponsored by the IMS and the UBC bioinformatics centre (UBiC).

IMS sponsored meeting

IMS Annual Meeting at the Joint Statistical Meetings

July 29 – August 2, 2007

Salt Palace Convention Center, Salt Lake City, Utah

IMS Program Co-chairs: Tony Cai and Mark Low

<http://www.amstat.org/meetings/jsm/2007/>



IMS co-sponsored meeting

Multivariate Statistical Methods in the 21st Century

December 28–29, 2006

Eastern Zonal Cultural Center, Govt. of India, Salt Lake City (Kolkata), India

Program Committee: International
Advisory Committee: J

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

IMS sponsored meeting

71st IMS Annual Meeting in conjunction with VII Bernoulli World Congress

Singapore, July 2008 [dates TBA]

Local Chair: Louis Chen

Details to be announced

*At a glance:
forthcoming
IMS Annual
Meeting dates*

2006

IMS Annual Meeting:

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

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

2007

IMS Annual Meeting @

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

2008

IMS Annual Meeting:

Singapore, July 2008 [dates TBA]. With VII Bernoulli World Congress.

JSM: Denver, August 3–7, 2008.

2009

IMS Annual Meeting

@ **JSM:** Washington, August 2–6, 2009.

IMS co-sponsored meeting**International Indian Statistical Association Joint Statistical Meeting and International Conference on Statistics, Probability and Related Areas****January 2–5, 2007****Cochin, India****w** <http://www.stat.ohio-state.edu/~hnn/IISACnf2007.pdf>

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

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

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

**IMS co-sponsored meeting:****2007 ENAR/IMS Spring Meeting: Statistical Science—Solving Problems That Matter****March 11–14, 2007, Hyatt Regency Atlanta, Georgia****w** <http://www.enar.org/meetings.htm>**IMS co-sponsored meeting:****2008 ENAR/IMS Spring Meeting****March 16–19, 2008****Hyatt Regency Crystal City, Arlington, VA****w** <http://www.enar.org/meetings.htm>**IMS co-sponsored meeting:****2009 ENAR/IMS Spring Meeting****March 15–18, 2009****Grand Hyatt San Antonio, San Antonio, TX****w** <http://www.enar.org/meetings.htm>

*Have you just come back
from a great conference?*

*Attending an interesting
meeting this summer?*

*Would you write about it
for the IMS Bulletin?*

*To discuss an idea for a meeting report,
or any other kind of article, please email
Tati Howell at bulletin@imstat.org*

Other Meetings Around the World: Announcements and Calls for Papers

First Announcement of the 2007 Interface Conference on Systems Biology

May 23–26, 2007

Philadelphia, Pennsylvania

NEW

The general theme of Interface 2007 will be Systems Biology. The conference is being hosted jointly by the Center for Statistical and Information Science (Alan J. Izenman, Director) and by the Center for Information Science and Technology (Zoran Obradovic, Director) at Temple University. Submissions are welcome. For more information, please contact Alan J. Izenman, *Department of Statistics, Speakman Hall, 1810 North 13th Street, Philadelphia, PA 19122-6083*, t (215) 204-8166, e alan@temple.edu

2008 Joint Meeting of SSC and the Société

Française de Statistique

May 25–29, 2008

Ottawa, Canada

NEW

w http://www.ssc.ca/2008/index_e.html

Local Arrangements: Pierre Lavallée, Statistics Canada e pierre.lavallee@statcan.ca . Program: Bruno Rémillard (HEC Montréal) e bruno.remillard@hec.ca

Fourth meeting of the Eastern Mediterranean Region of the International Biometric Society (EMR-IBS)

January 23–25, 2007

Hilton Hotel, Eilat, Israel

NEW

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

The fourth meeting of the Eastern Mediterranean Region of the International Biometric Society (EMR-IBS) will be held at the Hilton Hotel, Eilat, Israel, on January 23–25, 2007. A pre-conference reception will be held on the evening before the conference.

The lead organizers of the conference are Orly Manor, Hebrew University School of Public Health, and David Zucker, Hebrew University Department of Statistics.

The conference will include three full days of sessions. The first of these three days will be a special one-day symposium in honor of **Marvin Zelen** on the occasion of his 80th birthday. This special symposium is under the joint auspices of EMR-IBS and the Harvard School of Public Health, and is being organized jointly by Marvin's former doctoral student Ori Davidov, now at Haifa University, and Stephen Lagakos of the Harvard Department of Biostatistics.

A slate of distinguished invited speakers has been lined up for the conference, and we look forward to a very stimulating meeting. The conference website is. The website provides further details about the conference and a mechanism for submitting abstracts.

We welcome abstracts in all areas of biometrics.

Contact David M. Zucker

Department of Statistics, Hebrew University

Mt. Scopus, Jerusalem, ISRAEL

t +972-2-588-1291, f +972-2-588-3549

e mszucker@mscc.huji.ac.il



Above: Mountain view at sunset. Above right: Hilton Eilat Queen of Sheba Hotel Images courtesy of ©2004 Hilton Worldwide Resorts

International Symposium on Business and Industrial Statistics August 18–20, 2007

The Azores Archipelago, Portugal

NEW

ISBIS-2007 is a symposium sponsored by the International Society for Business and Industrial Statistics (ISBIS), an official section of the International Statistical Institute. It is intended to provide a forum for presenting and exchanging ideas in statistical methods applicable to business, finance, and industry and as a conduit for international collaboration in research and other technology-transfer activities. The symposium will serve as one of the satellite meetings scheduled just before the biennial meeting of the ISI in Lisbon. The presentations at ISBIS-2007 may range in orientation from very applied to cutting-edge theoretical, provided the work is pertinent to statistics in business, finance or industry. Papers are encouraged on topics such as business and quality management, computer experiments, data mining, design of experiments, financial engineering, forecasting, machine learning, marketing, network analysis, process control, quality in health care, reliability, risk analysis, six sigma applications, warranty modeling and related areas. Additional information on ISBIS-2007 will be posted, in due course, at: <http://www.isbis2007.uac.pt>. If you are interested in participating in this symposium by either contributing a talk or organizing a session, please contact Francisco Samaniego, Program Chair (fjsamaniego@ucdavis.edu) or Bovas Abraham, ISBIS President (babraham@uwaterloo.ca).

XII International Conference on Applied Stochastic Models and Data Analysis May 29 – June 1, 2007

Chania, Crete

NEW

<http://www.asmda.com/id7.html>

The ASMDA 2007 Conference will take place in Chania, Crete, Greece, on May 29, 30, 31 and June 1, 2007.

Since 1981, the aim of ASMDA has been to serve as an interface between Stochastic Modeling and Data Analysis and their real life applications such as business, finance and insurance, management, production and reliability, biology and medicine.

The 2007 Symposium will take place in Chania, Crete, Greece. Both theoretical and practical contributions presenting new results and having the potential for solving real-life problems are concerned. More specifically, one main goal of the symposium is to promote new methods for analyzing data, in fields like stochastic modeling, optimization techniques, statistical methods and inference, data mining and knowledge systems, computing-aided decision supports and neural networks. Acting as an interface between theory and practice, ASMDA is of great interest for both the academic and the business world. The high standard of ASMDA meetings is guaranteed by international scientific committees and recently by a permanent world-wide ASMDA Committee.

University of Florida Ninth Annual Winter Workshop: Emerging Methods in Environmental Statistics January 12-13, 2007 Gainesville Florida

NEW

<http://www.stat.ufl.edu/symposium>

The Department of Statistics at the University of Florida will host its Ninth Annual Winter Workshop: Emerging Methods in Environmental Statistics. The workshop is dedicated to exploring emerging statistical methods for analyzing and interpreting data related to pressing environmental problems. There will be twelve invited talks by leading statistical researchers. Tentative topics include extreme value theory as applied to hurricane winds; point process modeling of fire outbreaks; spatial modeling of environmental health data; causal inference in studies of disease risk; and, using dirichlet processes to model precipitation.

Pending successful funding, a limited number of young researchers will be awarded travel support. Workshop support is limited to senior graduate students (4th year and higher) or recent researchers (PhD since 2002). Funded researchers are required to present topic related research at the conference poster session. Applications for travel support should be submitted electronically by **November 1, 2006**, and must include a one-page curriculum vitae, a one-page poster abstract, and two references, one of which must be from the major professor.

Applications for funding and Workshop registration can be found at <http://www.stat.ufl.edu/symposium>.

Women and underrepresented groups are encouraged to apply.

For additional information contact

Mary Christman, Dept. Statistics, University of Florida,

PO Box 110339, Gainesville, FL 32611-0339;

mcxman@ufl.edu.

Employment Opportunities around the world

Directory of Advertisements

Germany

Berlin: Humboldt University

USA

California: University of California at San Diego;
Medtronic

Rhode Island: Roger Williams University

Utah: University of Utah

Germany: Berlin

Position for a Professorship in Stochastics Humboldt University of Berlin, Germany

Applicants are invited for a full professorship (W3-Universitätsprofessor) available at the Institute of Mathematics, Humboldt University of Berlin, Germany, from April 1st, 2007.

Candidates should be internationally recognized experts in one of the key areas of Stochastics, with special emphasis on Mathematical Statistics.

The successful applicant is expected to carry out original research in stochastics and its applications, teaching and coordinate teaching activities in probability, in particular statistics, both at the advanced and at the undergraduate level.

Qualified female scientists are especially encouraged to apply for this position. Disabled persons with equal ability are preferred.

Applications (with detailed CV, list of publications, list of courses taught, summary of current research interests, reprints of not more than five publications) should be sent to:

Prof. Dr. Jürg Kramer

Director of the Institute of Mathematics

Humboldt University Berlin

Unter den Linden 6

D-10099 Berlin

Germany

The closing date for applications is **October 31st, 2006**.

For further questions do not hesitate to contact the secretary Mrs. Andrea Fiebig, fiebig@mathematik.hu-berlin.de. See also <http://wws.mathematik.hu-berlin.de>.

USA: California

University of California, San Diego

Department of Mathematics

Tenure track or tenured positions

The Department of Mathematics at the University of California, San Diego, is seeking outstanding candidates to fill up to six (pending budgetary considerations) tenure track/tenured positions to start July, 2007. The preferred level for the large majority of these positions is at the Assistant Professor level, but applicants with all levels of experience from Assistant Professor to Full Professor will be considered. One position is available for an extremely distinguished mathematician with an exceptional research record of the highest caliber.

Applicants for all positions must possess a Ph.D. and should have outstanding accomplishments in both research and teaching. We encourage applications from any area of pure or applied mathematics. Level of appointment will be based on qualifications with appropriate salary per UC pay scales. To receive full consideration, applications should be submitted online through <http://www.mathjobs.org/> by **November 1, 2006**. For further instructions and information, see <http://www.math.ucsd.edu/about/employment/faculty>.

In compliance with the Immigration Reform and Control Act of 1986, individuals offered employment by the University of California will be required to show documentation to prove identity and authorization to work in the United States before hiring can occur. UCSD is an equal opportunity/affirmative action employer with a strong institutional commitment to the achievement of diversity among its faculty and staff.

All applications should include the following items:

- * 3 Reference Letters (Writers should upload their reference letters to [mathjobs.org](http://www.mathjobs.org) or send them under separate cover; at least one letter should address teaching experience in some depth.)
- * 1 Cover Letter
- * 1 Curriculum Vita
- * 1 Publications List
- * 1 Research Statement
- * 1 Teaching Statement

USA: California**Medtronic. Careers with a passion for life.****SENIOR PRINCIPAL STATISTICIAN****POSITION PURPOSE:**

This position reports directly to the Director of BioInformatics. The candidate's primary responsibility will be focused on consultation and analysis that require clinical trial based statistical knowledge, methodological innovation, and implementation. The objective is to provide leadership and support in the use of efficient statistical methods.

RESPONSIBILITIES:

Mentor and lead Masters and PhD statisticians with a variety of experience in support of clinical and research activities

Represent Medtronic statistics in negotiating policy with the FDA

Work with other Medtronic statisticians on difficult clinical trial statistical issues

Provide extensive leadership and support in reviewing and establishing our methods

Lead department statistical publication and presentation efforts at statistical conferences

Represent Medtronic CRDM statistics within device industry forums

Lead department wide statistical education efforts for both statisticians and non-statisticians

REQUIREMENTS:

At least 15 years of experience in analysis of data from clinical studies and design of clinical trials

Extensive experience working on FDA mandated studies including participation in protocol development, report writing, and FDA panel meetings

Strong applied statistical skills, including survival analysis, regression modeling, interim analyses, missing data strategies, longitudinal analyses, and other advanced statistical and clinical trial methods

Demonstration of negotiation skills

High level of knowledge of clinical trial methods and execution

High degree of expertise regarding research data management

High level of competency in Windows environment

Demonstration of excellent oral and written communication skills

Well-developed interpersonal skills

TO APPLY, visit www.medtronic.com/employment/ select Requisition # 51235

and "Apply to this Job" to route your resume directly to the hiring department. No agencies or phone calls, please. Medtronic is an equal opportunity employer committed to cultural diversity in the workforce.

USA: Rhode Island**Roger Williams University****Visiting Assistant Professor in Statistics**

The Mathematics Department of the Feinstein College of Arts and Sciences of Roger Williams University invites applications for the position of Visiting Assistant Professor in Statistics, to begin in Fall 2006. Applicants must possess a Ph.D. in statistics or a closely related field and be committed to teaching and research at the undergraduate level. Additional duties include curriculum development and consultation on student and faculty research projects in other departments. The standard teaching load is 12 contact hours per semester.

Applicants should send a letter of application, current CV, transcripts, statements on teaching and research, and names of three references, at least one of whom can address the applicant's teaching ability, to *Human Resources, Roger Williams University, One Old Ferry Road, Bristol, RI 02809* or human_resources@rwu.edu

USA: Utah**University of Utah, Department of Mathematics:**

The Department of Mathematics at the University of Utah invites applications for the following positions:

- Full-time tenure-track or tenured appointments at the level of assistant, associate, or full professor. Special consideration will be given to candidates in the areas of statistics and topology.
- Three-year Scott, Wylie, Burgess, and VIGRE Assistant Professorships, depending on funding availability. Persons receiving Ph.D. degrees in 2005 or later (2006 or later for VIGRE) are eligible.
- IGERT and RTG Postdoctoral Fellowships. IGERT fellowship applicants should have a background in Mathematical Biology; while RTG fellowship applicants should have a background in applied and computational mathematics and have interests in working in mathematical biology. These postdoctoral fellowships are 3-year positions. See www.math.utah.edu/research/mathbio/opportunities.html.

Please see our website at www.math.utah.edu/positions for information regarding available positions, application requirements and deadlines. Applications must be completed through the website www.mathjobs.org.


The University of Utah is an Equal Opportunity, Affirmative Action Employer and encourages applications from women and minorities, and provides reasonable accommodation to the known disabilities of applicants and employees.

International Calendar of Statistical Events


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

July–August 2006


July 29–August 2: Kansas State Univ. NSF-CBMS: **Interplay between Convex Geometry and Harmonic Analysis**. Organizers: Dmitry Ryabogin ryabs@math.ksu.edu and David Auckly dav@math.ksu.edu **w** www.math.ksu.edu/main/events/convex-geom


 **July 30–August 4:** Rio de Janeiro, Brazil. **IMS Annual Meeting and XEBP Brazilian School of Probability meeting**. Program Chairs: Robert Adler and Steve Lalley (Probability); Sara van de Geer and Guenther Walther (Statistics); Local Chair: Maria Eulália Vares, CBPF. **w** www.imstat.org/meetings/IMS2006/

August 2006

 **August 1–5:** University of Washington, Seattle. **9th IMS meeting of New Researchers in Statistics and Probability**. Co-chairs: Peter Craigmile and Peter Hoff. **e** nrc@stat.ohio-state.edu **w** www.stat.ohio-state.edu/~pfc/NRC/

 **August 2–3:** University of British Columbia, Vancouver, Canada. **IMS Mini-meeting: Recent Advances on Stochastic Computation and Bioinformatics**. Organizers: Arnaud Doucet and IMS Rep Raphael Gottardo **e** raph@stat.ubc.ca **w** http://hajek.stat.ubc.ca/~raph/workshops/ims-mini/ims_workshop.html

 **August 5–6:** IMPA, Rio de Janeiro, Brazil. **Young Researchers Symposium**. IMS Rep: SRS Varadhan. **w** http://www.impa.br/opencms/pt/eventos/store/evento_0010.html

 **August 6–10:** Washington, Seattle. **JSM2006**. IMS Program Chair: Christopher Genovese; IMS Contributed Paper Chair: Jennifer Hoeting; IMS Local Chair: TBA **w** www.amstat.org/meetings/jsm/2006

August 6–12: Kent State University. NSF-CBMS: **Probabilistic and Combinatorial Approach in Analysis**. Organizers: Artem Zvavitch zvavitch@math.kent.edu, Per Enflo enflo@math.kent.edu and Andrew Tonge tonge@math.kent.edu **w** www.math.kent.edu/math/CBMS.cfm

August 7–8: Concordia University, Montreal, Canada. **First International Workshop on Gerber-Shiu Functions**. **w** http://www.mathstat.concordia.ca/gerber_shiu2006 [Preceding ARC 2006 at http://www.crm.umontreal.ca/Arc2006/index_e.html] **e** ger-shiu@mathstat.concordia.ca

August 7–11: University of Washington, Seattle. **International Conference on Stochastic Analysis and Its Applications**. Organized by Krzysztof Burdzy and Zhen-Qing Chen **e** zchen@math.washington.edu **w** <http://www.math.washington.edu/~zchen/Conference/index.shtml>

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

August 22–24: Shiraz University, Iran. **8th Iranian Statistical Conference**. Conference Secretary Dr A Borhani-Haghighi, **e** isc8@susc.ac.ir **w** www.shirazu.ac.ir/isc8

August 22–30: Madrid, Spain. **International Congress of Mathematicians (ICM)**. **w** www.icm2006.org

August 23–25: University of Dublin, Trinity College, Ireland. **High Performance Computing and Statistical Inference**. Local organiser Simon Wilson **e** simon.wilson@tcd.ie **w** www.tcd.ie/Statistics/hpcsi/

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

September 2006

September 1–4: Lisbon, Portugal. **SCRA 2006-FIM XIII: 13th International Conference of the Forum for Interdisciplinary Mathematics on Interdisciplinary Mathematical and Statistical Techniques**. **w** <http://scra2006.southalabama.edu/>

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

September 14–15: Foggia, Italy. **Spatial Data Methods for Environmental and Ecological Processes**. **w** www.unifg.it/spatial

September 15–17: Carleton University, Canada. **Conference on Nonparametric Statistics and Related Topics.** Ehsanes Saleh **e** esaleh@math.carleton.ca **w** <http://www.fields.utoronto.ca/programs/scientific/06-07/nonparametric/>

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

October 2006

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

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

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

November 2006


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

December 2006

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

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


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


 **December 28–29:** Calcutta, India. Now an IMS co-sponsored meeting: **Multivariate Methods in the 21st Century: international conference to mark the birth centenary of Professor SN Roy and his legacy in Statistics.** Co-organizers: Barry C Arnold barry.arnold@ucr.edu or Ashis SenGupta ashis@isical.ac.in or ashis@stat.ucr.edu

December 29–31: Calcutta, India. **6th International Triennial Calcutta Symposium on Probability and Statistics.** Contact Asis Kumar Chattopadhyay:

Dept of Statistics, Calcutta University, 35, Ballygunge Circular Road, Kolkata 700019, India. **e** asis_stat@yahoo.com **w** www.calcuttastatisticalassociation.org

January 2007

 **January 2–5:** Cochin, India. **IISA meeting on Statistics, Probability and Related Areas.** **w** <http://www.stat.ohio-state.edu/~hnn/IISACnf2007.pdf>

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

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

March 2007

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

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

International Calendar *continued*

May 2007

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

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

June 2007

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

July 2007

July 9–11: Vienna, Austria. MCP 2007 Vienna: 5th international conference on multiple comparison procedures. **w** www.mcp-conference.org


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

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

August 2007

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


March 2008

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

May 2008

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

July 2008

 July: Singapore. 71st IMS Annual Meeting in conjunction with 7th Bernoulli Society World Congress. Exact dates and details to follow.


August 2008

 August 3–8: Denver, Colorado. JSM2008.

March 2009

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

August 2009

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

August 2010

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

July 2011

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

July 2012

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

August 2014

 August 3–7: Boston, Mass. JSM2014.

Are you organizing a meeting? Do you want to see it listed here?

It's easy... and it's free!

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

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4: May	April 1	April 15	May 1
5: June	May 1	May 15	June 1
6: July	June 1	June 15	July 1
7: August/September	July 1	July 15	August 1
8: October	September 1	September 15	October 1
9: November	October 1	October 15	November 1
10: December	November 1	November 15	December 1

in the next issue

October 2006

Reports from the IMS Annual Meeting in Rio, and other IMS meetings around the world, as well as news of members, meeting announcements and job opportunities.

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

DEADLINE for submissions September 1, 2006

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IMS: Organized September 12, 1935

Kakuro corner

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



No repeated digits in a sequence.



This row sequence doesn't add up to 8.



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

Solution 06 from last issue

9	4	11	8	9	3
6	1	4	1	5	2
8	2	9	6	7	1
7	6	8	9	5	4
3	6	7	2	8	1
4	2	1	5	3	8
3	8	8	7	9	4
4	9	8	5	7	2
1	6	3	4	3	1

Puzzle 07

	20	45		16	9	45	11
15			30				
14			14				
6			6				
	10			8			17
	3			23			
					9		
32					8		
11			17				
			7				11
	10			22			
	11			13			
27					6		
10					4		

Puzzle by www.yoogi.com