Volume 35 • Issue 6

IMS Bulletin

July 2006

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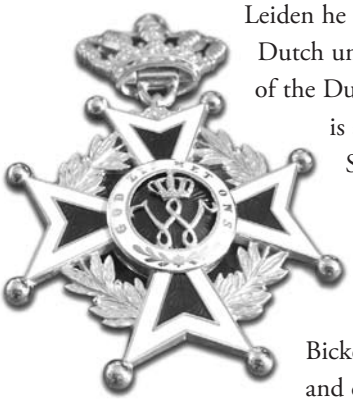
Peter Bickel's Royal Decoration

Jianqing Fan writes: At the conference *"Frontiers of Statistics in honor of Peter Bickel"* held at Princeton University, Professor Peter Bickel of the University of California at Berkeley, was appointed to the knightly grade of Commander in the Order of Oranje-Nassau by her royal highness Queen Beatrix of The Netherlands. The royal decoration took place at Princeton University on May 19, 2006 and was conferred by her Excellency the Consul General of the Netherlands in New York, Cora Minderhoud, on the behalf of the Queen. "This is one of the highest grades possible," stated Ms Minderhoud. "The Order of Orange Naussau is one of two civil orders of the Netherlands, created to honor people of Merit. It was created by law on April 4, 1892, during the reign of Queen Emma of the Netherlands."

Peter Bickel, Commander in the Order of Oranje-Nassau, receives the award from Cora Minderhoud, Consul General of the Netherlands in New York

Professor Bickel was nominated for his efforts in the development of mathematical statistics in the Netherlands. The Royal Committee decided that Professor Bickel qualifies as "someone who has had a stimulating influence on others; a person who has contributed one or more extraordinary services; as someone who has made professional contributions which are of great value to society".

As a world leader in statistical science, Professor Bickel is honored for his contributions to the development of mathematical statistics in the Netherlands. For over 30 years, he has collaborated intensively with colleagues in the Netherlands. Many Dutch graduate students have taken part in this joint research, which has contributed in an important manner to their scientific education. All present full-time professors of mathematical statistics in the Netherlands have benefited from their contacts with Professor Bickel at one time or another. As a visiting professor at the University of Leiden he has taught the assembled graduate students of all Dutch universities and he has been a featured speaker at three of the Dutch national statistics conferences at Lunteren. He is a foreign member of the Netherlands Academy of Sciences.



The Netherlands is host of EURANDOM, the European institute for statistics, probability and operations research. As chair of the Scientific Council of EURANDOM from its inception, Professor Bickel has guided the scientific program of the institute and contributed to its fast growing reputation in Europe and elsewhere.

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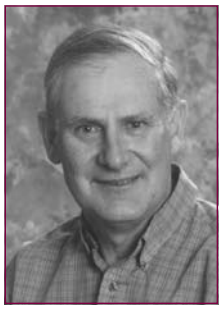
IMS Members' News

SSC Gold Medal awarded to Christopher Field



The Statistical Society of Canada today announced that Professor Christopher Field has been awarded the Gold Medal of the Society. The Gold Medal is awarded to a person who has made substantial contributions to statistics or probability, either to mathematical developments or in applied work.

Professor Field is Professor Emeritus in the Department of Mathematics and Statistics at Dalhousie University. He received his BSc from Dalhousie University and his PhD from Northwestern University. At Dalhousie, he was appointed Assistant Professor in 1970 and Professor in 1983.

Professor Field was frequently the Director of Statistics at Dalhousie and the Director of its Consulting Service since 1978. He served as the President of the Statistical Society of Canada and received the Society's Distinguished Service Award. He has acted as the Program Chair for two of the Society's annual meetings and as local arrangements chair in two others. Professor Field is a Fellow of the American Statistical Association.

Professor Field excels as both an applied and theoretical statistician. He is well known for his work in saddlepoint approximations, robustness, model selection, marine ecology and phylogenetics. He is a world leader in the area of small sample asymptotics. He has collaborated with marine biologists developing methods to estimate predator diet from fatty acid signatures. He has been a leading computational scientist at the Atlantic Genome Centre, an acknowledged center of excellence in environmental microbial genetics.

Referees for the *Annals of Statistics* (2005)

Morris L. Eaton and Jianqing Fan, Editors of the *Annals of Statistics*, would like to thank all the members of the statistical profession who served as referees for papers during 2005 (all 361 of you!). Without the work of referees, the *Annals* would not exist in its current form.

The list of names of referees is at:
http://imstat.org/aos/referees_list.2005.html

More Members' News

Ian B MacNeill and Muni Srivastava named SSC Honorary Members

The Statistical Society of Canada has named IMS Fellows Professor Muni Srivastava and Professor Ian B. MacNeill as Honorary members of the Society. An Honorary member is a statistical scientist of outstanding distinction who has contributed to the development of the statistical sciences in Canada.

Ian B. MacNeill received his undergraduate education in mathematics at the University of Saskatchewan and his graduate education in statistics at Stanford University. After several years at the University of Toronto, he was appointed Associate Professor of Applied Mathematics at the University of Western Ontario in 1971 and Professor in 1978, and where he coordinated efforts to form the Department of Statistical and Actuarial Sciences (Chair 1980–92). He founded the consulting unit STATLAB, and directed it from 1977–92.

His many accomplishments include over 150 presentations in at least 23 countries, and over 100 publications. He has worked in time series, econometrics and the change-point problem, with extensive applications ranging from problems in environmental science to the forecasting of health care needs.

Professor MacNeill is a Fellow of ASA, a Member of ISI, a Fellow of the Institute of Mathematics and its Applications, and a Senior Member of the American Society for Quality Control. In 1995, he was awarded the Distinguished Achievement Medal of the American Statistical Association on Statistics and the Environment. He was a founding Vice-President of the International Environmetrics Society. His citation reads: *"To Ian B. MacNeill, for fundamental scholarly contributions, ranging from groundbreaking work on the change-point problem and the concept of residual processes for regression models to innovative methodology for monitoring and forecasting chronic disease incidence; and for fostering the advancement of the statistical sciences in his university, in Canada, and in the larger sphere."*

Muni Srivastava
Photo: Peter Macdonald

Professor Srivastava is Professor Emeritus in the Department of Statistics, University of Toronto. He received his BSc at Lucknow University in India, and his PhD at Stanford University. He came to the University of Toronto in 1963, and has remained there since, with visiting appointments at Princeton, the University of Connecticut, the University of Wisconsin at Madison, and the Indian Statistical Institute.

A prolific researcher with a very broad range of interests, combined with a deep knowledge of statistical mathematics, Professor Srivastava is widely recognized as a leader in multivariate statistics, sequential analysis and the theoretical treatment of quality control procedures. He has contributed significantly to use of refined approximations in multivariate inference, with attention to problems of missing data and outliers. Currently, he is engaged in developing a rigorous theory for the analysis of high dimensional data. He has contributed to the profession through supervision and training of over 20 PhD students and post-doctoral fellows; as a member of the editorial boards of several international journals; and through service on NSERC grant selection and high level award committees. Professor Srivastava is an ASA Fellow and a Member of ISI. In 2002 he was awarded the Gold Medal of the Statistical Society of Canada.

The citation reads: *"To M.S. Srivastava, for his outstanding contributions to theory and methods in statistics and leadership in multivariate analysis and quality control; and for inspiring teaching and supervision of graduate students."*

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Profile: Peter Donnelly, FRS

Warren Ewans profiles the work of Peter Donnelly, Professor of Statistical Science at the University of Oxford, who has just been elected a Fellow of the Royal Society.

Peter Donnelly received his undergraduate training at the University of Queensland, where he majored in mathematics, obtaining a first-class honours degree and the award of a Rhodes Scholarship for postgraduate research at the University of Oxford. At Oxford he worked under John Kingman and Dominic Welsh, carrying out research in applied probability, including mathematical population genetics.

His research work can be divided into two phases. His initial work, having a strong mathematical flavour, focussed on the theory of Kingman's coalescent process. The key idea in this process is to look backwards in time to understand the genealogical relationship between the genetic material sampled from individuals in any given generation. Coalescent methods now represent a major theoretical and applied research area in probability and statistics. They also provide the basis for new statistical methods for the analysis of the burgeoning data sets that document molecular genetic diversity within populations. Donnelly's work in coalescent theory includes (with Tavaré) the explicit incorporation of the age ordering of mutant alleles into the coalescent, and the resulting derivation of the sampling formula for neutral age-ordered alleles at equilibrium; a proof of the weak convergence of population genealogical processes to the infinite coalescent; and in a series of papers with Kurtz, the derivation of the analogue of the coalescent for a general class of population processes (which include as special cases the classical constant and variable sized genetics models, branching process models, and models with heavy- tailed offspring distributions); derivation of the ancestral graph, which extends the coalescent to models with recombination and arbitrary diploid selection; and a discrete representation and analysis of the properties of the measure-valued diffusions which arise in modelling population evolution.

The second phase of his work was motivated by the need to analyse the massive amounts of genetic data now available, either to understand better the underlying evolutionary processes or to address questions concerning the genetic basis of diseases.

Statistical inference problems in this area are challenging. These data have a complex correlation structure arising from the shared ancestry of the sampled chromosomes. Although the coalescent provides a natural family of stochastic models, it does not give explicit expressions for the likelihoods of interest. Donnelly and his research group have led the development of computationally intensive, often approximate, inference methods, both for generic problems and for specific cases.

Two specific areas where this work has had a major impact are in inference of population structure and in inferring haplotype phase. Real populations typically exhibit some genetic variation with geographical location. This is of inherent interest and is often an undetected confounder in disease studies. In collaboration with Pritchard and Stephens, Donnelly developed a Bayesian method (STRUCTURE) for addressing the problems caused by this structure. Haplotype phase refers to the arrangement of genetic variants along the two copies of a chromosome carried by an individual. Although phase information is important in many contexts, it is not available from standard experimental methods. One approach, which has become widely used, is to infer phase statistically. Stephens and Donnelly developed PHASE, a Bayesian approach, using MCMC and an approximation to the coalescent. Both STRUCTURE and PHASE are very widely used (each of the original papers has been cited over 800 times).

Peter Donnelly, University of Oxford, has recently been elected a Fellow of the Royal Society

Another major theme of Donnelly's recent work has been the study of recombination. Recombination is the (little understood) process by which genetic material in an individual's two chromosomes is combined in the formation of sperm or eggs. Patterns of genetic variation are shaped by many factors, including recombination.

With colleagues, Donnelly has developed and applied statistical methods for estimating recombination rates to genome-wide variation data. This approach has added greatly to our scientific understanding of the recombination process. His group has shown that recombination rates vary greatly over very small scales, that recombination hotspots (regions of a few thousand bases where most recombinations appear to occur) are ubiquitous in the human genome, and has discovered over 30,000 hotspots, where previously only around 20 had been identified. They have also found that fine scale recombination processes appear similar in males and females, that recombination occurs preferentially outside, but close to, genes, and, for the first time, have found specific short DNA sequence motifs associated with recombination hotspots.

Much modern genetics research has become "big science" and large collaborative projects are common. Donnelly currently plays a central role in two such projects: he co-chairs the Analysis Group of the HapMap Project, a $100M international collaboration which follows on from the human genome project, documenting patterns of genetic variation in four population samples and providing a major resource for the next generation of disease studies; and the Wellcome Trust Case-Control Consortium, which Donnelly chairs, a collaboration between 25 UK research groups for genome-wide association studies of eight common human diseases.

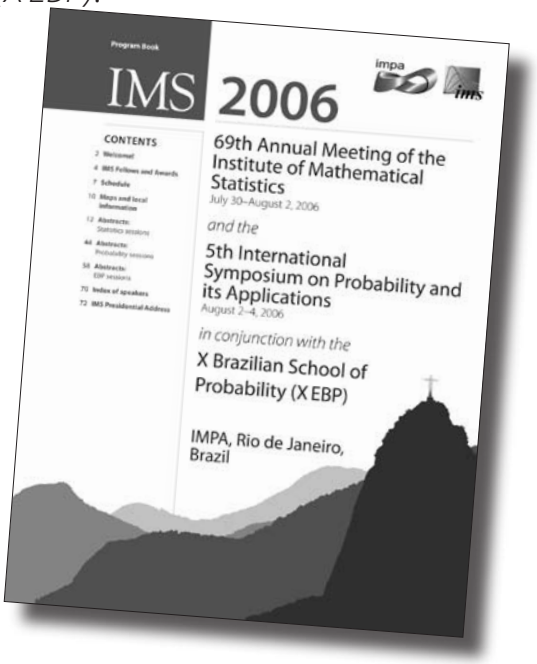
The Royal Society is the UK's national science academy. The Society's foundation is its Fellowship, made up of the most eminent scientists, engineers and technologists from the UK and the Commonwealth. Each year 44 new Fellows are elected, from the fields of science, medicine and engineering. The full listing of Fellows is available at http://www.royalsoc.ac.uk/

IMS 2006 & X EBP: download program

The 69th IMS Annual Meeting will be held in Rio de Janeiro (July 30–August 4) in conjunction with the Fifth International Symposium on Probability and its Applications, and the Tenth Brazilian School of Probability (X EBP).

The program book contains all the abstracts of the invited and contributed talks and posters, as well as local information. It can be downloaded in PDF format from the meeting website.

http://imstat.org/meetings/IMS2006/IMS06ProgramBook.pdf



More SSC Awards

SSC Robillard Prize

The Statistical Society of Canada's 2006 Robillard Prize has been awarded to Dr Jean-François Quessy, l'Université du Québec à Trois-Rivières. The Robillard Prize is awarded annually by the Society to the doctoral student defending the best thesis in the previous year. Dr Quessy's thesis, titled "*Méthodologie et application des copules: tests d'adéquation, tests d'indépendance, et bornes pour la valeur-à-risque*", was jointly supervised by Professors Christian Genest and Bruno Rémillard.

SSC Service Award

Dr Kenneth McRae, a senior research scientist and regional statistician for Agriculture & Agri-Food Canada, has been awarded the SSC Service Award, in recognition of his substantial contribution to the Society. Dr McCrae leads an R&D program in statistics for the Research Branch developing statistical models for complex research problems. In 2003, he was designated the first P.Stat. in Canada, in recognition of his work over several years in designing and initiating the implementation of the society's program of accreditation. The citation reads *"To Kenneth B. McRae, Ph.D., P.Stat., for longstanding and visionary commitment to the statistical profession in Canada; for effective advocacy of methodological training and mentorship of new practitioners; and for the design and initiation of the process for accreditation of professional statisticians by the Statistical Society of Canada."*

ASA Executive Director: William B Smith

William B. Smith retiring as ASA Executive Director

William B. Smith is planning to retire in 2007 as Executive Director of the American Statistical Association, a post that he has held since 2001. It is the ASA Executive Director's responsibility to oversee and manage ASA efforts. ASA, like any effective professional society, depends on its members, whose volunteer efforts to enhance the discipline are valuable beyond measure. Along with its more than 18,000 members, it publishes nine journals (several joint with the IMS), two magazines, has continuing education activities, large meetings, and made up of numerous committees, chapters, and sections. ASA also has a permanent staff of thirty-eight. Now located in a newly refurbished building in Alexandria, Virginia, ASA also strives to represent our discipline in positive ways by actively participating in outreach efforts often with other associations from the mathematical, physical, engineering and social sciences.

Smith is also Professor Emeritus of Statistics at Texas A&M University. He was chairman of the Department of Statistics for nine years and served in A&M's College of Science Dean's Office for an additional nine years. Prior to coming to the ASA, he was an NSF program director in statistics where he also was on the VIGRE, FRG and ITR programs management teams. His personal research interests are in the area of multivariate analysis, especially with regard to applications to industrial, educational and legal processes. He has co-authored two books and over fifty articles in statistics. He was editor-in-chief for the *Communications in Statistics* for ten years. Smith is member of the IMS, Biometrics Society, and ISI, is a Fellow of ASA, received a distinguished teaching award and both the H. O. Hartley and Don Owen awards.

William B Smith is not actually levitating that steel beam in the new ASA offices in Alexandria, VA, which were under construction when this photo was taken

As a personal note, Smith thanks colleagues in all associations, as well as the ASA Board, membership, and staff, for their collective and individual support through his tenure. The positive actions and results for the discipline that may be attributed to the Executive Director are in reality the results of excellent team efforts by the staff, the sage leadership of the ASA Board, and the wonderful volunteerism exhibited by members.

ASA is seeking a new Executive Director: see the advert in the Employment Opportunities section on page 21.

Special Award Ceremony: Abraham Wald Prize in Sequential Analysis

Best Published Paper: *Sequential Analysis* **2005**

Tuesday August 8, 12:15pm. Seattle Hilton, Windward Room

All JSM2006 participants are cordially invited

Program: 12:15pm: Award Ceremony; 12:30–1:20: *Sequential Analysis* Editor's Invited Paper; 1:20–1:45: Floor Discussion

Speaker: Professor Pinyuen Chen, Syracuse University, New York

Title: Closed Adaptive Sequential Designs with Applications to Clinical Trials

Abstract: Thall, Simon, and Ellenberg (1988, *Biometrika*) proposed a two-stage selection and testing design in clinical trials for selecting the best experimental treatment and comparing it to a control. They dealt with a binomial setting where a patient's response may be characterized as either a success or a failure. A closed adaptive sequential procedure takes no more than n (pre-determined) Bernoulli observations from each population and permits elimination of non-contending populations at each stage.

In this talk, we present closed adaptive sequential terminating rules, respectively, for both stages in Thall *et al.*'s two-stage design. We show that our adaptive sequential two-stage design achieves the same probability of a correct selection as the original two-stage design. Exact computations for small sample sizes and simulation studies for large sample sizes will be used to illustrate the savings over the original fixed-sample-size design. Examples will be given to implement the proposed design.

Sponsored by Taylor & Francis and *Sequential Analysis*

Need Information? Contact nitis.mukhopadhyay@uconn.edu

Filming of Distinguished Statisticians: Chris Heyde

The Pfizer Colloquium and Filming of Distinguished Statisticians for the Archive

Nitis Mukhopadhyay, University of Connecticut, Storrs, is the chair of the committee on Filming of Distinguished Statisticians for the Archive of the American Statistical Association. He reports on the creation of two new films, both featuring Chris Heyde [*pictured right*].

Chris Heyde, Australian National University, Canberra, and Columbia University, New York, is the subject of two new films for the archive of films of distinguished statisticians

Professor Chris C. Heyde from Columbia University, New York and the Australian National University, Canberra, Australia, was chosen as the 19th Pfizer Colloquium presenter in the Department of Statistics, University of Connecticut, Storrs.

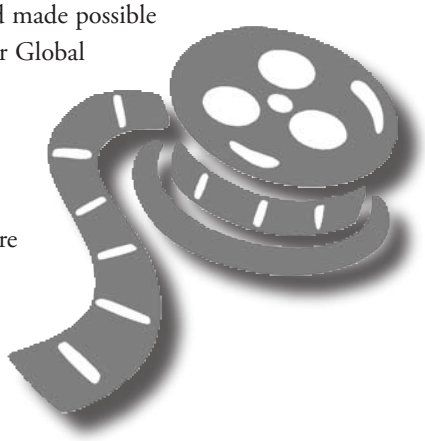
The Pfizer Colloquium titled ***"A Futuristic View on a Half-Century of Statistics and Applied Probability"*** (duration: 55 minutes) was professionally filmed on November 4, 2005, under the auspices of Filming of Distinguished Statisticians for the Archive of the American Statistical Association. The project was directed by Professor Nitis Mukhopadhyay, University of Connecticut, Storrs.

In this film, Professor Heyde eloquently explains his views and impressions about how our profession has grown and where it may be heading. He touches upon delicate issues including important aspects of preparing manuscripts for journal submission, declining and aging membership population in international societies across the globe, journal editing, and mentoring. He talks about the history and mentions major influences on shaping his statistical thinking in a non-technical fashion. One will find the vintage Chris Heyde in this film.

Professor Sidney Resnick from Cornell University, Ithaca, New York and Professor Steven Kou from Columbia University, New York were both on hand as invited guests.

During this memorable occasion, ***"A Conversation with C. C. Heyde"*** (duration: 56 minutes) was also professionally filmed. In this conversation piece, Professors Resnick and Kou discuss many facets of Professor Heyde's life, work, and interests. In this film one will see both the serious and lighter sides of Professor Heyde. This ought to be a 'must see' for all statisticians.

Both films open with a welcoming note from Professor Mukhopadhyay. Professor Kou introduces Professor Heyde in both pieces.



These films were sponsored and made possible by the funding received from Pfizer Global Research and Development, the American Statistical Association, and the Department of Statistics at the University of Connecticut-Storrs. These invaluable supports are gratefully acknowledged.

Heartfelt thanks go to the members of the national committee and the local organizing committee (Professors Ming-Hui Chen, Dipak K Dey, Nitis Mukhopadhyay - Chair) for years of dedication and continued support.

Got some news about another IMS member? Or yourself?

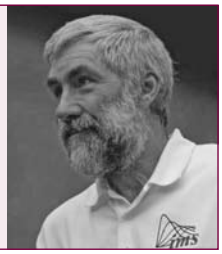
Don't keep it to yourself—

share it!

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

Terence's Stuff: *Between and Within*

This month Terry Speed considers a useful little ratio, and pays tribute to Danish statistician-turned-statistical-historian, Anders Hald



High on my list of "things every young statistician ought to know" is the idea of decomposing the total variance of a set of measurements from two or more groups into the variance (B) between groups and that (W) within groups. The usefulness of the ratio B/W is a natural extension.

Over the years I've gained a lot of pleasure (and felt not a little pride) in explaining this to non-statisticians doing statistics. It is one of those notions that is far enough below the surface that it escapes frequent rediscovery. Several times I've told people interested in selecting variables for discrimination between groups, "Use B/W" and they replied, "What a great idea!" Other times I've found myself saying to people searching for a way of dealing with *t*-statistics for 3 or more groups "We have this thing we call F, which goes like this" and they have looked at me with new respect.

As for the multivariate form, in the formulation leading to Fisher's linear discriminant function, I've lost count of the number of times I've explained this development to people whose first approach to classification is to carry out a principal component analysis ignoring the group information.

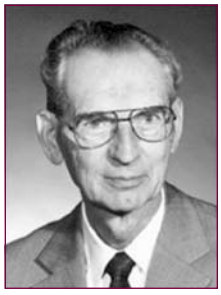
I like our friends B and W and their ratio B/W. To me they are illustrations of our subject at its best: simple, powerful, widely applicable notions, which have a clear theoretical basis, and which are not obvious. No doubt part of my pleasure come from being able to seem wise simply by drawing on a tradition not shared by many outside the field.

But surely this isn't all vanity? Statisticians do know a few good things and have a few ways of thinking that are valuable and far from common knowledge; we should be telling more people about them, not keeping them to ourselves.

It is natural to associate R A Fisher's name with these ideas because he propagated them tirelessly, and gave us their distribution theory in one amazing paper written in 1924, and the multivariate form, but several before him defined the same notion, and recognized its importance. These people were 19th century astronomers, but one I like to think of is the Danish astronomer-actuary-statistician Thorvald Nikolai Thiele (1838-1910), particularly because I am off to Denmark in a few days. Thiele had a nice discussion of the ideas of B and W in section 34 of his 1897 book *Elementær Iagttagelseslære* (*Elementary theory of observations*), a rather poor English translation of which appeared in volume 2 (1931) of our own *Annals of Mathematical Statistics*. Unaccountably, his discussion of B and W did not appear in this version, but Anders Hald (*Int. Stat. Rev.* 49, 1981) gives us a translation of a key sentence (p.17): "The most efficient test for the hypothesis is obtained by comparison of the variances between groups and the variance within groups since any systematic variation in the true means will increase the variance between groups".

This article on his countryman Thiele was the first sign I noticed of Hald's interest in the history of statistics, but it certainly wasn't the last. As a student in the early 1960s I'd enjoyed his book on engineering statistics, and I'd noted but not looked carefully at his later books on sampling inspection.

In the late 1970s I had the pleasure of spending some time in Copenhagen and meeting him, then a benign figure presiding lightly over a vibrant theoretically-oriented department. Nothing I saw then prepared me for what was to come after Hald retired in 1982. His books *A history of probability and statistics and their applications before 1750* and *A history of mathematical statistics from 1750 to 1930,* published in 1992 and 1998 respectively, are truly wonderful chronicles of the 350 years of our subject. As he explains in the preface to the second volume, remarks on the history of statistics will enliven courses on mathematical statistics, and to help modern readers, he has rewritten material from scores of papers and books in a uniform modern terminology without changing the ideas in the proofs. The last two chapters of the second book are concise, accessible summaries of RA Fisher's legacy. Hald tells us in the preface to this book that these chapters were based on an Essay on Fisher's statistical work that he wrote in 1938. This was during Fisher's prime, and I find it inspiring to think of him keeping this interest alive throughout his regular academic career (1948-1982), revising his essay 60 years later as the culmination of a second career in retirement as an historian of our subject.



Anders Hald chronicled 350 years of our subject

Hald was born on July 3, 1913, and so will be 93 this month. Let's wish him a happy birthday and many happy returns, and thank him for so greatly enriching our literature.

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.

❑ ***Volume 7:*** *Approximate Computation of Expectations by Charles Stein* (ISBN 0940600080)

❑ ***Volume 8:*** *Adaptive Statistical Procedures and Related Topics* edited by John Van Ryzin (ISBN 0940600099)

❑ ***Volume 14:*** *Invariant Measures on Groups and Their Use in Statistics* by Robert A Wijsman (ISBN 0940600196)

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❑ ***Volume 29:*** *Bayesian Robustness* edited by JO Berger, B Betro, E Moreno, LR Pericchi, F Ruggeri, G Salinetti, and L Wasserman (ISBN 0940600412)

❑ ***Volume 32:*** *Selected Proceedings of the Symposium on Estimating Functions* edited by IV Basawa, VP Godambe, and RL Taylor (ISBN 0940600447)

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Meeting report: Classification Society of North America

David Banks, Duke University, reports: On May 10-13, the Classification Society of North America met at DIMACS, the Center for Discrete Mathematics and Theoretical Computer Science at Rutgers University. The meeting, which was co-sponsored by IMS, had a shared day with the DIMACS workshop on Clustering Problems in Biological Networks.

As is customary at the annual CSNA meetings, the topics and applications were broad, but the common thread was cluster analysis and classification. This theme appeared in invited sessions on social networks, authorship identification, computational biology, data mining, protein interactions, and weighted clustering. It also appeared in the keynote talks; Panos Pardalos (University of Florida) spoke on mining massive datasets, Christina Leslie (Columbia University) spoke on protein classification, Sal Stolfo (Columbia University) spoke on anomaly detection in computer networks, David Madigan (Rutgers University) spoke on use of domain knowledge for prediction, Sanjoy Dasgupta (University of California–San Diego) spoke on active learning of linear separators, Pierre Hansen (GERAD, Montreal) spoke on automated theorem proving in the context of graph invariants, Casimir Kulikowski (and collaborators) spoke on cluster analysis in graph-structured genomic databases, and Fionn Murtagh (University of London) spoke on ultrametricity.

In terms of take-home messages, the cross-cutting conclusion is that dynamic network models will play a central role in many kinds of applications. One key issue is that the appropriate kind of dynamics depends sensitively upon the scientific context; another is that assessing the fit and predictive accuracy of such models will be difficult. A second main message is that there are two broad strategies for modern classification: tree-based methods and support vector machines. In applications and test-beds, neither dominates the other, and it is an open question to determine the circumstances under which method is likely to be superior. A third main message is that biological applications are growing fast, but face challenges both in terms of data quantity and data quality. And a fourth main message is that the classical tools of statistics are both the foundation for a new generation of inferential tools and the benchmark against which success is measured.

CSNA meetings pull together biologists, computer scientists, psychologists, library scientists, management scientists, mathematicians, and statisticians. This range of representation ensures that nearly everyone has some tool or insight to offer to a colleague, and that nearly everyone can learn something fresh. The CSNA publishes the *Journal of Classification*, edited by Willem Heiser (Leiden University); this journal has a long history of excellence in publishing leading articles on theory, methods, and applications in cluster analysis and classification.

This year's meeting was hosted by Mel Janowitz, CSNA president and associate director of DIMACS. The 2007 meeting will be at the University of Illinois at Urbana-Champaign.

Meeting report: ENAR/IMS Spring Meeting

More than 900 participants attended the 2006 Spring Meeting in Tampa, with 20% being students. The theme of the meeting was "A Carnival of Statistical Science," in honor of the originally scheduled site of this meeting, New Orleans, Louisiana.

The 92 scientific sessions included 44 invited sessions, 48 contributed sessions, and a poster session during the opening mixer. New this year was a series of invited introductory lectures on statistical genetics, longitudinal data, data mining, and Bayesian analysis. Scott Zeger, Professor of Biostatistics at the Johns Hopkins School of Public Health, presented the Presidential Invited Address on *"Statistical Science—Knowledge from Information."* His talk focused on our roles as statisticians and the challenges and opportunities we face when seeking information from data. Larry Brown of the Wharton School of the University of Pennsylvania presented the IMS Medallion Lecture on *"Shrinkage Estimation: an Expanding Statistical Theme,"* in which he discussed the historical roots of shrinkage estimators and showed how the core idea of shrinkage applies in contemporary settings.

The program also included four full-day short courses, two half-day short courses, four tutorials, 14 luncheon roundtables, a workshop on *"Fostering Diversity in Biostatistics"* and an NCI-Sponsored Junior Researcher's Workshop.

ENAR thanks the program chair, Montse Fuentes and co-chair José Pinheiro for organizing a terrific program. The Tuesday night social event was a dinner cruise of Tampa Bay on the StarShip Dining Yacht.

ENAR also coordinated a Career Placement Service, and 17 exhibitors displayed new books, journals, and software. ENAR thanks the 22 companies who sponsored this year's meeting.

Report: Probabilistic Symmetries and their Applications

Workshop organizers Gail Ivanoff and Raluca Balan of the University of Ottawa report

The Fields Institute/ University of Ottawa Workshop on Probabilistic Symmetries and their Applications was held in Ottawa from May 15–17, 2006. There were a total of 35 participants from Canada, the USA, Italy and Australia. Approximately half of the attendees were graduate students and postdoctoral fellows.

The workshop was particularly timely in that 2006 marks the centenary of the birth of Bruno de Finetti, the Italian mathematician whose famous theorem on the structure of infinite exchangeable sequences initiated the study of probabilistic symmetries. Professor Olav Kallenberg, currently the foremost researcher in the field, gave the three keynote lectures that provided an outstanding overview of the general theory of the major symmetries (contractability, exchangeability, and rotatability).

Professor Fabio Spizzichino gave a fascinating account of de Finetti's unique philosophy of statistical inference, as well as a lecture on an application of exchangeability in reliability theory. Professor Neville Weber's first lecture introduced the use of martingale techniques in the study of U-statistics, while his second focused on a more advanced analysis of the asymptotic behaviour of exchangeable arrays. Professor André Dabrowkski discussed the relationship between positive dependence and exchangeability for sequences. The subject of Gail Ivanoff's talks was conditional symmetries on arrays, and the associated martingale structures and sampling properties. Contributed talks were given by Rafal Kulik, Federico Bassetti, Fabrizio Leisen and Kamesh Casukhela.

All participants commented on the benefits of a broad exposure to an important subject in an intimate environment that provided ample opportunity for interaction and discussion. It is hoped that some of the young researchers will be inspired to tackle some of the challenging open problems proposed by Professor Kallenberg.

The organizers express their appreciation to both the Department of Mathematics & Statistics of the University of Ottawa and to the Fields Institute for the organizational and financial support that made the workshop possible. We are also pleased to acknowledge the sponsorship and financial support of the Centre de Recherches Mathématiques and the co-sponsorship of the Institute of Mathematical Statistics. Thanks are due to Atlas Mathematical Conference Abstracts for publishing the workshop abstracts free of charge.

The Invited Speakers were Olav Kallenberg, Auburn University, Alabama; Fabio Spizzichino, University la Sapienza, Rome; Neville Weber, University of Sydney, Australia; and André Dabrowski, University of Ottawa

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

Are you going to the Joint Statistical Meetings in Seattle this August?

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

If so, please get in touch before the end of July to discuss this: email Tati at bulletin@imstat.org

EBP: Brazilian School of Probability

Maria Eulalia Vares is the Local Organizer of the X EBP in Rio (see opposite). She gives a little background to the EBP series:

Nine years ago, the First Brazilian School of Probability was held at IMPA, Rio de Janeiro, in 1997, and it gathered around sixty-five participants. At that occasion, Charles Newman, Enzo Olivieri and Herbert Spohn gave mini-courses on disordered systems, low temperature dynamics for Ising systems, and interface motion in stochastic models, respectively. Twelve invited lectures and over twenty contributed talks featured in that first edition. Since then, the EBP has become an annual event of the Brazilian community working in the field, and it has usually been held at some resort on the coast, alternating between the states of Rio and São Paulo. Organized with the help of the corresponding Institutions, IMPA or Universidade de São Paulo and Unicamp, it is supported by various scientific societies and agencies, being currently part of the project IM-AGIMB. The link to all EBPs is http://www.ime.usp.br/ebp/ebp/

The school has had broad participation of researchers from various countries, and serves to a two-fold purpose: as school and as workshop, with a multi-disciplinary audience, composed of specialists, young researchers and graduate students in probability and related subjects.

For this tenth edition, the EBP returns to the city of Rio de Janeiro, this time in conjunction with the 2006 Annual Meeting of the Institute of Mathematical Statistics. It is indeed a very special occasion since the local community, from students to researchers, will have the opportunity to attend a meeting where most areas of current activity in Probability and Mathematical Statistics will be represented. The program of EBP will be mostly concentrated from Sunday afternoon to Wednesday mid-day, concatenated with the 5th Symposium on Probability and its Applications, under the auspices of the IMS. Featuring in this X EBP are mini-courses by Yuval Peres, discussing topics on determinantal processes, and by Murad Taqqu, on long range dependence; invited lectures by Vincent Beffara, Rob van den Berg, Stella Brassesco, Donald Dawson, Paul Dupuis, Vlada Limic, and Jim Pitman. There will be also two EBP Poster Sessions, with important participation of students.

Continuing the tradition, a special volume of invited and contributed papers on the topics of the School will be published (edited by V. Sidoravicius, M.E. Vares). Further details will be announced.

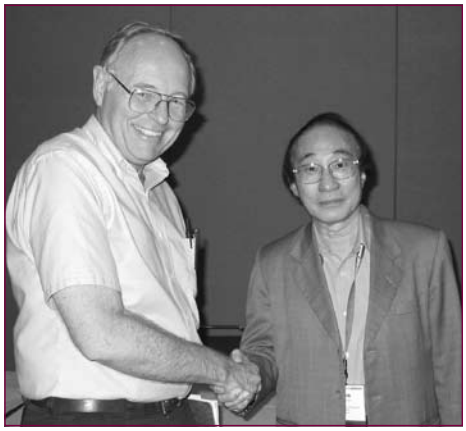
Rio's famous Sugar Loaf Mountain

Join us for the IMS Presidential Address & Reception

on Wednesday, August 2, 8:00pm, at the Rio Othon Palace

IMS Presidential Address:
Thomas G Kurtz, University of Wisconsin–Madison, will be speaking on
"Metastability, Bayesian statistics, and the future of the IMS"

Also featuring the presentations of
2006 IMS Fellows
Tweedie New Researcher Award
Laha Travel Awards



Tom Kurtz [left] in Minneapolis at last year's JSM, where he took over the IMS Presidency from Louis Chen [right]. This year's incoming President is Jim Pitman.

IMS 2006 and X EBP: Rio de Janeiro, Brazil

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

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

http://www.imstat.org/meetings/IMS2006/

UPDATED

Hotel reservations deadline May 31

The 2006 IMS Annual Meeting will be held jointly with the 10th Brazilian School of Probability (X EBP) 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.

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 Brasilian 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)

Joint Statistical Meetings: Seattle, August 6–10, 2006

IMS sponsored meeting:
w http://www.amstat.org/meetings/jsm/2006/

Join the largest international gathering of statisticians in the world. Each year, the Joint Statistical Meetings offer cutting-edge presenters for four days of technical sessions, roundtable sessions, continuing education courses, computer technology workshops, and poster sessions. JSM is held jointly with IMS, ASA, the International Biometric Society (ENAR and WNAR), and the Statistical Society of Canada. For information, contact jsm@amstat.org or phone toll-free (800) 308-8943.

Key Dates for JSM

May 1 Registration and hotel reservations open
May 31 Preliminary program posted on the JSM website
June 30-July 20 Advance registration (increased fees apply).
July 7 Hotel reservations deadline.
July 14 Final program available on JSM website.
August 5-10 On site registration (increased fees apply)

IMS Topic Contributed Sessions at JSM

Jennifer Hoeting, Colorado State Univ, is the IMS Contributed Session Chair at JSM:

IMS is sponsoring five topic contributed sessions at the Seattle Joint Statistical Meetings. The sessions cover a variety of topics which should be of interest to IMS members.

August 8: Topics in function estimation using isotonization and smoothing techniques. Organizer: Moulinath Banerjee, Univ of Michigan.

August 9: Sparse Inference and Multiple Comparisons. Organizer: Jiashun Jin, Purdue Univ.

August 9: Statistical Phylogenetics. Organizer: Bret Larget, Univ of Wisconsin, Madison.

August 9: Multidimensional Scaling and Manifold Learning. Section on Statistical Computing, IMS, Section on Statisticians in Defense and National Security. Organizer: Michael W. Trosset, The College of William & Mary.

August 10: Statistics of Extremes. Organizer: Liang Peng, Georgia Institute of Technology.

Preliminary program now available: download from meeting website

IMS Invited Sessions at JSM

Christopher R Genovese, Carnegie Mellon University, is the IMS Invited Program Chair for this year's Joint Statistical Meetings in Seattle. Here's an outline of the IMS Invited Sessions.

Modern Monte Carlo Methods for Statistical Inference
#11, August 6, organized by Anthony Brockwell

Graphical Models and Variational Methods
#42, August 6, organized by Martin Wainwright

Theory and Analysis of Complex Networks
#142, August 7, organized by Cosma Shalizi

A Tribute to Yehuda Vardi
#449, August 7

Advances in Phylogenetic Inference
#259, August 8, organized by Bret Larget

Statistical Models in Evolutionary Biology
#312, August 8, organized by Christopher Genovese

Semisupervised Learning
#90, August 7, organized by Yoonkyung Lee

Statistical Models of Natural Language Text
#524, August 10, organized by Michael Collins

Nonparametric Inference
#446, organized by Tony Cai

Semiparametric Inference in Practice
#396, organized by Florentina Bunea

We hope to see you there.


GENERAL PROGRAM SCHEDULE

Tuesday

2:05 pm The Life and Times of Holly Fryer—☆ John E. Boyer, Kansas State University
2:30 pm Recent Developments on Multiplicative Interaction Models—☆ Dallas E. Johnson, Kansas State University
2:55 pm Estimating Genetic Relatedness—☆ Bruce S. Weir, University of Washington
3:20 pm Signals and Noises: Statistical Models Based on Fundamental Tenets of the Environmental and Ecological Sciences—☆ Mark S. Kaiser, Iowa State University
3:45 pm Floor Discussion

310 CC-602
○ Recent Advances in Resampling Methods for Complex Data Structures—Invited
Section on Nonparametric Statistics
Organizer(s): Soumendra N. Lahiri, Iowa State University
Chair(s): Shuzhi Sun, Wright State University
2:05 pm A Nonparametric Plug-in Rule for Smoothing Parameter Selection—☆ Soumendra N. Lahiri, Iowa State University
2:30 pm A Blockwise Empirical Likelihood for Spatial Data—☆ Daniel J. Nordman, Iowa State University
2:55 pm The Limit of Finite Sample Size and a Problem with Subsampling—☆ Donald W. K. Andrews, Yale University
3:20 pm Unit Root Testing via the Tapered Block Bootstrap—☆ Cameron Parker, University of San Diego; Dimitris Politis, University of California, San Diego
3:45 pm Floor Discussion

311 CC-606
● ○ Computational Challenges of Massive Datasets and Sources—Invited
Section on Statistical Computing, Section on Statisticians in Defense and National Security, Section on Statistical Graphics
Organizer(s): Karen Kafadar, University of Colorado
Chair(s): Karen Kafadar, University of Colorado
2:05 pm Statistical and Computational Issues Associated with Massive Public Health Databases for Detecting Adverse Events—☆ Kathe E. Byrk, Colorado Department of Public Health and Environment

2:35 pm Dimension Reduction of Large Datasets in the Atmospheric Sciences—☆ Barbara A. Bailey, University of Colorado
3:05 pm Automated Metadata—Edward Wegman, George Mason University; ☆ Faleh Alshaawi, George Mason University
3:35 pm Floor Discussion

312 CC-4C-4
● ○ Statistical Models in Evolutionary Biology—Invited
IMS, Biometrics Section, WNAR
Organizer(s): Christopher Genovese, Carnegie Mellon University
Chair(s): Caiyi Guo, University of Wisconsin-Madison
2:05 pm Introductory Discussion—☆ Christopher Genovese, Carnegie Mellon University
2:25 pm Mathematical Models of Speciation—☆ Sergey Gavrilets, University of Tennessee
2:45 pm Fitness Value of Information—☆ Carl Bergstrom, University of Washington; Michael Lachmann, Max Planck Institute for Mathematics in the Sciences
3:05 pm Floor Discussion

313 CC-611
Biometrics Editor Invited Session —Invited
ENAR, WNAR
Organizer(s): Yilong Liu, Harvard School of Public Health; Mike Kenward, University of London
Chair(s): Haiyan Wang, Texas A&M University
2:05 pm Are Flexible Designs Sound?—☆ Carl-Fredrik Burman, AstraZeneca Pharmaceuticals; ☆ Christian Sonesson, AstraZeneca Pharmaceuticals
2:25 pm Discussion: Christopher Jennison, University of Bath
2:35 pm Discussion: Michael Proschan, Biostatistics Research Branch, NIAID
2:45 pm Discussion: Peter Bauer, University of Vienna
3:05 pm Discussion: Marianne Frisén, Göteborg University
3:15 pm Floor Discussion

314 CC-607
● Challenges for Early Detection of Cancer Using Genomic or Proteomic Profiles—Invited
General Methodology, Biometrics Section, WNAR, ENAR
Organizer(s): Larry G. Kessler, U.S. Food and Drug Administration

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

w 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

w 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

At a glance: forthcoming IMS Annual Meeting dates

2006

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

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

2007

IMS Annual Meeting @ JSM: Salt Lake City, **July 29 – August 2, 2007**

2008

IMS Annual Meeting: Singapore, **July 20–26, 2008**. With VII Bernoulli World Congress.

JSM: Denver, **August 3–7, 2008.**

2009

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

IMS co-sponsored meeting

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

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

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

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

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

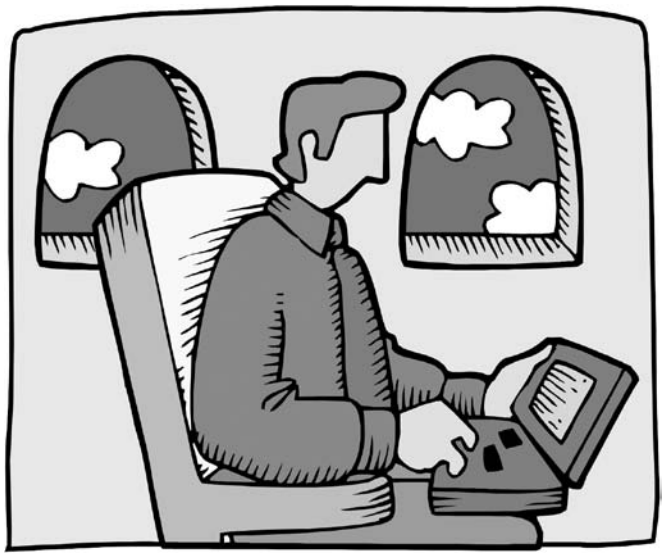
IMS co-sponsored meeting:

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

NEW



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

28th Midwest Probability Colloquium
Northwestern University, Evanston, Illinois
October 20–21, 2006

NEW

w www.math.northwestern.edu/conferences

The Twenty-eighth Midwest Probability Colloquium will be held at Northwestern University on October 20–21, 2006. The program was organized by a committee consisting of Robert Bauer, Brian Rider and David Griffeath (chair)

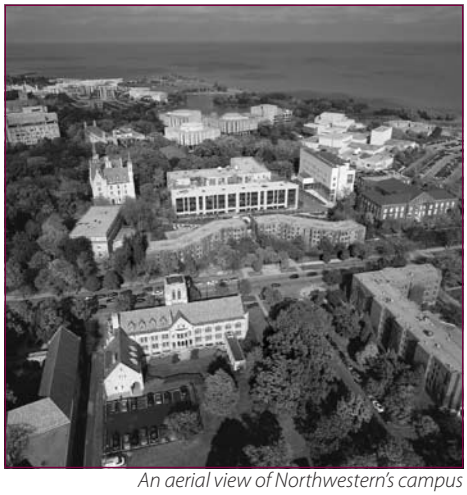
The program will feature the following speakers:

Ofer Zeitouni (U. Minnesota and Technion), two lectures

Alexander Holryod (U British Columbia), one lecture

Balint Virag (U Toronto), one lecture

The Friday lectures will be held in Swift Hall, Room 107, which is directly across the lawn from the Mathematics Department. The Saturday lectures are also (provisionally) scheduled for Swift Hall, Room 107.



An aerial view of Northwestern's campus
Photo courtesy of Tobin Marks

The Midwest Probability Colloquium will begin with a registration period* at 2:30 pm, Friday. Zeitouni's first talk will begin at 3:00 pm. Following a coffee break, the second talk will begin at 4:00. There will be a hotel reception for all participants from 5:00–7:00 pm. On Saturday morning the first talk will begin at 9:30 am, followed by a coffee break and the regular annual business meeting. The conference will conclude with Holroyd's talk from 1:30–2:30 pm.

Rooms have been reserved at three different locations:

a. Homestead Residence 1-847-475-3300

b. Best Western University Plaza 1-847-491-6400

c. Comfort Inn Northshore Skokie 1-847-679-4200

Please check the website above for up-to-date information. We expect to be able to partially supplement the room rates by conference funds, as we have done in the past. Please note that, when making reservations, IT IS ESSENTIAL to give the name of the group, ***Midwest Probability Colloquium***, in order to be included in the list for possible reimbursement; otherwise your name will be lost among a large group of unaffiliated hotel guests.

As in the past, we expect to have NSF funds to offset the expenses of graduate students and other younger investigators. All such requests should be received by the conference organizer on or before October 1, in order to be eligible for consideration. In every case, first consideration will be given to chronological priority.

Local information about Evanston and Chicago is available from the website of the Mathematics Department, www.math.northwestern.edu

24th Annual Conference of the Indian Society for Medical Statistics
December 1–3, 2006
Coimbatore, Tamil Nadu, India

NEW

The 24th Annual Conference of the Indian Society for Medical Statistics is being organized during 1–3 December 2006 at PSG Institute of Medical Sciences & Research, Coimbatore 641004, Tamil Nadu, India. The theme of the conference is *"Medical Statistics and National Millennium Development Goals"*. Subthemes related to Millennium Development Goals will mainly focus on Nutrition, Infant and Child Health, Maternal Health, HIV/AIDS, Communicable Diseases, Environmental Health, Gender Equality and Improvement of Health as a Component of Development. Those related to Medical Statistics will mainly focus on Clinical and Pharmacological Research, Survival Analysis, Meta-analysis; Population-based Registries, Non-communicable Disease Research, Parametric and Nonparametric Statistics, Bioinformatics and Genetics. However, research involving Biostatistical Applications in any area is welcome. In addition, pre-conference courses are also planned on 30 November 2006. The proposed areas include Advanced Bio-statistical Techniques for Clinical Trials and Research Methodology for Medical Postgraduates.

For more details, please contact the Organizer of the Conference, Dr. Anil C. Mathew, Associate Professor of Biostatistics, PSG Institute of Medical Sciences & Research, Coimbatore 641004, Tamil Nadu, India. Tel: 91-422-2570170 ext 5803 or 91-422-5535177, e-mail: dranilmathew@rediffmail.com.

International Conference on Stochastic Analysis and Its Applications
University of Washington, Seattle
August 7–11, 2006.

NEW

w http://www.math.washington.edu/~zchen/Conference/index.shtml

The International Conference on Stochastic Analysis and Its Applications will be held at the University of Washington, Seattle, from August 7–11, 2006.

This conference is co-sponsored by the The Pacific Institute for the Mathematical Sciences (PIMS), and is funded by PIMS, NSA, VIGRE and the Milliman Fund at the University of Washington. The conference is organized by Krzysztof Burdzy and Zhen-Qing Chen.

The main topics of the conference include (but are not limited to)

1. Stochastic analysis and its applications
2. Markov processes, including jump type processes and measure-valued processes
3. Dirichlet forms
4. Analysis on fractals and percolation clusters

The primary goal of the conference is to bring researchers in areas listed above, from all over the world, to survey the fields, exchange ideas and to foster future collaborations. Another important goal is to expose young researchers and Ph.D students to the most recent developments in active areas of probability theory.

See the conference website for more information.

At this point all available funds are committed but there might be some financial support available later.

Minorities, women, advanced graduate students and recent graduates are especially encouraged to apply. Please let us know if you belong to any of these categories. Apply by e-mail. Send a message to zchen@math.washington.edu

Students and recent graduates should ask their advisors to send us a one-paragraph note by e-mail in support of the application.

Conference on Nonparametric Statistics and Related Topics
September 15–17, 2006
Carleton University

NEW

w http://www.fields.utoronto.ca/programs/scientific/06-07/nonparametric/

The Fields Institute, in collaboration with Carleton University, will be supporting a "Conference on Nonparametric Statistics and Related Topics". The conference will be held at Carleton University and will run from September 15–17, 2006.

The organizers are Ehsanes Saleh, Majid Mojirsheibani and Natalia Stepanova (Carleton)

Registration, Fees: $150 ($50/students and PDF's) Onsite after September 8.

Call for papers

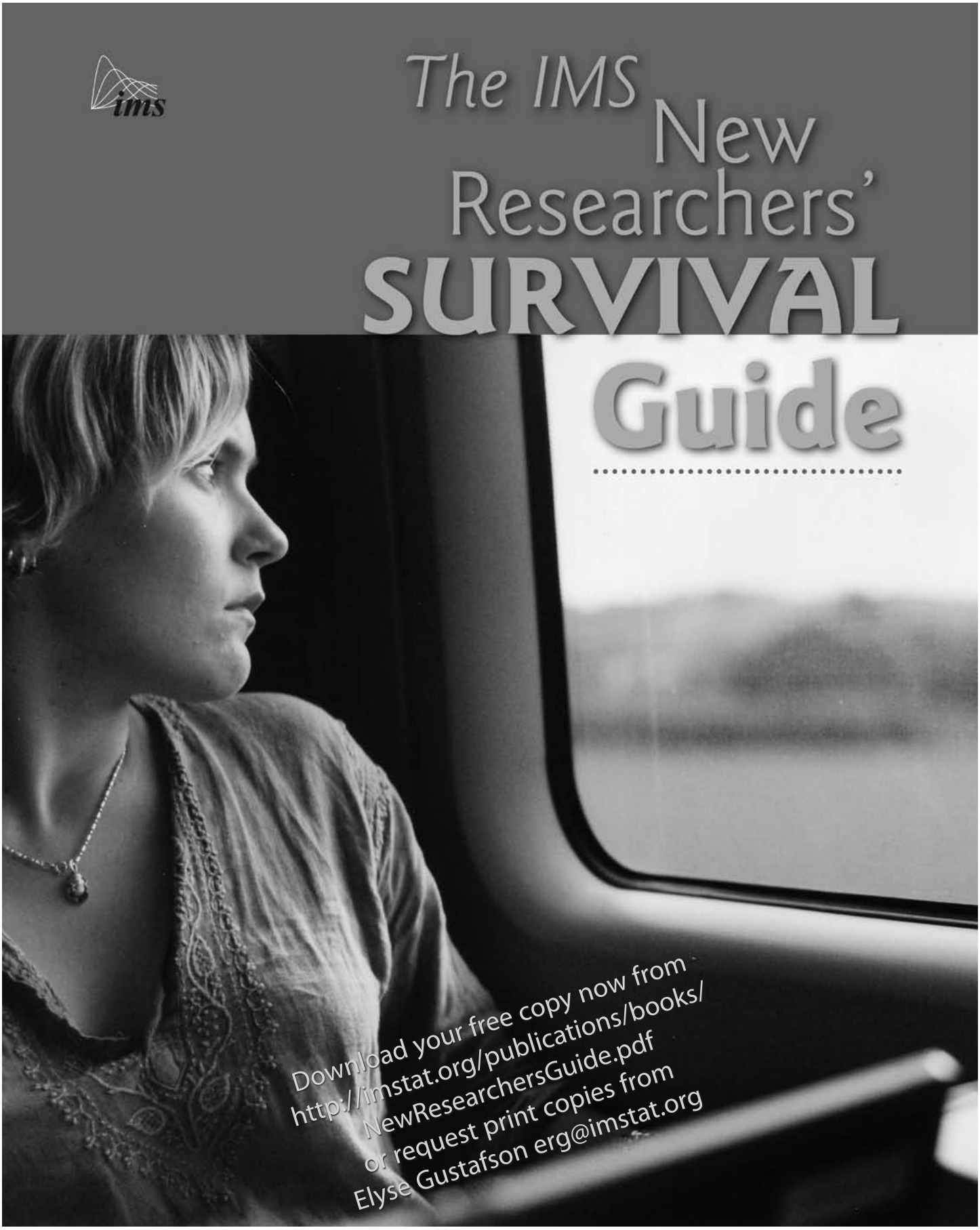
Contributed talks are invited for 15-minute presentations. Deadline to submit July 31, 2006. Please submit to esaleh@math.carleton.ca

Tentative list of Invited Speakers

Michael G. Akritas (Penn State)
D.A.S. Fraser (Toronto)
M. Ghosh (Florida)
Marc Hallin (Univ. Libre De Bruxelles)
Giles Hooker (McGill)
Jana Jureckova (Charles University, Prague)
Hira L. Koul (Michigan State)
Boris Levit (Queens)
Fang Li (Purdue) Joseph McKean (Western Michigan)
Maden L. Puri (Indiana)
Tim Ramsay (The Ottawa Hospital)
J.N.K. Rao (Carleton)
David Ruppert (Cornell)
Pranab Sen (North Carolina)
Robert Serfling (Texas at Dallas)
Muni S. Srivastava (Toronto)
Winfried Stute (Mathematischen Institut der JLU Gießen)

Contact

For additional information contact A. K. E. Saleh esaleh@math.carleton.ca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USA: Oregon

Sr. Statistician - Undertake wide variety of primary market research analysis. MS in Statistics or equivalent or higher. 2 yrs. of exp. with data manipulation in SAS/SQL/SPSS; with Maximum Likelihood Algorithm, Optimization, Hierarchical Bayes/MCMC, Time-Series Analysis, Mean Comparison tests, Factor Analysis, General Linear Modeling, and related techniques in a market research context; & with R/S programming. Exp. can be concurrent. Send resume & cover to Momentum Market Intelligence, Attn: Kris Malone, 220 NW 2nd Ave., Suite 600, Portland, OR 97209

USA: North Carolina

The Department of Biostatistics and the Lineberger Comprehensive Cancer Center (LCCC) at the University of North Carolina at Chapel Hill are seeking a non-tenure track Research Assistant or Research Associate Professor to collaborate with cancer researchers on grants, cancer genomics, clinical trials, and other cancer-related research, and to engage in independent methodological research. The LCCC is one of 27 NCI-designated comprehensive cancer centers. Applicants should hold a PhD in biostatistics or statistics, and possess good communication skills.

Send CV and three letters of reference to:

Betsy Seagroves
Department of Biostatistics
CB #7420, 3101 McGavran-Greenberg Hall
University of North Carolina at Chapel Hill
Chapel Hill, NC 27599-7420

UNC is an Equal Opportunity Employer. Women and minorities are encouraged to apply

USA: Virginia

ASA Seeks New Executive Director

The American Statistical Association is seeking an Executive Director to begin in 2007. The Executive Director acts as the secretary of the Association, serves as a nonvoting member of the Board of Directors, and is a national spokesperson for the ASA. Major responsibilities of the Executive Director include outreach to the statistical sciences professional community and management of the national office in Alexandria, VA, which is located in the metropolitan Washington, DC, area and has a staff of approximately 40 people.

The ideal candidate for this position will have an innovative vision of the goals of the Association and the statistics profession. The successful candidate should also exhibit substantial experience as a professional statistician in academia, industry, or government; excellent managerial and administrative skills; strong interpersonal and leadership talents; broad knowledge of the ASA and related statistical societies; and flexibility and energy.

For further information about the position and the application process, please visit www.amstat.org. Applications received by September 12, 2006, will be given full consideration. All communication and applications should be sent to:

Robert N. Rodriguez
Chair, ASA Executive Director Search Committee
SAS Institute Inc.
SAS Campus Drive
Cary, NC 27513-8000
Phone: (919) 531-7650
Fax: (919) 677-4444
Email: Bob.Rodriguez@sas.com

USA: California

Please forward your resume to: ligodwin@directv.com

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Currently we are seeking a **Sr. Statistician** for our El Segundo, CA office. This individual will be responsible for the following:

- Provide advanced profiling, segmentation, and predictive modeling support for internal customers such as Retention & Loyalty Marketing, Acquisition Marketing, Customer Service, and Sales. Provide basic statistical and analytic support such as subscriber churn, package migration, and customer profiles.
- Extract, compile, and summarize large volumes of data into usable information utilizing SAS and SPSS software tools.
- Build predictive models to assist in campaign list selection.
- Tracks, analyze and interpret trends in data in order to provide relevant conclusions and recommendations to management.
- Work with various cross functional groups to understand changes in competitive environment, primary market research information, etc. and the effect to new/current subscribers.

Qualifications include:

- 5+ years experience mining large volumes of data into actionable, predictive and accurate information.
- Statistical knowledge a must.
- Experience accessing data from Oracle, SQL Server and MS Access.
- Hands-on knowledge using SAS, SPSS, MS Office software.
- Must be self-motivated and have the ability to work with limited supervision.
- Ability to work in a fast paced small team environment.
- Excellent interpersonal, oral/written communication, organization and teamwork skills.
- Telecommunications or subscription based industry experience a plus.
- B.S. Business, Quantitative Analysis, Computer Science or equivalent.
- Advanced Statistical/Math degree or a MBA a plus.

International Calendar of Statistical Events

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

July 2006

July 2–7: Salvador, Brazil. **ICOTS7:** Working Cooperatively in Statistics Education. Carmen Batanero **e** batanero@ugr.es **w** www.maths.otago.ac.nz/icots7

July 3–6: Auckland, New Zealand. **ASC/NZSA 2006: Australian Statistical Conference and New Zealand Statistical Association. w** www.statsnz2006.com/ **e** statsnz2006@tourhosts.com.au

July 4–6: Leeds, UK. **25th LASR workshop: Interdisciplinary Statistics and Bioinformatics. e** workshop@maths.leeds.ac.uk **w** http://www.maths.leeds.ac.uk/statistics/workshop/

IMS July 7–8: Northeast Normal Univ, Changchun, China. **International Conference on Frontiers in Statistics: Biostatistics and Bioinformatics.** IMS Rep Samuel Kou. **w** http://math.nenu.edu.cn/icf

IMS July 10–13: University of Wisconsin–Madison. **Markov Processes and Related Topics: A conference in honor of Tom Kurtz on his 65th birthday.** IMS Representative on Program Committees: Stew Ethier. **w** http://www.math.utah.edu/~ethier/kurtzfest.html

July 10–14: Leiden, The Netherlands. **Asymptotics: particles, processes and inverse problems, on the occasion of the 65th birthday of Piet Groeneboom. w** www.lorentzcenter.nl/lc/web/2006/20060710/info.php3?wsid=189

July 16–21: Technical Univ of Lisbon, Portugal. **ICORS 2006: International Conference on Robust Statistics. w** www.math.ist.utl.pt/icors2006 **e** icors2006@math.ist.utl.pt

July 16-21: Montreal, Canada. XXIII **International Biometrics Conference.** Lynne Billard **t** 706-542-3281 **e** lynne@stat.uga.edu **w** www.ibc2006.org

IMS July 17–21: Paris, France. **Stochastic Processes and Applications XXXI.** IMS reps: E Perkins, J Pitman, P Protter, A Sznitman, S Tavare and E Waymire. **w** www.proba.jussieu.fr/pageperso/spa06/index.html

July 24–28: Caxambu, Minas Gerais, Brazil. **17th Brazilian Symposium of Probability and Statistics. w** http://www.redeabe.org.br

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

July 24–28: Rey Juan Carlos University Foundation, Madrid, Spain. **2nd SIPTA School on Imprecise Probabilities.** Contact Enrique Miranda **e** enrique.miranda@urjc.es **w** http://bayes.escet.urjc.es/~emiranda/sipta

July 27–28: Penn State University, University Park, PA. **Workshop on Matrix Theory and Computations. w** www.stat.psu.edu/news/conferences/MatrixTheory_July2006.pdf

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

IMS 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. Abstract submission deadline April 1; hotel reservation deadline May 30. Program online June 1. **w** www.imstat.org/meetings/IMS2006/

August 2006

IMS 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/

IMS 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

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

Continued on **page 24**

International Calendar *continued*

August 2006 cont'd

ims 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

NEW 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

NEW 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

NEW 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

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

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

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

IMS December 28–29: Calcutta, India. Now an IMS co-sponsored meeting: **Multivariate Methods in the 21st Century: international conference to mark the birth centenary of Professor S N 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

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

March 2007

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

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

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

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

March 2008

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

July 2008

IMS July 20–26: Singapore. **71st IMS Annual Meeting in conjunction with 7th Bernoulli Society World Congress.** Details to follow.

August 2008

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

March 2009

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

Continued on **page 26**

International Calendar *continued*

August 2009

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

August 2010

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

July 2011

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

July 2012

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

August 2014

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

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

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

It's easy… and it's free!

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

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

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

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

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

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Email your advert to Elyse Gustafson, IMS Executive Director, erg@imstat.org who will arrange for it to be placed in the *Bulletin* and on the website.

Deadlines and Mail Dates for *IMS Bulletin*

Issue	Deadline for Advertisement	Online by	Scheduled Mail Date
1: January/February	***December 1***	December 15	January 1
2: March	***February 1***	February 15	March 1
3: April	***March 1***	March 15	April 1
4: May	***April 1***	April 15	May 1
5: June	***May 1***	May 15	June 1
6: July	***June 1***	June 15	July 1
7: August/September	***July 1***	July 15	August 1
8: October	***September 1***	September 15	October 1
9: November	***October 1***	October 15	November 1
10: December	***November 1***	November 15	December 1

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in the next issue

August/ September 2006

Reports from 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

July 1, 2006

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

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

IMS: Organized September 12, 1935

Kakuro corner

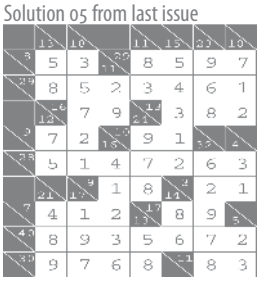
How to play: Place single digits (1 to 9 inclusive) in the white boxes in the grid. The row or column of digits which make up a sequence must add up to the black box to the left or at the top. Each digit in a sequence must be different. In the example below, the first row sequence is to make 8:

No repeated digits in a sequence.

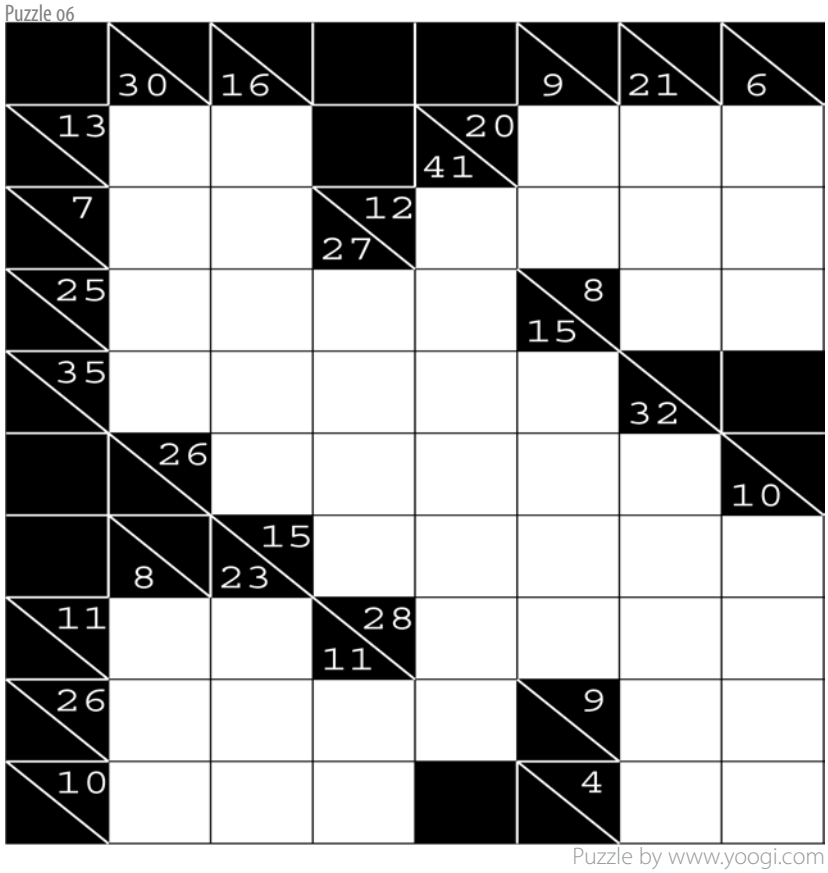
This row sequence doesn't add up to 8.

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

Solution 05 from last issue



Puzzle 06



Puzzle by www.yoogi.com