



May 2005

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## IMS Elections 2005: vote now!

The Institute of Mathematical Statistics announces the candidates for the 2005 IMS Council and Presidential Elections. Their statements and other information are listed on pages 10 to 13.

This year votes may only be cast electronically. As usual, all IMS members with a current email on file will be sent an electronic voting ballot. In addition, members will be sent a postcard with their voting information. You may visit <https://www.imstat.org/secure/vote/> to cast your vote **before June 25, 2005**.

You will need your Member ID for voting. It can be found on the top left corner above your name on the mailing label of an IMS journal or *Bulletin*. You may also contact the office <ims@imstat.org> to get it. If you prefer a paper ballot, you may request one by emailing or calling Elyse Gustafson <erg@imstat.org> or phone 216-295-2340. Please provide your first and last name when requesting a paper ballot.

Five members will be elected to the Council this year, using the Single Transferable Voting System: more details at <http://www.imstat.org/elections/stvprocess.htm>

### Instructions for voting

- ☒ Please rank the candidates 1, 2, 3...5, in order of preference.
- ☒ Number as many candidates as you wish; all remaining candidates will be treated as being of equal and lower preference (1=1st choice, 0=lower preference).
- ☒ No ties are allowed among the numbered preferences.
- ☒ Numbered rankings must be sequential.
- ☒ You may vote for any IMS member for any office by printing the member name on a blank line and ranking the corresponding box.

We'll be announcing the results as soon as we hear. Read the candidates' supporting statements now!

Turn to **Page 10**



IMS  
**Elections**  
2005

Vote online by June 25

<http://imstat.org/elections>

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## Member News

### AAAS Statistics Section Fellows

The American Association for the Advancement of Science has inducted as 2005 Fellows the following four people (the first three of whom are IMS members):

**Ibrahim A Ahmad**, University of Central Florida [pictured top right]: For significant contributions to nonparametric statistics, for outstanding leadership in statistics program development and administration, for excellent editorials, and for service to the profession.



*Ibrahim Ahmad*

**L Mark Berliner**, Ohio State University, Columbus [pictured center right, with his Siberian husky]: For distinguished contributions to geophysical and environmental statistics and for development of collaborative research among statisticians and geophysical scientists.



*Mark Berliner*

**James E Gentle**, George Mason University [pictured below right, harvesting grapes]: For distinguished contributions to the development of statistical algorithms and software and for important contributions to teaching of computational statistics via the publication of seminal textbooks.



*James Gentle*

**Clark Glymour**, Carnegie Mellon: For fundamental contributions to providing a theory of causal discovery from non-experimental data and for advancing the practice of causal discovery through applications.

### André Rogatko moves to Winship Cancer Institute, Emory Univ



The Winship Cancer Institute of Emory University has announced the appointment of André Rogatko, PhD, as associate director of Biostatistics Research and Informatics. Dr Rogatko has moved from the Fox Chase Cancer Center in Philadelphia, where he was chairman of the Department of Biostatistics and director of the Biostatistics Shared Facility. He has served as staff scientist for the International Agency for Research on Cancer for the World Health Organization in Lyon, France, and as an assistant biostatistician and research fellow for Memorial Sloan-Kettering Cancer Center in New York. A native of São Paulo, Brazil, Dr Rogatko is a graduate of São Paulo University with a PhD in Genetics/Statistics, Summa cum laude.

Dr Rogatko is developing methodologies to improve design and provide more efficient analytical tools in Phase I/II clinical trials. He is also studying genetic epidemiology to further understand the interactions between genetic and environmental factors in cancer etiology, as well as developing statistical methodologies that will have application in the areas of segregation analysis, gene mapping and risk prediction.

# OBITUARY: Ching-Zong Wei

## 1949–2004

PROFESSOR CHING-ZONG WEI, Research Fellow of the Institute of Statistical Science at Academia Sinica, Taiwan, passed away on November 18, 2004 after a six-year courageous fight with brain tumors, including major surgery three times. He is survived by his wife of close to 30 years, Mei, and a daughter.

Ching-Zong was born in 1949 in south Taiwan. He studied mathematics at National Tsing-Hua University, Taiwan, where he earned a BS degree in 1971 and an MS degree in 1973. Professor Y.S. Chow successfully persuaded him to pursue advanced studies at Columbia University where he earned a PhD degree in statistics in 1980, under the guidance of Professor T L Lai.

Ching-Zong joined the Department of Mathematics at the University of Maryland, College Park, as an Assistant Professor in 1980, and was promoted to the rank of Associate Professor and Full Professor in 1984 and 1988. In 1990 he returned to Taiwan, his beloved homeland, to join the Institute of Statistical Science at Academia Sinica where he stayed for the rest of his life, serving between 1993 and 1999 as Director of the Institute. His leadership and vision greatly helped the Institute grow, expand and diversify. He also held a joint appointment with the Department of Mathematics at National Taiwan University.

Ching-Zong made fundamental contributions in the areas of stochastic regression, adaptive control, nonstationary time series, model selection and sequential design. In particular, his pioneering works on (i) strong consistency of least squares estimates in stochastic regression models (with T L Lai), (ii) asymptotic behavior of least squares estimates in unstable autoregressive models (with NH Chan), and (iii) predictive least squares principles in model selection, have been influential in the control engineering, econometrics and time series literature. Ching-Zong was elected a Fellow of the Institute of Mathematical Statistics in 1989, and served as an Associate Editor of the *Annals of Statistics* (1987–1993) and *Statistica Sinica* (1991–1999). He was on the list of highly cited researchers identified by the web site [www.ISIHighlyCited.com](http://www.ISIHighlyCited.com)

In addition to theoretical research work, Ching-Zong was deeply concerned about statistical education. To promote statistical thinking among the general public, he published in local newspapers and magazines articles on various topics of general interest such as lottery games and the Bible code. These articles, written in Chinese, introduced basic statistical and probabilistic concepts in a heuristic and reader-friendly manner via entertaining stories, without formal statistical jargon. His impact on statistical education in Taiwan will be felt for years to come. We will miss him dearly.

*This obituary, written by Ching-Shui Cheng, the Director of the Institute of Statistical Science at Academia Sinica, and Yi-Ching Yao, a Research Fellow at the Institute, first appeared in the Bulletin of the International Chinese Statistical Association in January 2005.*

## Statisticians elected to the National Academy of Engineering

Dimitris J Bertsimas, Boeing Professor of Operations Research at Massachusetts Institute of Technology, and J Stuart Hunter, Professor Emeritus of the School of Engineering and Applied Science at Princeton University, have been elected to the US National Academy of Engineering. Details to follow in a future issue.

## Executive Committee

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# Terence's Stuff: Books Worth Recommending

Terry Speed continues with the topic of books, turning this time to those worthy of recommendation. Read on...



Who last asked you, “Can you recommend a good book on statistics?”

I usually hear it from people who have asked me for statistical help, and who, after getting some, come to the conclusion that they need to learn more about statistics in order to understand my response. Perhaps I should view such requests as a sign of failure. After all, if my explanations were beautifully clear and simple, why would they want or need more? But I don't think this way. Rather, I am delighted, and recommend my favourite book, or give them a copy from my collection of old ones.

Another group of questioners consists of people who need to understand statistics as it is used in some other discipline—biology, psychology, political science, the law—and who were not enlightened by the books recommended by their teachers. Perhaps a professional statistician knows better books, they reason. We should.

What do such people want? Certainly not to how to do the calculations. They want to know what it is all about, to get an appreciation and some understanding of the elementary mysteries of our subject. A very subjective list of these mysteries might include answers to the questions:

*What is probability?*

*Why do we take averages?*

*What is a standard error?*

*Why do we take random samples?*

The list goes on, but not forever (as would a list of test procedures). There is a rather modest number of core notions in

our subject, and it is not unreasonable to expect an elementary book to cover all of them.

I would have benefitted greatly from reading such a book early on in my career. But I obtained an applied-mathematical statistical education, where we derived sampling distributions and wound the handle of our Brunsviga calculators, and never wondered why we took random samples. If I had been asked, I would surely have said something about representativeness or unbiasedness (I knew what that meant!), but never in a million years would I have given the correct answer. Early on I viewed statistics as a procedural activity: under this set of circumstances, do this; under that set, do that. There were formulae and occasionally theorems underpinning the procedures, but there was little encouragement, and I lacked the imagination independently to ask the reason why. Later, when I came to teach statistics, I started asking questions, but I have never been able to fill my shelf with elementary books having the answers.

Any book we recommend to our questioners should be one we have read, and one we wish we had read when we were in the same innocent state. Above all, it should be an honest book; we already have enough trouble with the conjunction of lies and statistics coming from the mouths of others. It should be accessible, and it should be both elementary and sophisticated. Our subject is not rocket science, but our mysteries are not trivial. Daily, in all spheres, we see failure to appreciate them; our truths are not self-evident.

Where can we find such books? I wondered this for many years. I could find snippets here, gems there, but I never seemed to find a single elementary book that I could read, enjoy, and recommend.

Then, late in my career I hit paydirt:

*Statistics* by Freedman, Pisani and Purves.

I had to go to Berkeley to find it, as I had spent my life to that point teaching statistics in an applied-mathematical way, just as I had learned it—but with the Brunsviga replaced by a calculator, and later a computer.

In Berkeley (and elsewhere) this book is used to teach our mysteries in an honest way to thousands of liberal arts, business, science and other students each year. Two of its authors are current colleagues, so this might seem like a case of supporting the local team, of simple parochialism. I know it isn't, as I searched for decades for an elementary book to tell me what a confounder is, to watch out if a test of significance is based on the whole population, or that data-snooping makes  $p$ -values hard to interpret.

Is *Statistics* the only such book? I might have discovered *Statistics: A New Approach* by Wallis and Roberts as a student, but I didn't. More recently I met the *Reference Guide On Statistics* by Kaye and Freedman, part of the Federal Judicial Center's Reference Manual on Scientific Evidence. This has the great virtue of being downloadable free (<http://www.fjc.gov/>), as well as being readable and honest. It should be, as it was written for US Federal judges. I now recommend that a lot, as well as *Statistics*. All three are truly great books. But there will be others. What do you recommend?





The new library of the Faculty of Mathematics and Physics, Charles University in Prague, Czech Republic, has been reopened. The library flooded in August 2002, damaging thousands of books, journals and manuscripts beyond repair. *Bulletin* readers will recall the appeal for help (*IMS Bulletin*, September/October 2002). Ivan Netuka, Dean of the Faculty of Mathematics and Physics, and Vladimír Souček, Vice-Dean, report:

The August floods in 2002 dramatically affected the mathematical and information science's part of the library that is situated in the Faculty's building in Karlín. The water reached a height of 2.9 meters above pavement level. In all, 13,000 books, 468 titles of journals, 6,800 textbooks and 2,000 diploma theses were damaged, as well as some manuscripts dating back to the seventeenth century.

In the period after the floods we received great support from foreign and home organizations, institutions, societies, universities and individual donors. Financial donations from all the donors reached almost 104,000 Euros [*over US\$133,000*]. The principal financial support was provided by the Ministry of Education, Youth and Sports, and Charles University.

In addition, the Faculty received 5,907 books and 156 journal titles from 165 donors. Donors who were identified were sent letters of thanks.

Two press conferences were held on the occasion of the presentation of a large collection of books and journals from French and German mathematicians.

In September 2004 the construction of the new library was finished, and after the previous unfortunate experience, it was decided to situate it on the first floor [*i.e. second floor for American readers!*]. The library was opened for the beginning of this academic year.

The Faculty of Mathematics and Physics would like to thank all the people and institutions who contributed to the renewal of the library with their understanding and help.



Above: Charles Bridge spans Prague's Vltava River, which burst its banks in August 2002.

Left: scenes of devastation in the Faculty of Mathematics and Physics library. Thousands of books and journals were lost.

Below: the new library...rebuilt above ground level.



# Springer for Statistics



## Functional Data Analysis

**J. Ramsay**, McGill University;  
**B. W. Silverman**, Oxford University

The book presents novel statistical technology while keeping the mathematical level widely accessible. This second edition is aimed at a wider range of readers, and especially those who would like to apply these techniques to their research problems. In particular, there is an extended coverage of data smoothing and other matters arising in the preliminaries to a functional data analysis. The book will

have value both within statistics and across a broad spectrum of other fields.

2nd ed. 2005. Approx. 436 p. 98 illus. (Springer Series in Statistics) Hardcover  
 ISBN 0-387-40080-X ► € 62,95 | £ 48,50

## Modern Portfolio Optimization with NuOPT, S-PLUS and S+Bayes



**B. Scherer**, Deutsche Asset Management, Frankfurt, Germany;

**D. Martin**, University of Washington, Seattle, WA, USA

This book fills the gap between current university instruction and current industry practice by providing a comprehensive computationally-oriented treatment of modern portfolio optimization and construction methods. The computational aspect of the book is based on extensive use of S-Plus®, the S+NuOPT optimization module, the S-Plus Robust Library and the S+Bayes Library,

along with about 100 S-Plus scripts and some CRSP® sample data sets of stock returns. A special time-limited version of the S-Plus software is available to purchasers of this book.

2005. VIII, 412 p. Hardcover  
 ISBN 0-387-21016-4 ► € 54,95 | £ 42,50



## Statistical and Inductive Inference by Minimum Message Length

**C.S. Wallace**, formerly of Monash University, Harkaway, VIC, Australia

This book gives a sound introduction to the Minimum Message Length Principle and its applications, provides the theoretical arguments for the adoption of the principle, and shows the development of certain approximations that assist

its practical application. MML appears also to provide both a normative and a descriptive basis for inductive reasoning generally, and scientific induction in particular. The book describes this basis and aims to show its relevance to the Philosophy of Science.

2005. XVI, 424 p. 22 illus. (Information Science and Statistics) Hardcover  
 ISBN 0-387-23795-X ► € 59,95 | £ 46,00

## Missing Data and Small-Area Estimation

### Modern Analytical Equipment for the Survey Statistician

**N. T. Longford**, De Montfort University, Leicester, UK

Methods are developed for two key problems in the analysis of large-scale surveys: dealing with incomplete data and making inferences about sparsely represented subdomains.

The methods are presented as developments of established approaches by attending to their deficiencies. Thus the change to more efficient methods can be gradual, sensitive to the management priorities in large research organisations and multidisciplinary teams and to other reasons for inertia. This book presents as respectable analytical and inferential challenges, opportunities to harness the computing power into service of high-quality socially relevant statistics.

2005. XV, 360 p. 45 illus. (Statistics for Social Science and Public Policy) Hardcover  
 ISBN 1-85233-760-5 ► € 59,95 | £ 46,00

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# COPSS Names Dennis Cook as 2005 Fisher Lecturer

**Karen Bandeen-Roche**, Secretary and Treasurer of the Committee of Presidents of Statistical Societies, profiles the 2005 Fisher Lecturer, IMS Fellow Dennis Cook.

The 2005 Fisher Lecturer is **R Dennis Cook**, Professor of Statistics at the University of Minnesota. The Fisher Lectureship, awarded annually by the Committee of Presidents of Statistical Societies (COPSS), honors a leading statistician who has contributed significantly to scientific investigation through the development and promotion of statistical methods. Speaking of Professor Cook, awarding committee chairperson Wayne Woodward (ASA) relates that the committee “found his body of work to be very impressive, in terms of scope, quality and impact on statistical practice. He has made major methodological contributions in regression analysis specifically in the areas of regression graphics and influence assessment.” Professor Cook’s lecture, on dimension reduction, will be delivered at the COPSS Awards Session to be held at 4 pm on August 10, 2005 at the Joint Statistical Meetings in Minneapolis.

Professor Cook received his PhD in Statistics from Kansas State University in 1971. He has resided on the faculty in the University of Minnesota School of Statistics

ever since, earning a full Professorial appointment in 1981; directing the Statistical Center from 1978-1980; and chairing the Department of Applied Statistics

from 1980-1990. In addition to his primary appointments, Cook has held multiple visiting positions both nationally and internationally, including professorships at the University of Southampton (UK), University of Wisconsin Mathematics Research Center, University of Texas at Austin, Nanjing Institute of Technology (People’s Republic of China), University of Witwatersrand (South Africa), University of Waikato (New Zealand), and most recently, The Pennsylvania State University. He has been a frequent Visiting Staff Member of the Los Alamos National Laboratories.

Professor Cook has published well over a hundred peer-reviewed articles as well as numerous discussion articles and several books—on regression analysis, graphics, and model checking. He reports that his interest in statistics awakened at age 16, when he began after-school and summer employment at the Assiniboine Experiment Station (Montana), which eventually encompassed the design, conduct, and statistical analysis of wheat growing experiments.

In the early years after earning his PhD, his work focused on population genetics as well as statistics. Gradually his emphasis became more singularly focused on statistics, to which he has made contributions in areas diversely ranging from regression diagnostics and graphics, to optimal experimental design, to nonlinear modeling, to the design and analysis of aerial surveys for snow geese, deer, wild horses and moose. His contributions have been seminal, including the introduction of the “Cook’s distance” measure of influence, that is widely regarded as a classic (*Technometrics* 19:15-18), its extension to likelihood-based



Dennis Cook

measures of “local influence”, and most recently advancing methodology for dimension reduction.

Professor Cook is a Fellow of ASA and IMS, and an Elected Member of the International Statistical Institute, as well as an ISI Highly Cited Researcher in Mathematics. He has held an Honorary Senior Research Fellowship with the University of Birmingham (England). His home institution has honored him as Scholar of the College (of Liberal Arts) and he was given the ASA award for excellence in continuing education. He is a three-time recipient of the Jack Youden Prize for Best Expository Paper in *Technometrics* (1983, 1989, 1993) as well as the Frank Wilcoxon Award for Best Technical Paper in *Technometrics* (1983).

The COPSS established the Fisher Lectureship in 1963 in honor of Sir Ronald Aylmer Fisher. The awarding of the lectureship to present-day recipients aims to recognize the importance of statistical methods for scientific investigation, be broadly-based, and emphasize aspects of statistics and probability that are closely related to scientific collection and interpretation of data.



R.A. Fisher

# AAAS News: Report from Annual Meeting

Juliet Shaffer is the IMS representative to the Statistics Section of the American Association for the Advancement of Science (AAAS). She reports from their Affiliates and Statistics Section meetings, which took place in February at the AAAS annual meeting.



## Affiliates Meeting

The Meeting opened with brief welcoming remarks from Shirley Jackson, the outgoing President of AAAS. The meeting then considered two issues: the introduction of the new AAAS Center for Advancing Capacity in Science & Engineering, and attacks on the teaching of evolution.

## Capacity Center

The Center for Advancing Capacity in Science and Engineering ("Capacity Center") was described by its Director, Daryl Chubin. It was established in August 2004 with a three-year, \$400,000 grant from the Sloan Foundation to develop and disseminate methods of increasing participation in science and technology by under-represented groups (women and under-represented minorities). The money is a seed grant; the Center must eventually raise its own money from other institutions and client schools, as a fee-for-service organization. The aim is to centralize resources for diversification in higher education. There is now no clear understanding of what activities are permitted in the affirmative action area, in light of both Federal and State laws and judicial decisions, especially the recent Supreme Court decisions on the Michigan University cases.

The Center will offer support in all areas related to diversification of both students and faculty in admissions, hiring and reten-

tion, including pre-college outreach, financial aid, and other types of support (e.g. mentoring). Higher education institutions would engage the help of the Center. Teams would visit these institutions, examine their situations, and propose programs for diversification, helping with the implementation of the programs if the institutions desired that. Involvement of 5–8 months at each institution is envisaged. In Spring and Fall 2005, small teams will visit six campuses to initiate this program.

A recent AAAS guidebook on Center topics is available at [www.aaas.org/standingourground](http://www.aaas.org/standingourground)

A fuller description of the Center and its proposed activities is available at [www.aaas.org/programs/centers/capacity](http://www.aaas.org/programs/centers/capacity)

## Attacks on Evolution Teaching

The bulk of the meeting dealt with issues around the teaching of evolution and the attacks on it, especially by proponents of "intelligent design theory" (ID):

briefly, the theory that the diversity and complexity of life couldn't have arisen as assumed in evolutionary theory but must be due to some intelligent force.

Introductory remarks were given by Alan Leshner, AAAS CEO; AAAS

activities related to teaching of evolution were described by Connie Bertka, Director of the Dialogue on Science, Ethics, and Religion; and a lively discussion among the participants in the meeting followed.

In 2002 the AAAS passed a resolution supporting the teaching of evolution and opposing the teaching of ID in science

classes, but since then the pressure to downgrade the teaching of evolution or to combine it with teaching intelligent design as an alternative has increased.

The attack on the teaching of evolution is the main manifestation of the increasing encroachment of religion and politics on the teaching of the content and use of science. More and more scientific issues are interfacing with the domain of values, such as the issues around cloning. Scientists must find ways of engaging with the public on these issues more effectively. It isn't enough to protest or to treat this as a matter of "educating" the public: these approaches don't work. The issue of values will not go away; it is necessary to move beyond protests and education and to engage in respectful dialogue with various public bodies.

The AAAS does not take a position on intelligent design, but stresses that it should

not be taught in science classes, as it is not a scientific theory, but rather an expression of religious values. The AAAS established the Dialogue on Science, Ethics, and Religion (DOSER) in 1995, to facilitate discussions with religious communities on various subjects, one of which

## ON ATTACKS ON EVOLUTION TEACHING:

**"All scientists must get involved. If only those directly involved in evolution issues speak out, they are dismissed as self-interested."**

– AAAS AFFILIATES MEETING

is evolution. Hard-core fundamentalists are unlikely to be amenable to changes in their positions, but the mainstream religious communities are open to discussions of these issues.

The following suggestions resulted from the presentations and discussions:

1. *All scientists must get involved. If only*

*those directly involved in evolution issues speak out, they are often dismissed as self-interested.*

2. *We must encourage those religious communities supporting evolution to speak out on the issue, as they may have more influence than the AAAS.*
3. *We must work on the state and local levels, especially to encourage and support moderates to run for state and local Boards of Education, a number of which now have majorities of fundamentalists.*
4. *We must support biology teachers who are often intimidated by harassment from discussing evolution in classes.*

For further information on the Dialogue on Science, Ethics, and Religion, go to [www.aaas.org/spp/dser](http://www.aaas.org/spp/dser). For the 2002 AAAS Board Resolution on Intelligent Design Theory, and information on State policies on this subject, go to [www.aaas.org/spp/dser/evolution/issues.shtml](http://www.aaas.org/spp/dser/evolution/issues.shtml).

### Statistics Section Meeting

Robert Kass, the current Chair of Section U, introduced the meeting. The major topics considered were the statistical review of articles in *Science* magazine and a short course for journalists.

Several years ago, after an initiative to improve statistical review of articles in *Science* magazine, the present Editor, Donald Kennedy, added a statistician to the reviewing editors. The first agenda item was to follow up on the present status of statistical reviews.

A conference call was held with Bill Cumberland, a biostatistician at UCLA, and the only statistician on the Board of Reviewing Editors of *Science*. The Board has 118 members; there is also a Senior Editorial Board of seven members, and a Book Review Board of six members. The members of these Boards are identified at [www.aaas.org/science/board\\_of.htm](http://www.aaas.org/science/board_of.htm). The Senior Board members decide to which reviewing editor each manuscript should be sent, and presumably send those that seem

to have or need statistical expertise to Dr Cumberland. He has been on the Board for about two years. All reviewing is carried out via the internet.

Initially, he was sent about 6 papers per week, which he found too heavy a load. He is current getting at most 3 per week, which he can manage. He must respond to each within 48 hours, advising as to whether it is sufficient in quality to get a detailed review, by rating each from 1-10 for quality (1 high) and from 1-5 for certainty about his rating (1 high). He is asked for comments, and asked to suggest two people for more detailed review. He doesn't get any feedback on the disposition of the papers. He pointed out that some are very difficult to review since the content varies widely, and many are outside his area of expertise.

Dr Cumberland felt it would help if there were another statistician on the Board, and if so, he thought the most helpful would be someone with expertise in genetics, an area outside his specialties in which he receives many submissions. The participants in the Section meeting discussed the possibility of other changes, e.g. having a first decision on the scientific merits of the submission so that only those of sufficiently high quality would be sent to a statistics reviewing editor, allowing more manuscripts to be reviewed statistically.

There was discussion of the possibility of having a checklist for the editors noting statistical material that should be included and common errors to be avoided. Rob Kass is planning to speak with the Deputy Editor of *Science*, and perhaps later with Don Kennedy.

Gilbert Omenn, the incoming President of the AAAS, dropped by. His brief comments turned out to be related to the second agenda item. He discussed the drop in the number of science majors in undergraduate education and the need to address that as well as the need to educate the public more effectively concerning the nature of science. Polls indicate that

the general public thinks of science as a collection of facts, known with certainty; they don't understand the issues of uncertainty, nature of evidence, or statistical significance. In connection with this topic, he pointed out that unfortunately, the National Association of Science Writers (NASW), which has been meeting concurrently with the AAAS, will no longer do so, but Dr Omenn hopes they will still cover the meeting, which has had extensive press coverage.

A visitor at the meeting, Kate Travis, the News Editor of the *Journal of the National Cancer Institute*, noted that the decision to meet with other groups instead of the AAAS was controversial, and that science writers are generally paid to attend only one meeting per year so the decision would undoubtedly affect the number of science writers at the AAAS meetings. She noted that science writers would like to have educational modules on statistical issues, or perhaps a short course at a workshop at AAAS or at a meeting of the NASW. There was a discussion of several previous courses for journalists, and a good course that the ASA has, and that might be used, perhaps modified, at a AAAS meeting. A web-based course was also suggested. Such a course should include important examples, perhaps life-and-death issues, to attract interest.

### Past IMS Bulletin Editors

**Leo Katz (1972-74)**

**Dorian Feldman (1975-80)**

**William C Guenther (1981-86)**

**George P H Styan (1987-92)**

**Susan R Wilson (1992-97)**

**Dipak K Dey (1998-2001)**

# IMS Elections 2005: Candidates' Information

## *Candidate for President-Elect: One Nomination*

### Jim Pitman

Professor, Dept  
of Statistics and  
Mathematics,  
University of  
California, Berkeley  
<http://www.stat.berkeley.edu/users/pitman/>



**Degrees:** BSc (Honors) 1970 Australian National University, Canberra; PhD 1974 Sheffield University, England.

**Research interests:** Brownian motion and related stochastic processes; random combinatorial structures; coalescence and fragmentation

#### **Previous IMS responsibilities/positions:**

Editor of *Annals of Probability*; IMS Committees: to Select Editors; Publications; Electronic Issues

#### **Supporting statement:**

The IMS has taken a leadership position among scholarly societies in promoting the emerging paradigm of open access to scholarly communication. All IMS journal content is now available in raw form with open access on arXiv, while the society sustains itself through memberships and subscriptions of individuals and libraries to the added value provided by print and electronic bundling of the content. IMS has helped create *Probability Surveys*, an open access electronic only journal in probability, and endorsed the idea of building an open access digital library in probability and statistics.

I intend to promote this development by creation of further electronic journals and online resources, to make professional quality expository and research materials in probability and statistics freely available for the use of students and researchers in all fields. I also plan to improve the quality of electronic infrastructure in probability and statistics by integrating, upgrading and extending services such as the Current Index of Statistics, the Probability Abstract Service, and the Probability Web. This should encourage the continued vitality and growth of ideas in probability and statistics, and the replenishment of human resources in these subjects, even while the attention of researchers shifts from the traditional core of these subjects towards new applications in disparate areas under rapid development, such as bioinformatics, machine learning, and mathematical finance.

## *Candidates for IMS Council: Ten Nominations (in alphabetical order)*

### Maury Bramson

Professor, School of Mathematics,  
University of Minnesota, Minneapolis

**Degrees:** PhD in Mathematics, 1977 (Cornell University); MS in Statistics, 1975 (Stanford University); BA in Mathematics, 1973 (U.C. Berkeley)

**Research interests:** Stochastic networks; interacting particle systems; branching processes

**Previous IMS responsibilities/positions:** Associate program secretary for probability ('02-'05); Associate editor *AAP* ('03-'05)

#### **Supporting statement:**

The IMS is the main organization in the U.S. devoted to mathematical statistics and probability. Its main activities include the publication of several of the major journals in these areas and the organization of conferences. I agree with the current general direction of the IMS and have no major initiatives to propose. I would continue to increase the level of cooperation with international groups for the staging of conferences and selection of speakers.



### Krzysztof Burdzy

Professor of Mathematics, Adjunct Professor  
of Statistics, Department of Mathematics,  
University of Washington

<http://www.math.washington.edu/~burdzy>

**Degrees:** MA in mathematics (1979) Maria Curie-Skłodowska Univ., Lublin, Poland; MA in statistics (1981) University of California, Berkeley; PhD in statistics (1984) University of California, Berkeley

**Research interests:** Probability (Brownian motion); Mathematical analysis (potential theory)

**Previous IMS responsibilities/positions:** 1995-1999, Editor (with R. Carmona and G. Lawler) of *Electronic Journal of Probability* and *Electronic Communications in Probability* (journals affiliated with the IMS); 1997-1999, member of the Publications Committee of IMS (chair in 1999); 1997-1999, Associate Program Secretary for Probability and Its Applications of IMS; 1999-2001, representative of the IMS with the American Statistical Association Task Force on Electronic Publications; 2000-2004, member of the IMS Electronic Issues Committee; 2000-2002, IMS representative with project Euclid; 2003-present, associate editor of *Annals of Probability*



**Supporting statement:**

I have been involved in publication issues (especially electronic publication issues) for many years. Some very exciting changes have occurred recently in this area at the IMS. I would do my best to help steer the IMS publications in the right direction during the transition period.

My research area is probability. I would try to promote interests of the probability community within the IMS, a primarily statistical association.

**Merlise Clyde**

Associate Professor, Institute of Statistics and Decision Sciences, Duke University  
<http://fds.duke.edu/db/aas/ISDS/faculty/clyde>

**Degrees:** BSc (1985) Oregon State University; MS (1986) University of Alberta; MS (1988) University of California, Riverside; PhD (1993) University of Minnesota

**Research Interests:** Bayesian inference, model choice (model selection and model combining), nonparametric regression, proteomics and environmental applications

**Previous IMS responsibilities/positions:** New Researchers Committee (1996-1998), Program Chair, Institute of Mathematical Statistics Spring 2001 meeting (joint with ENAR)

**Supporting Statement:**

As a statistician, I find motivation for methodology from problems that arise in various scientific disciplines. It is important for the field of statistics to be a leader in developing approaches for emerging problems, and not be left behind. IMS can play a pivotal role through the organization of small focused meetings between statisticians and scientists, and by timely electronic publications (journals, preprints, monographs, etc). I would also like to see IMS address educational issues, such as increasing the number of undergraduates pursuing advanced statistical training.

**Sandrine Dudoit**

Assistant Professor, Division of Biostatistics, School of Public Health, University of California, Berkeley  
[www.stat.berkeley.edu/~sandrine](http://www.stat.berkeley.edu/~sandrine)

**Degrees:** BSc in Mathematics, 1992, Carleton University, Ottawa, Canada; MSc in Mathematics, 1994, Carleton University, Ottawa, Canada; PhD in Statistics, 1999, University of California, Berkeley.

**Research interests:** Methodological research interests; Loss-based estimation with cross-validation, multiple hypothesis testing, statis-

tical computing. Applied research interests: DNA microarray data analysis, biological sequence analysis, genetic mapping, biological metadata analysis.

**Previous IMS responsibilities/positions:** N/A

**Supporting statement:**

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

- (i) Electronic publishing. In rapidly evolving and increasingly interdisciplinary research and teaching environments, it is essential for statisticians to have timely and seamless access to research findings in a wide range of disciplines. I would support electronic publishing as a vehicle for the immediate, broad, and economical dissemination and mining of research findings.
- (ii) Bridging the gap between methodological and applied research. Statistical methods have become an integral part of data analysis in fields as diverse as astronomy, genomics, and market research. There are, however, a number of hurdles between the development of statistical methodology and its positive and timely impact on subject matter. In order to facilitate the dissemination and application of statistical methods, I would support efforts (e.g., courses, conferences, publications, projects) that seek to bridge the gap between methodological and applied aspects of statistical research. I would also promote interdisciplinary research by developing connections between the IMS and professional organizations from other disciplines.
- (iii) International participation. I would support increased participation of and collaboration with statisticians worldwide, through contacts with professional organizations from other countries, international workshops, and electronic publishing.

**John H J Einmahl**

Professor, Dept of Econometrics & OR, Tilburg University  
<http://center.uvt.nl/staff/einmahl/>

**Degrees:** PhD (1986) Nijmegen University

**Research interests:** Nonparametric statistics and probability theory, including statistics of extremes, empirical likelihood, empirical and quantiles processes, generalized quantiles, nonparametric regression, nonparametric multivariate statistics

**Previous IMS responsibilities/positions:** Associate Editor *Annals of Statistics* (2001-2003), Associate Editor *Annals of Probability* (1999-2002), IMS Fellow

**Supporting statement:**

The IMS is indispensable as a worldwide institution for fostering and disseminating research in statistics and probability. As a council

Continued on **Page 12**

# IMS Elections 2005: Candidates continued...

member, I want to contribute to the leading role the IMS plays in publishing journals and organizing scientific meetings. In particular, I want to keep the journals at the present excellent level not only by setting high standards but also by using all the electronic possibilities for making the whole publishing process as smooth, fast and accessible as possible. I will also focus on creating opportunities for the next generations of statisticians and probabilists.

## Jean-Francois Le Gall

Professor, Department of Mathematics and Applications, ENS Paris

**Degrees:** PhD (1982), DSc (1987), University Paris 6

**Research interests:** Brownian motion, branching processes, random trees, super-processes, connections with partial differential equations, coalescent processes

**Previous IMS responsibilities/positions:** none

### Supporting statement:

The IMS has a leading role in promoting scientific activities both in applied statistical fields and in theoretical research areas. It is particularly successful in publishing outstanding journals at a low cost. If elected, I will be happy to help maintaining the high standards of the institution.



## Jun Liu

Professor, Department of Statistics, Harvard University

<http://www.fas.harvard.edu/~junliu>

**Degrees:** PhD, 1991, University of Chicago (Statistics); BS, 1985, Peking University (Mathematics)

**Research interests:** Bayesian methods; Bioinformatics; Markov chain Monte Carlo; Sequential Monte Carlo and particle filters; Clustering and classification; Nonlinear dynamic systems; Gene regulation; Protein structure and sequence analysis

**Previous IMS responsibilities/positions:** Associate Editor (*Ann Statist.*, 2004–present); Fellow of IMS (2004); Lifetime member of IMS; Organizer of meetings sponsored by IMS.

### Supporting statement:

I want to serve on the IMS council for three reasons: (a) the IMS has always been my institute—it is my academic home and has provided an unmatched intellectual environment for my career development; (b) I believe that mathematical statistics will play



an increasingly great role in the advance of modern sciences and I want to serve on the council to promote the IMS's influence on various scientific fields; (c) I want to work with other IMS members to explore ways to enhance the impact of the IMS's journals.

## Daniel Peña

Professor, Statistics Department, Universidad Carlos III de Madrid  
[http://halweb.uc3m.es/daniel\\_pena](http://halweb.uc3m.es/daniel_pena)

**Degrees:** PhD (1976) Universidad Politecnica de Madrid 8

**Research interests:** Time Series; Bayesian Statistics; Robustness; Multivariate Analyses; Diagnostics

**Previous IMS responsibilities/positions:** Fellow

### Supporting statement:

In addition to contribute to the excellent IMS activities in publications and organizing meetings, I would like to contribute to make IMS the main statistical society providing open access through the web to statistical resources for research and teaching through the World. IMS can have a key role in improving the level of statistics and probability in underdeveloped countries by taking advantage of the web to make available high quality resources for teaching statistics and probability and sponsoring workshops to stimulate research in these countries.



## Michael Sørensen

Professor, Department of Applied Mathematics and Statistics, University of Copenhagen

<http://www.math.ku.dk/~michael/>

**Degrees:** MSc, 1982, University of Aarhus; PhD, 1986, University of Aarhus

**Research interests:** statistical inference for stochastic processes, stochastic differential equations, estimating functions, financial econometrics, statistical problems in the earth sciences

**Previous IMS responsibilities/positions:** None

### Supporting statement:

I have for a long time served the Bernoulli Society in various capacities. In recent years I have played a central role in the European Regional Committee, first as Chair and now as Conference Coordinator. I would be happy to continue and extend my work to promote international exchange and collaboration in our discipline as a member of the IMS Council. I would support increased collaboration between IMS and the Bernoulli Society.



## Cun-Hui Zhang

Professor of Statistics, Rutgers University,  
USA

**Degrees:** PhD (1984) Columbia University

**Research interests:** Empirical Bayes;  
Incomplete and biased data; Nonparametric  
and semi-parametric regression; Probability  
theory

**Previous IMS responsibilities/positions:** Fellow; Associate Editor,  
*Annals of Statistics*

**Supporting statement:** The IMS has served our community well by  
maintaining high quality of its publications and meetings. If elected  
as a member of the IMS council, I will support electronic dissemi-  
nation of IMS publications and increased activities to reach young  
researchers. I will also support cooperation with other professional  
organizations in statistics and related disciplines.

So you've read all the candidates' information,  
vote now at <https://www.imstat.org/secure/vote/>



### Current IMS Council Members 2004-05

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Ling Wang, Richard Gill, Hans Künsch, Christian Robert,  
Ruth Williams, Erwin Bolthausen, Tom DiCiccio, Nancy  
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Technology and Medicine, UK

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# IMS Meetings around the world

## Minneapolis: Joint Statistical Meetings 2005

IMS Co-sponsored Meeting:

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

**August 7–11, 2005**

**Minneapolis Convention Center, Minneapolis, MN**

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

### Program

The preliminary technical program is now available online at <http://www.amstat.org/meetings/jsm/2005/onlineprogram/>

### Registration

Registration and hotel bookings will be available at the JSM website from May 2. For IMS members registration will cost \$250 (\$365 for non-members of IMS, ASA, SSC or WNAR/ENAR) until the 'Early Bird' deadline, June 30, thereafter \$280 (or \$395 for non-members). Register early to save money!

### IMS SESSIONS:

IMS Invited Program Chair:

David Madigan [dmadigan@rci.rutgers.edu](mailto:dmadigan@rci.rutgers.edu)

### Wald Lectures:

**Srinivasa Varadhan** (Courant Institute, New York University): *Large Deviations in Different Contexts* [above right]

### Neyman Lecture:

**David Brillinger** (University of California at Berkeley): *Dynamic Indeterminism in Science* [below right]

### IMS Medallion lecturers:

**Andrew Barron** (Yale University)

**Oleg Lepski** (Université de Provence)

**Art Owen** (Stanford University)

**Adrian Raftery** (University of Washington)



**Key Dates** from [www.amstat.org/meetings](http://www.amstat.org/meetings)

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



*Did you know?*

There are  
**22** lakes in  
Minneapolis's  
**170** parks!

**IMS in Minneapolis**

**Join us at JSM!**

**August 7–11, 2005**

The Institute of Mathematical Statistics invites you to join us at the Joint Statistical Meetings in Minneapolis, Minnesota, from August 7–11, 2005.

IMS events include the IMS Presidential Address and Reception, the presentation of the Carver and Laha awards, and a New Member social.

IMS is sponsoring two meetings at the University of Minnesota: just before JSM, the 'New Researchers' Conference (August 2–6) <http://pages.pomona.edu/~jph04747/NRC/NRC.htm> and New Directions in Probability Theory (August 5–6) [www.imstat.org/meetings/NCDPT05](http://www.imstat.org/meetings/NCDPT05). Apply now!

**Students and New Researchers:**

Join IMS (it's free for students) and apply for an IMS Laha Travel Award for travel to JSM (deadline February 1, 2005): [www.imstat.org/awards/laha.htm](http://www.imstat.org/awards/laha.htm)

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

IMS Rep: Raya Feldman.

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

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

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

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

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

Online registration is now open; please notice fee increases after May 10, 2005. Early registration is highly advisable because summer is a tourist season in Santa Barbara and hotels get full quickly.



IMS co-sponsored meeting:  
**Workshop on Stochastic Models in System and Molecular Biology**  
**June 26, 2005**  
**UC Santa Barbara**  
<http://www.pstat.ucsb.edu/projects/smmsb/>  
 IMS Representative: Guillaume Bonnet, UCSB, [bonnet@pstat.ucsb.edu](mailto:bonnet@pstat.ucsb.edu)

This is a satellite meeting of *Stochastic Processes and their Applications* (see above and poster, left).

Phenomena such as molecular transport, gene regulation and cellular behavior require very sophisticated models to understand their functions, and the role of mathematicians in this domain is crucial to the analysis of these models.

The goal of the workshop is to bring together probabilists interested in biological applications and experts in interdisciplinary research in stochastic modeling for molecular biology problems.

Registration is free, but you must register at the meeting website above.

**Speakers:**

**John Fricks** (UNC, Mathematics and Penn State Statistics);  
**Rudiyanto Gunawan** (UCSB, Chemical Engineering); **Johan Paulsson** (Cambridge, UK Computational Biology); **Linda Petzold** (UCSB, Computer Science); **Fengzhu Sun** (USC, Mathematics and Molecular and Computational Biology).

# New Directions in Probability Theory 2005

IMS co-sponsored meeting

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

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

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

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

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

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

## One-Hour Lectures:

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

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

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

## Program & Local Organizer:

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

## Program:

### Flows and Random Media

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

Speakers:

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

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

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

### Probability, Combinatorics, and Statistical Mechanics

Organizer: **Russell Lyons**, Indiana University

Speakers:

**Richard Kenyon**, University of British Columbia: *Simple random surfaces in  $\mathbb{Z}^3$*

**Antal Jaraí**, Carleton University: *Infinite volume limit of the Abelian sandpile model on  $\mathbb{Z}^d$*

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

### Stochastic Integration

Organizer: **Terry Lyons**, Oxford University

Speakers:

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

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

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

### Stochastic Partial Differential Equations

Organizer: **Jonathan Mattingly**, Duke University

Speakers:

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

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

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

### Random Walk in Random Environment

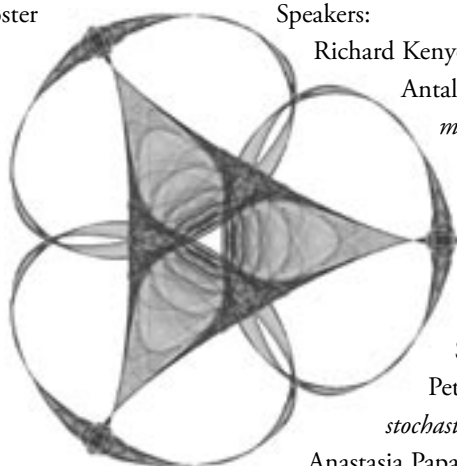
Organizer: **Ofer Zeitouni**, University of Minnesota

Speakers:

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

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

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



Now IMS co-sponsored:

### The Fifth International Workshop on Objective Bayesian Methodology

June 4-8, 2005

Branson, Missouri, USA

<http://www.stat.missouri.edu/~bayes/Obayes5/>

The Fifth International Workshop on Objective Bayes Methodology ("OBayes5") is co-sponsored with IMS and ISBA.

The principal objectives of OBayes5 are to facilitate the exchange of recent research developments in objective Bayes methodology, to provide opportunities for new researchers to shine, and to establish new collaborations and partnerships that will channel efforts into pending problems and open new directions for further study. OBayes5 will also serve to further crystallize objective Bayes methodology as an established area for statistical research.

We are pleased to have the following distinguished speakers:

Susie J Bayarri; James O Berger; Jose M Bernardo; Don Berry; Larry Brown; Ronald Christensen; Merlise Clyde; Peter Hoff; Edward George; Jayante K Ghosh; Malay Ghosh; Valen E Johnson; Wesley O Johnson; Feng Liang; Brunero Liseo; Peter Mueller; Robert E McCulloch; Glen Meeden; Judith Rousseau; Rui Paulo; Richard Smith; Paul L Speckman; Keying Ye; Linda Zhao.

### Travel support

Funding is available to support the travel expenses of some young participants (beginning assistant professors, post-doctoral researchers, and graduate students).

To apply for a travel award, please submit: a one page CV, a nomination letter from a major professor or mentor, and an abstract of a poster to be presented at the workshop to Dongchu Sun at [sund@missouri.edu](mailto:sund@missouri.edu) before **April 15, 2005**

Now IMS co-sponsored:

### 13th INFORMS Applied Probability Conference

July 6-8, 2005

The Westin, Ottawa, Canada

<http://appliedprob.society.informs.org/ottawacnf.html> . Contact conference Co-chair Doug Down [downd@univmail.cis.mcmaster.ca](mailto:downd@univmail.cis.mcmaster.ca)

Our three plenary speakers, and their tentative talk titles, are:

**David Aldous** (University of California at Berkeley): *Flows through Random Networks*

**Onno Boxma** (Eindhoven University of Technology): *Processor sharing*

**Darrell Duffie** (Stanford University): *Estimating Term Structures of Actual and Risk-neutral Default Probabilities*



IMS Co-sponsored Meeting:

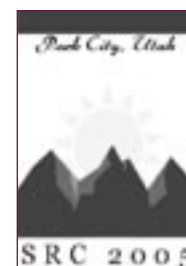
### Twelfth Annual Spring Research Conference on Statistics in Industry and Technology

June 1-3, 2005: Park City, Utah

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

The theme of SRC 2005 is "Statistics: A Diverse Field for a Diverse World."

Contact Shane Reese, Brigham Young Univ: [reese@stat.byu.edu](mailto:reese@stat.byu.edu)



IMS co-sponsored meeting:

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

March 14-17, 2006

Goethe-University Frankfurt/Main, Germany

[http://stoch2006.math.uni-frankfurt.de/index\\_en.html](http://stoch2006.math.uni-frankfurt.de/index_en.html)

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

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

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

IMS co-sponsored meeting:

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

June 20-24, 2005

Hong Kong

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

email: [fang65@math.hkbu.edu.hk](mailto:fang65@math.hkbu.edu.hk)

Plenary speakers: Peter Bentler; Ching-Shui Cheng; A Philip Dawid; Jianqing Fan; Peter Hall; Fred J Hickernell; Dennis K J Lin; Xiao-Li Meng; Rahul Mukerjee; Harald Niederreiter; Ingram Olkin; Dietrich von Rosen; Ming Tan; Henry P Wynn; Grace L Yang

# More IMS Meetings around the world

## IMS Co-sponsored Meeting:

### 2005 WNAR/IMS Western Regional Meeting

Fairbanks, Alaska

June 21–24, 2005

[SEE POSTER, RIGHT]

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

Organizer: Christiana Drake, [drake@wald.ucdavis.edu](mailto:drake@wald.ucdavis.edu)

IMS Program Chair: Thomas Lee

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

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

Contact Gilbert Fellingham [gwf@byu.edu](mailto:gwf@byu.edu), phone 801-422-2806

**UPDATED**

IMS Medallion Lecture: Christian Robert

## IMS Invited Sessions:

*Inference for Spatial Processes*

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

*Model Selection in a GIS World*

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

*Machine Learning*

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

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

*Causal Inference*

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

## IMS Co-sponsored Meeting:

### 2006 WNAR/IMS Western Regional Meeting

Flagstaff, AZ

June 2006

IMS Program Chair: TBA.

## IMS Co-sponsored meeting:

### Workshop on Stochastic Methods in Game Theory

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

IMS Rep is Marco Scarsini

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

## IMS Sponsored meeting:

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

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

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



## IMS Co-sponsored Meetings:

### 2006 ENAR/IMS Spring Meeting

March 19–22, 2006

Hyatt Regency, New Orleans, LA

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

IMS co-program chairs: Michael Kosorok and Jason Fine, U Wisconsin-Madison

### 2007 ENAR/IMS Spring Meeting

April 15–18, 2007

Fountainebleau Hilton Resort Miami, FL

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

**UPDATED**

*These meetings are also  
listed on the 'Meetings' page  
of the IMS website, at*

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

Where can you...

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



# WNAR/IMS 2005

June 21-24, 2005 Fairbanks, Alaska

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

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

#### Short Course

*Bayesian Clinical Trials*, Scott Berry

#### Sample of Invited Sessions

*Time-varying treatment effects in  
clinical trials*

*Modeling air pollution exposure  
and response*

*Functional data analysis*

*Computational biology*

*Inference for spatial/non-stationary  
processes*

*Machine learning*

#### Activities for New Researchers

Student paper competition

New researchers' luncheon

New researchers' session on spatial  
statistics

#### Traveling to Fairbanks

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

Discount fares on Alaska Airlines for  
conference participants

Some student travel awards are  
available

#### Other attractions

Banquet on a stern-wheel riverboat

Textbook publishers' booths

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

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



For more information, see the  
WNAR/IMS 2005 conference website  
at [www.uaf.edu/wnar/](http://www.uaf.edu/wnar/)

Join WNAR at [www.wnar.org](http://www.wnar.org)  
and IMS at [www.imstat.org](http://www.imstat.org)

## IMS Sponsored meeting:

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

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

*Invited Keynote Speakers:*

Grace Wahba University of Wisconsin, Madison

Sandy Weisberg University of Minnesota, Minneapolis

Rick Cleary Bentley College

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

Louis Chen President of the IMS, National University of Singapore

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



## IMS Co-sponsored Meeting:

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

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

The invited program covers a wide range of topics in statistics and probability, presenting recent and state-of-the-art developments in modern methodology research and applications such as nonparametric statistics, machine learning, finance, bioinformatics, environmental statistics, and information technology. Moreover, a half day sightseeing to the Great Wall during the meeting is planned and an after-meeting program and an accompanying persons program during the meeting are also being planned. Details at the website above.

**Probability Speakers:**

**J Theodore Cox**, Syracuse University, USA: *Measure-valued Limits of Interacting Particle Systems*; **Zhiming Ma**, Chinese Academy of Sciences, PRC: *Configuration Spaces, Geometric Graphs, and Stochastic Processes on Totally Disconnected Spaces*; **Shige Peng**, Shandong University, PRC: *Nonlinear Expectations, Risk Measures with Singular Coefficients*; **Fengyu Wang**, Beijing Normal University, PRC: *Functional inequalities and applications*

**Statistics Speakers:**

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

We look forward to meeting you in Beijing!

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

## IMS co-sponsored meeting:

**Nonparametric Models for Complex Biological Data****August 15–17, 2005****Davis, CA, USA****NEW**

IMS Reps: Jianqing Fan, Hans-George Mueller and Chunming Zhan

<http://anson.ucdavis.edu/~mueller/frg/index3.htm>

The meeting will focus on developments of advanced nonparametric and semiparametric methods for complex biological data. These include high-dimensional data as in genomics and microarrays and associated problems of normalization, large  $n$  small  $p$  situations and dimension reduction, image data such as fMRI brain images, and functional data. Functional data arise in longitudinal studies, samples of growth curves, trajectories of reproduction, time-dynamic microarray expression trajectories, and other complex time-varying responses of biological systems.

The complexity of such biological data requires new nonparametric/semiparametric approaches that are flexible, scale up to large data and enable a synthesis between different approaches, such as functional and longitudinal methodologies. The meeting will focus on current developments and avenues of future research in nonparametric modeling, data-analytic methods and theory for these challenges.



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# LECTURE NOTES – MONOGRAPH SERIES



LNMS Volume 47:

## **Recent Developments in Multiple Comparison Procedures**

*Yoav Benjamini, Frank Bretz and Sanat Sarkar, Editors*

This volume is based on the NSF-CBMS Conference in Mathematical Sciences *New Horizons in Multiple Comparison Procedures* held in August 2001 at Temple University, Philadelphia, with Yosef Hochberg as the key speaker.

The conference was organized in response to the sudden upsurge of research that has taken place in the area of multiple comparisons. A number of newer ideas have emerged from the recent research activities that could generate a steady stream of new research.

This volume is a collection of 11 papers, covering a broad range of topics in Multiple Comparisons, which were invited for the conference. The goal of this volume is to gain deeper understanding of these ideas and to promote further research activities in this area.

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Tel: (301) 634-7029 Fax: (301) 634-7099 Email: [staff@imstat.org](mailto:staff@imstat.org)

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

## 9th International Vilnius Conference on Probability Theory and Mathematical Statistics

Vilnius, Lithuania

June 25–30, 2006

**NEW**

<http://www.science.mii.lt/vilconf9/>

This conference will be held in Vilnius, Lithuania, from 25–30 June 2006, under the auspices of the International Statistical Institute. For more information, please contact Aleksandras Plikusas <conf@ktl.mii.lt> at the Institute of Mathematics and Informatics, Akademijos str 4, 08663, Vilnius, Lithuania, or visit the conference website above.

## 26th European Meeting of Statisticians

July 24–28, 2006

Toruń, Poland

**NEW**

<http://www.ems2006.umk.pl>

This conference will be held in Toruń, Poland. This is the first announcement.

**Main Lectures:** the Opening lecture will be given by Gareth Roberts (UK), the Forum lectures by Søren Johansen (Denmark), and the Closing lecture by Friedrich Götze (Germany).

**Special Invited Speakers:** Chris Glasbey, Marie Huskova, Thomas Mikosch, and Donatas Surgailis

The chairperson of the Scientific Program Committee is Herold Dehling (Ruhr-Universität Bochum). Adam Jakubowski (Nicolaus Copernicus University, Toruń) is the chair of the Local Organising Committee.

The town of Toruń, located over the biggest river of Poland, the Vistula, is famous for being the place where Nicolaus Copernicus was born in 1473. The old town of Toruń is an example of a small historic trading city that preserves to a remarkable extent its original street pattern and outstanding early buildings, and which provides an exceptionally complete picture of the medieval way of life. For more information on Toruń, please visit [www.torun.pl](http://www.torun.pl)

Nicolaus Copernicus University is the main organising institution of the conference. It was founded in 1945 by a group of professors who had left Vilnius. The university serves more than 40,000 students and its campus offers perfect conditions for the conference. Visit [www.uni.torun.pl/en](http://www.uni.torun.pl/en) to learn more about the university.

Conference news will be published on the website above. The contact email is [ems2006@umk.pl](mailto:ems2006@umk.pl)

## Prague Stochastics 2006

Prague, Czech Republic

21–25 August 2006

**NEW**

<http://www.utia.cas.cz/pragstoch06>

This conference will be held in Prague, Czech Republic, 21–25 August 2006, as a joint session of the 7th Prague Symposium on Asymptotic Statistics and the 15th Prague Conference on Information Theory, Statistical Decision Functions and Random Processes. It is the latest in a series of international conferences on stochastics organized in Prague since 1956, and will be held under the auspices of the Bernoulli Society for Mathematical Statistics and Probability.

The meeting will be organized by the Department of Probability and Mathematical Statistics, Faculty of Mathematics and Physics at Charles University and the Department of Stochastic Informatics, Institute of Information and Automation at the Academy of Sciences of the Czech Republic.

The scientific programme will cover a wide range of stochastics, with special emphasis on the topics of this lively field which have been pursued in Prague.

Contact Information:

*Zuzana Prášková*

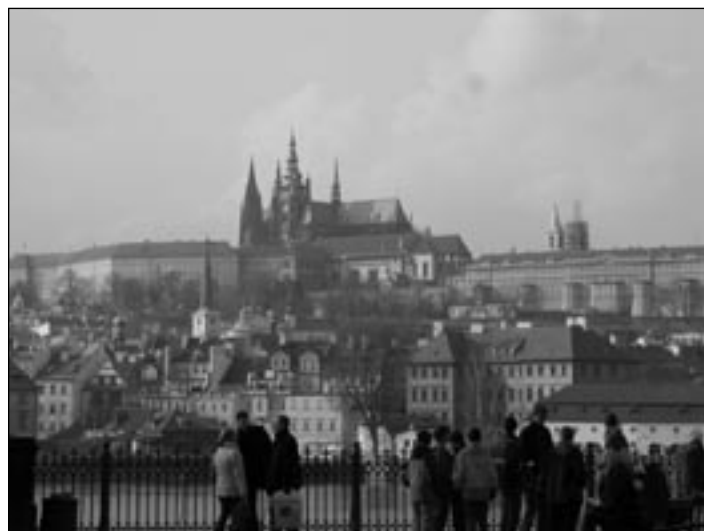
*Dept. of Statistics,*

*Charles University,*

*Sokolovská 83, 186 75*

*Prague, Czech Republic*

e-mail: [praskova@karlin.mff.cuni.cz](mailto:praskova@karlin.mff.cuni.cz)



Prague Castle, seen from the banks of the Vltava river

# Employment Opportunities around the world

## Directory of Advertisements

### Australia

University of South Australia, Adelaide

### Hong Kong

Chinese University of Hong Kong, Shatin

### Switzerland

University of Geneva

University of Zürich

### USA:

**Alabama:** University of Alabama at

Birmingham

**Arizona:** Toyota Financial Services

**Georgia:** Georgia Tech, Atlanta

**New Jersey:** Rutgers University, Piscataway

### Australia: Adelaide

**Professor/Associate Professor**

**School of Mathematics and Statistics**

**University of South Australia**



University of South Australia

The School of Mathematics and Statistics is responsible for teaching, research and consulting in the disciplines of Mathematics and Statistics within the University of South Australia. The School is seeking an outstanding Statistician who can lead both the research and educational programs in modern Statistics. An excellent opportunity also exists to lead and broaden the scope of the School's Statistical consulting and research through the Statistical Consulting and Research Service.

Salary Range: A\$83,620 to A\$107,713

Total Remuneration Package approximately: Associate Professor - A\$98,000 to A\$108,000 pa; Professor - A\$126,000 pa

For further information please refer to: <http://www.unisa.edu.au/maths/Positions%20Vacant/default.asp>

### Hong Kong: Shatin



## THE CHINESE UNIVERSITY OF HONG KONG

Applications are invited for:-

**Department of Statistics**

**Instructor(s) / Assistant Professor(s) / Associate Professor(s) / Professor(s)**

(Ref. 05/049(408)/2)

Applicants should have (i) a PhD degree; and (ii) strong research and teaching records/potential in statistics or closely related areas. Applicants with exceptionally strong credentials may be considered for appointment at a higher level than Assistant Professor. The appointee(s) will (a) teach undergraduate and postgraduate courses in the areas of statistics and risk management; (b) conduct high quality research as appropriate; and (c) assist in the administration of the Department. Appointment(s) will commence in autumn 2005. Applications will be accepted until the position(s) is/are filled. [Note: Those who have responded to the previous advertisement for Instructor/Assistant Professor (under Ref. no. 04/159/2) are under consideration and need not re-apply on this occasion.]

### Salary and Fringe Benefits

Salary will be highly competitive, commensurate with qualifications and experience. The University offers a comprehensive fringe benefit package, including medical care; and for the various levels of Professorship, housing benefits for eligible appointees.

Further information about the University and the general terms of service for teaching appointees is available at <http://www.cuhk.edu.hk/personnel>. The terms mentioned herein are for reference only and are subject to revision by the University.

### Application Procedure

Please send full resume, copies of academic credentials, a publication list and/or abstracts of selected published papers, together with names, addresses and fax numbers/e-mail addresses of three referees to whom applicants' consent has been given for their providing references (unless otherwise specified), to the Personnel Office, The Chinese University of Hong Kong, Shatin, New Territories, Hong Kong (Fax: (852) 2603 6852). The Personal Information Collection Statement will be provided upon request. Please quote the reference number and mark 'Application - Confidential' on cover.

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[erg@imstat.org](mailto:erg@imstat.org)

**Switzerland: Geneva****Department of Econometrics, University of Geneva**

<http://www.unige.ch/ses/metri/>

Applications are invited for a Professor of Statistics.

We are seeking candidates with an internationally recognized research record in statistics and its applications (in particular in any area of business) and proven ability to direct research of high quality.

Willingness to teach at all university levels and to collaborate with colleagues is expected. The teaching will include a basic undergraduate course and graduate courses in statistics.

Deadline for applications: May 13, 2005. Start of the appointment: October 1, 2005 (or to be discussed). Complete position's description and requirements at: <http://www.unige.ch/ses/metri/offreemploi.htm>

Send applications to:

*Secretariat Decanat*

*Faculte des SES*

*Uni Mail, Blv. Pont d'Arve 40*

*CH-1211 Geneve 4*

*Switzerland*

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**Switzerland: Zurich**

# University of Zurich

The University of Zurich, Faculty of Medicine invites applications for the post of

## Professor in Biostatistics

starting on September 1, 2006. The position can also be filled as an assistant professorship with tenure track. The appointee will be responsible for education and research in the field of biostatistics.

We are seeking an integrative and dynamic personality with mathematical training and internationally recognized research activities. Didactic skills and experience in teaching are essential. The future professor is expected to collaborate with the different experts in the clinics and research institutes of the University Hospital. Readiness to assume management tasks, and to develop links with the Faculty of Mathematics and other disciplines, would be welcomed.

Written applications (in duplicate) for this post should be addressed to the University of Zurich Faculty of Medicine, Berufungskoordination, Zürichbergstrasse 14, CH-8091 Zurich no later than June 1, 2005. For informal enquiries please contact the chairman of the search committee, Prof. Dr. Johann Steurer, Horten Centre, Rämistrasse 100, CH-8091 Zurich (phone +41-1-255 31 98).

The application must include the particulars listed in the "Instructions for Submitting Applications". The guidelines are available from the Dean's Office of the Faculty of Medicine (Fax +41-1-634 10 79) or at <http://www.med.unizh.ch/FormulareundRichtlinien/Bewerbung.html>

## USA: Alabama

**Section on Statistical Genetics****FACULTY POSITIONS IN STATISTICAL GENETICS/STATISTICAL GENOMICS**

The Department of Biostatistics invites applications for tenured, tenure-track and research-track positions in Statistical Genetics/Statistical Genomics. The position(s) are at an open level (instructor, asst, assoc, or full) depending on the qualifications of the candidate. Faculty will be expected and given the opportunity to develop their own independent line of research. In addition, substantial opportunities to collaborate and publish with other established investigators will be offered. This is an excellent opportunity to expand one's career into one of the most rapidly progressing and in-demand areas of scientific research. Candidates will ideally have a background in statistical genetics, but must have a doctoral degree and either (a) a very strong background in the quantitative sciences (e.g., a Ph.D. in statistics, biostatistics, computer science, psychometrics, mathematics) and a willingness to learn to apply these techniques to genetic research; or (b) a very strong background in genetics (e.g., a Ph.D. in genetics) and *very strong and demonstrated* quantitative skills. Proven ability to conduct innovative research is required. A successful track record of grant-funding is highly desirable, but not required. A successful track record of publication and collaboration as part of a research team is essential. We are seeking bright, energetic, hard-working people who enjoy and excel at working as team players with inter-disciplinary colleagues. For tenured and tenure-track positions, graduate level teaching (1 to 2 courses per year) is required.

For more information about our group, see: <http://www.ssg.uab.edu>

Applications will be accepted until the positions are filled. Applications, supported by full curriculum vitae and the names of three referees, should be sent to:

David B. Allison, Ph.D., Chair, Search Committee  
Professor & Head, Section on Statistical Genetics  
Department of Biostatistics  
Ryals Public Health Bldg 327  
1665 University Blvd  
University of Alabama at Birmingham  
Birmingham, AL 35294-0022  
Phone: (205) 975-9169  
Fax: (205) 975-2540  
Email: [Dallison@UAB.edu](mailto:Dallison@UAB.edu)

The University of Alabama at Birmingham is an equal opportunity, affirmative action employer. In its commitment to diversity, the University seeks applications from women, minorities, and persons with disabilities. UAB welcomes all persons without regard to sexual orientation.

**USA: Arizona****Toyota Financial Services: two positions**

Welcome to excitement and opportunity. Welcome to Toyota Financial Services (TFS). We are currently seeking professionals with your expertise! If you're a motivated individual, then TFS is the destination you've been looking for.



Since 1983, TFS has grown from a small company of eight associates to more than 2800, with nearly \$50 billion in managed assets, serving 2.3 million customers under the Toyota Financial Services and Lexus Financial Services market brands. At TFS, tomorrow means rising to the challenges of a changing marketplace by promoting a high-performance culture that will allow us to develop better solutions, programs, and services for both existing and new customers. Our commitment to delivering extraordinary customer care creates the trust and loyalty that drives our business.

As the **Senior Forecasting Analyst**, you will create impact by supporting TMCC profit growth objectives by delivering accurate and timely portfolio loss and delinquency forecasts.

**Qualifications**

TFS is looking for individuals with strong business sense and practical expertise. Successful candidates must have the following qualifications:

- \* 6+ years experience in the financial services industry, with demonstrated skills in a quantitative role such as market research, risk management or forecasting.
- \* Hands-on experience with risk management tools (e.g. Adaptive Control, Capstone, TRIAD)
- \* Hands-on experience with analytical tools and software (e.g. SAS, KnowledgeSeeker).
- \* Minimum of a Master's degree in a quantitative discipline such as economics, finance, engineering, mathematics, or statistics. A doctorate is strongly preferred.
- \* Expertise in financial and statistical analytical packages such as SAS.

For a full description and to apply for this position, please visit: [www.toyotafinancial.com/jobs](http://www.toyotafinancial.com/jobs) and enter job number TFS001E9 in the key word search area.

As the **Portfolio Senior Risk Analyst**, you will create impact by supporting Portfolio Risk Management through reporting and data management activities in the business areas of collections, recovery, portfolio marketing and bank products to help achieve TMCC profit growth objectives.

**Qualifications**

TFS is looking for individuals with strong business sense and practical expertise. Successful candidates must have the following qualifications:

- \* Hands-on experience with risk management tools (e.g. Adaptive Control, Capstone, TRIAD).
- \* Hands-on experience with analytical tools and software (e.g. SAS, KnowledgeSeeker).
- \* Minimum of a Master's degree in a quantitative discipline such as economics, finance, engineering, mathematics, operations research, management science or statistics.
- \* A candidate with a Ph.D. will be given preference.
- \* Expertise in financial and statistical analytical packages such as SAS.

For a full description and to apply for this position, please visit: [www.toyotafinancial.com/jobs](http://www.toyotafinancial.com/jobs) and enter job number TFS001E8 in the key word search area.

Toyota Financial Services rewards both individual and organizational results with well-balanced compensation, benefits and perquisite programs. Our associates, our enthusiasm, and our dedication are the foundation of our success. If you are ready for a new destination, we would like to hear from you. EOE. M/F/D/V.

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**USA: Georgia****Georgia Tech, Atlanta****Senior Level Faculty Position Available  
in Quantitative and Computational Finance /  
Mathematical Finance/Financial Engineering**

Georgia Tech is seeking a senior level faculty member to play a leadership role in its nationally ranked multidisciplinary Quantitative and Computational Finance program. The faculty appointment could be made by any one of the three academic units involved in this program: Mathematics, Industrial & Systems Engineering, and Management (Finance). If appropriate and/or desirable, a joint appointment is possible as well.

The person must have an earned doctorate and an outstanding record of scholarship and teaching in an area related to quantitative and computational finance. Georgia Tech is interested in applicants with expertise in all fields directly related to the modeling and mathematical aspects of finance. It is expected that this senior faculty member will conduct and encourage research in their area of expertise, will help lead in the development of academic and professional programs, and will assist in maintaining and developing the strong lines of communication present between the Institute's academic community and the financial and other academic communities within Atlanta and the Southeast Region.

Georgia Tech is located in Atlanta, Georgia. Its highly regarded academic units of Mathematics, Industrial & Systems Engineering, and Management, have a long-standing tradition of supporting collaborative efforts, especially as they pertain to research and graduate education. The Program in Quantitative and Computational Finance is a thriving Masters Program that has interactions with other Masters and Ph.D. programs across the university, and with various financial communities within Atlanta, the Region, and the Nation. A number of faculty members in the three sponsoring units conduct research in quantitative and computational Finance.

We strongly encourage women and other minorities to apply. Applicants should submit a letter of interest and a current vita to the contact indicated below. The search will continue until the position is filled. The proposed starting date is negotiable.

Send materials to:

*R. Gary Parker*

*Chair, Institute Search Committee*

*School of Industrial and Systems Engineering*

*Georgia Institute of Technology*

*Atlanta, GA 30332-0205*

Georgia Tech is an Equal Education and Employment Institution.  
A Unit of the University System of Georgia

**USA: New Jersey****Rutgers University****Department of Statistics**

Rutgers University, Department of Statistics invites applications for one, and possibly two, tenured or tenure track positions at any level, starting August 2005, or August 2006, contingent on availability of funding.

For junior level candidates, evidence of actual or potential excellence in research and teaching are required. For a senior level candidate, a national or international reputation of excellence is required.

Send CV, and three letters of recommendation to:

*Chair, Search Committee,*

*Department of Statistics,*

*Rutgers University,*

*Hill Center,*

*Busch Campus,*

*110 Frelinghuysen Ave,*

*Piscataway, NJ 08854-8019*

Rutgers University is an equal opportunity employer.

**The jobs section on  
the IMS website  
is updated regularly.  
Check it out at**

**<http://imstat.org/jobs>**

# 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](mailto:erg@imstat.org)

## April 2005

**April 5–12:** Sydney, Australia. ISI 2005: 55th Biennial Session. Contact Annette Hants, [isi2005@tourhosts.com.au](mailto:isi2005@tourhosts.com.au) **w** <http://www.tourhosts.com.au/isi2005>

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

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

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

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

## May 2005

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

[statistics.ucr.edu/Bayes.htm](http://statistics.ucr.edu/Bayes.htm)

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

**May 19–20:** University of Münster, Germany. Pentecost Meeting of the German Statistical Society. **w** <http://www.wiwi.uni-muenster.de/statistik/pfingsttagung/>

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

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


**May 23–26:** University of Siena, Italy. International Conference in Memory of Two Eminent Social Scientists: C. Gini and M. O. Lorenz. Contact Achille Lemmi, Chairman Organizing Committee **w** <http://www.unisi.it/eventi/GiniLorenz05/>

## June 2005

 **June 1–3:** Park City, Utah. 12th Annual Spring Research Conference on Statistics in Industry and Technology.

Contact Shane Reese [reese@stat.byu.edu](mailto:reese@stat.byu.edu). **w** <http://src2005.byu.edu/>

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

 **June 4–8:** Branson, Missouri, USA. Fifth International Workshop on Objective Bayesian Methodology: OBayes5. **w** <http://www.stat.missouri.edu/~bayes/Obayes5/>

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

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

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


**June 14–18:** University of Southern California, Los Angeles. Random Media and Stochastic Partial Differential Equations. Organizer: S Lototsky ([lototsky@math.usc.edu](mailto:lototsky@math.usc.edu)). **w** <http://math.usc.edu>


**June 15–18:** Izmir University, Turkey. Ordered Statistical Data: Approximations, Bounds and Characterizations. Ismihan Bayramoglu **e** [ismihan.bayramoglu@ieu.edu.tr](mailto:ismihan.bayramoglu@ieu.edu.tr) **w** [http://dm.ieu.edu.tr/osd\\_2005](http://dm.ieu.edu.tr/osd_2005)

**June 19–25:** Bressanone-Brixen, Italy. Computational and Statistical Aspects of Microarray Analysis (III). **w** <http://www.economia.unimi.it/marray> **e** [stefano.iacus@unimi.it](mailto:stefano.iacus@unimi.it)

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

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


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

**NEW**  June 26: Santa Barbara, California. **Workshop on Stochastic Models in System and Molecular Biology**. Satellite meeting of Stochastic Processes and their Applications. IMS Rep: Guillaume Bonnet **e** [bonnet@pstat.ucsb.edu](mailto:bonnet@pstat.ucsb.edu) **w** <http://www.pstat.ucsb.edu/projects/smmsb/>

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

## July 2005

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

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

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

[maths.unsw.edu.au/~scott/symposium](http://maths.unsw.edu.au/~scott/symposium)

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

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

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


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

July 18–22: Mikulov, Czech Republic. **Perspectives in Modern Statistical Science III**. Organizers: Jana Jureckova (Charles University in Prague), Ivana Horova (Masaryk University, Brno). **w** [http://www.math.muni.cz/workshop\\_2005](http://www.math.muni.cz/workshop_2005)

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

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

## August 2005


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

 August 5–6: IMA, Minneapolis. **New**

**Directions in Probability Theory**. IMS Program Chair Maury Bramson. **w** <http://www.imstat.org/meetings/NDPT05/>

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

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

**NEW**  August 15–17: Davis, CA. **Nonparametric Models for Complex Biological Data**. IMS Reps: Jianqing Fan, Hans-George Mueller and Chunming Zhan. **w** <http://anson.ucdavis.edu/~mueller/frg/index3.htm>

August 15–19: Gothenburg, Sweden. **4th Conference on Extreme Value Analysis: Probabilistic and Statistical Models and their Applications**. **w** [http://www.math.ku.dk/~mikosch/maphysto\\_extremes\\_2005/extremes.html](http://www.math.ku.dk/~mikosch/maphysto_extremes_2005/extremes.html)


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

## September 2005

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

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

# International Calendar continued


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


September 26–29: Braunschweig, Germany. **Statistical Week: Annual Meeting of the German Statistical Society.** **w** <http://www.statistische-woche.de>

## October 2005

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

## March 2006

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

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

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


## May 2006

May 28–31, 2006: London, Ontario. 2006 **Annual Meeting of the Statistical Society of Canada.** Local Arrangements Chair, David Bellhouse: Dept of Statistical & Actuarial Sciences, Western Science Centre, U of Western Ontario, London, Ontario, Canada, N6A 5B7, **e** [bellhouse@stats.uwo](mailto:bellhouse@stats.uwo).

ca **t** (519) 661-3614 **f** (519) 661-3813. Scientific program chair Richard Lockhart **e** [lockhart@sfu.ca](mailto:lockhart@sfu.ca)

## June 2006

June 5–9: Smolenice Castle, Slovak Republic. **PROBASTAT 2006: Fifth International Conference on Probability and Statistics.** PROBASTAT2006, Institute of Measurement Science, Slovak Academy of Sciences, Dubravska cesta 9, 841 04 BRATISLAVA, Slovak Republic. **e** [probastat@savba.sk](mailto:probastat@savba.sk) **w** <http://aiolos.um.savba.sk/~viktor/probastat.html>


 **June 25–30: Vilnius, Lithuania. 9th International Vilnius Conference on Probability Theory and Mathematical Statistics.** Aleksandras Plikusas **e** [conf@ktl.mii.lt](mailto:conf@ktl.mii.lt) **w** <http://www.science.mii.lt/vilconf/>


## July 2006

July 2–7: Salvador (Bahia), Brazil. **ICOTS-7: Working Cooperatively in Statistics Education.** Contact Carmen Batanero **e** [batanero@ugr.es](mailto:batanero@ugr.es) **w** <http://www.maths.otago.ac.nz/icot5>

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


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

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

 July 24–28: Toruń, Poland. **26th European Meeting of Statisticians.** **e** [ems2006@umk.pl](mailto:ems2006@umk.pl) **w** <http://www.ems2006.umk.pl>


## August 2006

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

 August 21–25: Prague, Czech Republic. **Prague Stochastics 2006:** joint session of the 7th Prague Symposium on Asymptotic Statistics and the 15th Prague Conference on Information Theory, Statistical Decision Functions and Random Processes. Zuzana Prášková **e** [praskova@karlin.mff.cuni.cz](mailto:praskova@karlin.mff.cuni.cz) **w** <http://www.utia.cas.cz/pragstoch6>

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](mailto:compstat2006@uniroma1.it)

## April 2007

 April 15–18: Miami, FL. 2007 **ENAR/IMS Spring Meeting.** IMS Program Chair TBA. **w** <http://www.enar.org/meetings.htm>


## August 2007

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

## August 2008

 August 3–8: Denver, CO. **JSM2008.**

## August 2009

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

## Membership and Subscription Information

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

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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.

The *IMS Bulletin* (ISSN 1544-1881) is published ten times per year in January/February, March, April, May, June, July, August/September, October, November and December by the Institute of Mathematical Statistics, 3163 Somerset Dr, Cleveland, Ohio 44122, USA. Periodicals postage paid at Cleveland, Ohio, and at additional mailing offices. Postmaster: Send address changes to Institute of Mathematical Statistics, 9650 Rockville Pike, Suite L2407A, Bethesda, MD 20814-3998.

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10: December	<b>November 1</b>	November 15	December 1

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## June 2005

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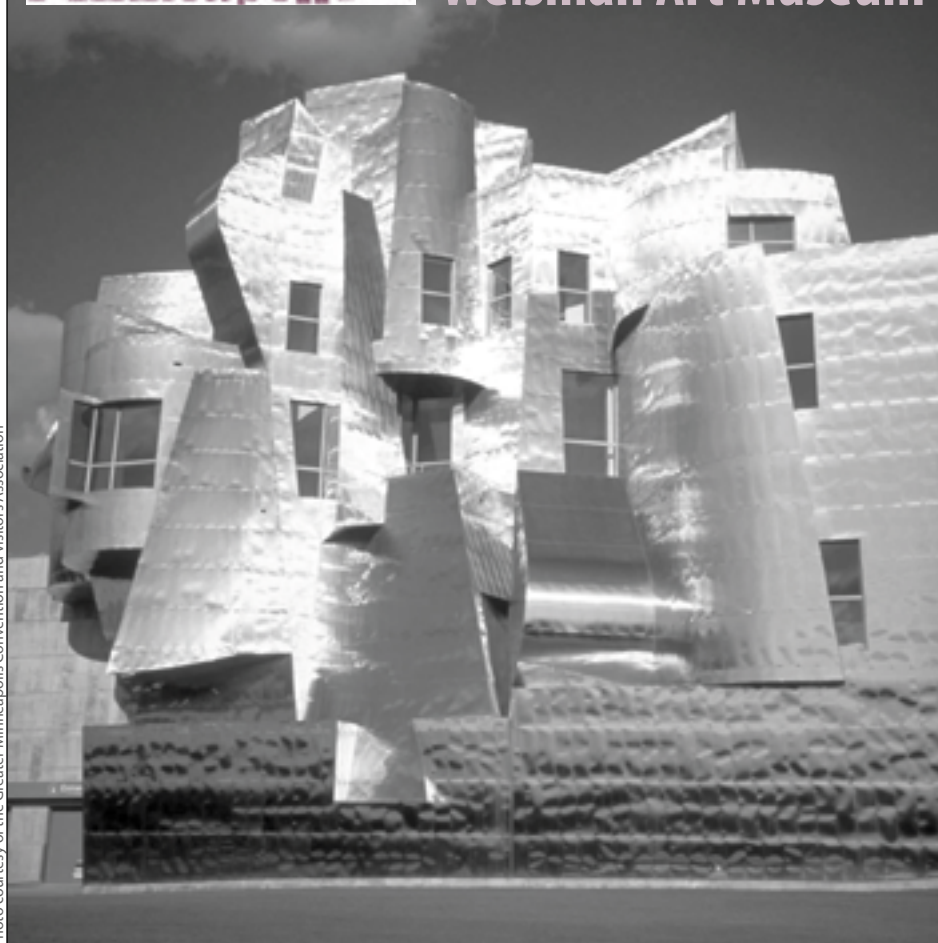


Photo courtesy of the Greater Minneapolis Convention and Visitors Association

Housed in a striking stainless steel and brick building designed by architect Frank Gehry, the Weisman Art Museum offers an educational and friendly museum experience. The museum's collection features early twentieth century American artists such as Georgia O'Keeffe and Marsden Hartley, as well as a diverse selection of contemporary art. A teaching museum for the University of Minnesota and the community, the Weisman provides a fresh, engaging arts experience through an array of programs and a changing schedule of exhibitions. Admission is free. More information at <http://www.weisman.umn.edu/>