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IMS Bulletin

June 2010

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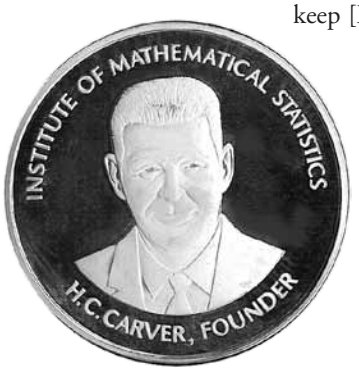
IMS Carver Award: Julia Norton

Julia A. Norton, Professor Emerita in the Department of Statistics and Biostatistics at California State University, East Bay in Hayward, California, USA has received the 2010 Carver Medal from the Institute of Mathematical Statistics. The presentation of the medal will take place August 10, 2010 at a special ceremony during the IMS Annual Meeting in Gothenburg, Sweden.

Julia A. Norton

Professor Norton receives the award for contributions to the IMS throughout her career, and especially for her conscientious and pivotal service as IMS Treasurer during the period when the IMS Business Office was moved from California to Ohio.

She said she was greatly surprised to receive the award, commenting, "I just said yes to all sorts of new ideas that came the way of the Institute during my two terms as Treasurer." She added, "Like most things, the best part of the job is the fantastic teamwork displayed by the staff. I am most proud of my hand in helping to hire and keep [Executive Director] Elyse in our employ."



The Carver Medal was created by the IMS in 2002 in honor of Harry C. Carver, Founding Editor of the *Annals of Mathematical Statistics* and one of the founders of the IMS. The medal is for exceptional service specifically to the IMS, and is open to any member of the IMS who has not previously been elected President.

The Carver Award will be presented during the Presidential Address session on August 10, at the IMS Annual Meeting in Gothenburg, Sweden. See **www.ims-gothenburg.com** for details.

Childcare grant for Gothenburg meeting: apply by June 1

IMS 2010 Gothenburg August 9-13

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Executive Committee

IMS members' news

US National Academy of Sciences elects new members and associates

The United States National Academy of Sciences has announced the election of 72 new members and 18 foreign associates from 14 countries, in recognition of their distinguished and continuing achievements in original research. Among these are four IMS members and Fellows.

The election was held during the business session of the 147th annual meeting of the Academy, in April. Those newly elected bring the total number of active members to 2,097. Foreign associates are nonvoting members of the Academy, with citizenship outside the United States. This election brings the total number of foreign associates to 409.

The National Academy of Sciences is a private organization of scientists and engineers dedicated to the furtherance of science and its use for the general welfare. It was established in 1863 by a congressional act of incorporation signed by Abraham Lincoln that calls on the Academy to act as an official adviser to the federal government, upon request, in any matter of science or technology. Additional information about the Academy and its members is available online at http://www.nasonline.org.

Among the newly elected members are:

- Jerome H. Friedman, professor of statistics, department of statistics, Stanford University, Stanford, Calif.
- Michael I. Jordan, Pehong Chen Distinguished Professor, department of statistics and department of electrical engineering and computer sciences, University of California, Berkeley
- Donald B. Rubin, John L. Loeb Professor of Statistics, department of statistics, Harvard University, Cambridge, Mass.

One of the newly-elected foreign associates is David Aldous, professor of statistics in the department of statistics at the University of California, Berkeley (whose country of citizenship is United Kingdom).

Childcare Grants

The IMS will provide funding for childcare at the 2010 Annual Meeting in Gothenburg, Sweden, August 9–13. The IMS will reimburse members 80% of the costs of privately-arranged child care. The application deadline is June 1. www.imstat.org/meetings/childcare.htm

Donald Gaver receives US Army's Samuel Wilks Award

Donald Gaver, distinguished professor of operations research at the Naval Postgraduate School in Monterey, California, since 1970, was named the 2009 recipient of the U.S. Army Wilks Award. The award was presented to Gaver on October 21 at the 2009 Army Conference on Applied Statistics at Arizona State University.

Donald Gaver

The Wilks Award goes to an individual who has made substantial contributions to statistical methodology and to applications impacting the practice of statistics in the Army. At the award ceremony, special mention was made of Gaver's strong contributions to statistical modeling and inference and to multiple aspects of reliability theory and its applications.

Marie Davidian receives NC State's Holladay Medal

Marie Davidian is the recipient of the North Carolina State University Alexander Quarles Holladay Medal for Excellence—the highest award given by NC State in recognition of faculty career accomplishments. She received a medal and a framed certificate at the university's commencement dinner on May 14. Established in 1992, the Holladay Medal recognizes members of the NC State faculty who have made outstanding contributions to the university through achievements in research, teaching, or service over their careers.

Kiyosi Itô tribute in free issue of *Stochastic Processes and their Applications*

Thomas Mikosch is editor of *Stochastic Processes and their Applications* (*SPA*). He writes:

The journal *Stochastic Processes and their Applications* is proud to announce that its special May 2010 issue, "A tribute to Kiyosi Itô," is available free of charge on ScienceDirect (www.sciencedirect.com) and on the SPA website www.elsevier.com/locate/spa. The issue was guest edited by Marc Yor and Maria Eulalia Vares and features articles by former students of Professor Itô—Professors Masatoshi Fukushima, Nobuyuki Ikeda, Hiroshi Kunita, and Shinzo Watanabe—and French probabilists, Professors Jean Bertoin, Philippe Biane, Jean-Francois Le Gall, and Wendelin Werner. Their masterly written papers bring the reader to the core of the topics and convincingly present the contributions of Kiyosi Itô as well as their influence on theoretical and applied research in stochastic processes in the past, present and future. The issue is annotated by additional material about some aspects of K. Itô's work (M. Yor), a complete bibliography of K. Itô and an introduction to the volume by the two guest editors.

Special issue of *IJSS* honoring A. K. Md. Ehsanes Saleh

The *International Journal of Statistical Sciences* (*IJSS*) recently published a special volume (No.9, 2009) edited by Professor S.E. Ahmed (University of Windsor, Canada) in honour of Professor A. K. Md. Ehsanes Saleh of Carleton University, Canada for his landmark contributions to statistical sciences. Professor Saleh, a Bangladeshi-Canadian, is a distinguished research professor and professor emeritus, Carleton University. He is a Fellow of the IMS, American Statistical Association, Royal Statistical Society, and Academy of Sciences of Bangladesh, an honorary member of the Statistical Society of Canada, and a member of the International Statistical Institute. He is Editor-In-Chief of the *Journal of Statistical Research* and has served many international journals. He was Eugene Lukacs Distinguished Professor at Bowling Green State University and a recipient of Japan's Ogawa Award, the Q. M. Hosain Gold Medal, two ISSOS Gold Medals, and a Gold Medal by ISRT, University of Dhaka for his lifetime achievements. He has produced 20 Masters and 12 PhDs, and has published more than 200 articles in many high quality journals. He has been honoured with the award "Pride of Bangladesh" by the Federation of Bangladesh Association of North America (FOBANA). The Natural Sciences and Engineering Research Council of Canada recognizes Professor Saleh "for his research achievements that have contributed to the sum total of human knowledge and advancement of economic and social well-being of Canadians over 25 years of NSERC's existence".

A K Md Ehsanes Saleh

IMS Laha Awards


Jelena Bradic


Haeran Cho


Xiao Fang


Xu Han

We present this year's selection of IMS Laha Award winners. Each year, thanks to a generous bequest from Radhu Govind Laha, the IMS Travel Awards Committee selects a number of people to receive this award, which enables them to travel to present a paper at the IMS Annual Meeting. If you are going to Gothenburg, you can congratulate them in person!

This year's ten winners are (clockwise from above left):

- Jelena Bradic, Operations Research & Financial Engineering, Princeton Univ
- Haeran Cho, London School of Economics
- Xiao Fang, Dept of Stats & Applied Probability, National Univ of Singapore
- Xu Han, Operations Research & Financial Engineering, Princeton Univ
- Seonjoo Lee, Dept of Statistics, Univ of North Carolina–Chapel Hill
- Seunggeun Lee, Dept of Biostatistics, Univ of North Carolina–Chapel Hill
- Layla Parast, Dept of Biostatistics, Harvard School of Public Health
- Xiaoru Wu, Columbia University
- Dachung Xiu, Princeton University
- Ping-Shou Zhong, Indiana State University


Ping-Shou Zhong


Seonjoo Lee


Dachung Xiu


Xiaoru Wu


Layla Parast


Seunggeun Lee

Statistics museum appeal

Sankhya: The National Museum of Statistics will be built on a five-acre plot in the campus of the University of Hyderabad, kindly donated by the university, close to the premises of the C.R.Rao Advanced Institute of Mathematics, Statistics and Computer Science (CRRAO AIMSCS).

The founders of the museum are:

Seyed Hasnain, Vice chancellor, University of Hyderabad, President

C.R. Rao, FRS, Distinguished Professor Emeritus and Advisor, C.R. Rao AIMSCS

M.S. Ahluwalia, Deputy Chairman, Planning Commission, Govt. of India

R. Radhakrishna, Chairman, National Statistics Commission, Govt. of India

V.K. Saraswat, Scientific Advisor to Defense Minister, Govt. of India

M.S. Raghunathan, FRS, TIFR

C.S. Seshadri, FRS, Director, Chennai Mathematical Institute

M. Barma, Director, TIFR

S.B. Rao, Director, C.R. Rao AIMSCS, Member Secretary

The museum is founded in order to showcase the history of statistics as a discipline, to explain its early use as data relating to people and the state for administrative purposes, to demonstrate its use in all areas of human endeavor, and to promote statistics as a career. The museum will host regional and national competitions such as the Statistics Olympiad, and will provide a venue for scholars to meet and discuss.

A committee of specialists with experience in designing museums and display of objects will be formed to provide the plans for the building and layout of the exhibits in the museum. The museum of statistics will be the first of its kind in the world. Suggestions are invited from statisticians all over the world on the design of the building and layout of the exhibits in the museum.

It is also proposed to set up national and international committees to raise donations from the government, philanthropic institutions and individuals for building the museum, acquiring the material for exhibition and advising on matters referred to them for achieving the objectives of the museum as stated in the memorandum of the society. Volunteers for these committees are welcome.

> Statistics is the technology of finding the invisible and measuring the immeasurable.
>
> C.R. Rao

Donations sought

Donations are solicited for the establishment of the museum. A special account is set up in the University of Hyderabad in the name of the museum. Donors in India can write rupee cheques payable to *Finance Officer, University of Hyderabad; Acc. Sankhya: The National Museum of Statistics* and send them Dr. S B Rao at the address given below. The donations are 100% income tax -exempt in India.

Donors in USA can write dollar checks payable to SHARE, with a note *for Sankhya: The National Museum of Statistics* and send them to: Dr. Vijay V. Yeldandi, MD,FACP, FCCP, 445 East North Water Street , Apt. 701, Chicago,IL 60611 (e yeldandi@ichhaindia.org)

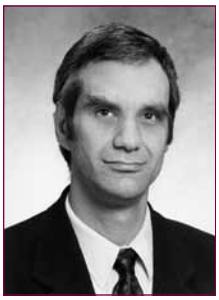
The donations made in dollars are 100% tax- exempt in USA.

Donors are requested to inform the amount donated, and where the donation was sent, to both Dr. S.B. Rao (e siddanib@yahoo.co.in) by email or letter to the address: *C R RAO AIMSCS, ARYABHATTA University of Hyderabad Campus, Prof. C R Rao Road, Hyderabad, 500046* and to Dr. C.R. Rao (e crr1@psu.edu) by email or letter to the address: *29 Old Orchard Street, Williamsville, NY 14221*. We will keep a record of donors, which will be exhibited in the museum.

A tentative plan is to have a building of 25,000 sq.ft. floor space, divided into a number of halls. There is a provision to dedicate each hall in the name of a donor who makes a substantial contribution. For details, please contact S .B. Rao and C. R. Rao.

The Museum is being registered as an independent Society working under the guidance of a Governing Body and direction of a Council. National and International advisory and fund raising committees will be set up to help the Museum in its development.

Rietz Lecture preview: Michael Stein



Michael Stein received his Ph.D. in Statistics from Stanford University in 1984, then spent a year at IBM's T.J. Watson Research Center before joining the faculty in the Department of Statistics at the University of Chicago in 1985, where he is presently the Ralph & Mary Otis Isham Professor of Statistics. He chaired the department 1998–2001 and was the director of the Center for Integrating Statistical and Environmental Science 2002–2008. In addition to the Rietz Lecture, Michael Stein has given both a Special Invited Paper and a Medallion Lecture for the IMS and the Hunter Lecture for the International Environmetrics Society. He is a fellow of both the IMS and ASA and an elected member of the ISI. He has served on the editorial boards of several journals and is particularly proud to be one of the founding editors for the *Annals of Applied Statistics*. Michael's lecture will be given at the IMS Annual Meeting in Gothenburg, on August 11 (provisionally: see www.ims-gothenburg.com/)

Ever since my graduate student days under the supervision of Paul Switzer at Stanford, I have worked in spatial statistics. Most of my research has been on statistical inference for random fields but I have dabbled in spatial point processes as well. My focus has been on models and methods for processes whose index set is continuous, since, even when observations are on some kind of grid, the underlying process often is defined in continuous space. However, in many applications in which spatial variation is of interest, there is a temporal aspect to the process as well. I had long felt that statistical methods for spatial-temporal processes was an area in great need of development. Nevertheless, I had worked only sporadically in this area until 2002, when I found myself the director of a new research center funded by the US Environmental Protection Agency, which left me with no choice but to add the temporal component to my research.

My work in spatial statistics had been dominated by the problem of spatial prediction: providing point predictions and uncertainty estimates for values of a random field at an unobserved location or of integrals of random fields. The standard approach to this problem is known as kriging, which is just best linear unbiased prediction under some assumed model for the first two moments of the random field. It had long been observed in the geostatistical community that the behavior of kriging predictors largely depends on the local behavior of the random field. It was apparent to me even as a graduate student that fixed domain asymptotics, in which one considers taking more and more observations in a bounded region, was most appropriate for making sense of this finding. My realization as a new faculty member at Chicago that equivalence of Gaussian measures together with fixed domain asymptotics provided a mathematical framework for making sense of the observed behavior of kriging predictors led to a series of papers on the topic, many of them appearing in *The Annals of Statistics* starting with Stein (1988). My long advocacy of the Matérn model for spatial processes (Handcock and Stein, 1993; Stein, 1999) was based on the model's ability to provide a flexible and parsimonious model for the local behavior of spatial processes. An additional important property of all Matérn covariance functions is that they are infinitely differentiable away from the origin and thus avoid certain anomalous behaviors found in models in which the covariance function is not sufficiently smoother away from the origin than at the origin (Stein, 1999, 2005).

Not surprisingly, my work in spatial statistics has affected my approach to spatial-temporal problems. In particular, my work focuses on Gaussian processes with continuous spatial and temporal indices, for which specification of the covariance function is the key problem. I will talk about a class of generalized spatial-temporal covariance functions that allow flexible local behavior in space and time, are suitably smooth away from the origin and can be computed efficiently and accurately. This last property is critical to apply these models to massive spatial-temporal datasets and I will discuss various statistical and computational challenges that arise in the analysis of these massive datasets, including likelihood approximation and modeling of nonstationarity.

Handcock, M. S. and Stein, M. L. (1993). A Bayesian analysis of kriging. *Technometrics* **35**, 403–410.

Stein, M. L.(1988). Asymptotically efficient prediction of a random field with a misspecified covariance function. *Ann. Statist.* **16**, 55–63.

Stein, M.L. (1999). *Statistical Interpolation of Spatial Data: Some Theory for Kriging*. Springer, New York.

Stein, M. L. (2005). Space-time covariance functions. *J. Amer. Statist. Assoc.* **100**, 310–321.

Medallion Lecture preview: Marek Biskup

Marek Biskup is an Associate Professor in the Department of Mathematics at the University of California at Los Angeles. In 1994 he received a Master of Physics from the Charles University of Prague under the supervision of Roman Kotecký and in 1999 he earned a Doctorate in Mathematics from the Koninklijke Universiteit Nijmegen in the Netherlands under the guidance of Frank den Hollander. He held postdoctoral and visiting positions in the Theory Group in Microsoft Research, Redmond, and since 2004 has been a regular faculty at UCLA. For personal reasons he currently spends part of his time at the University of South Bohemia in České Budějovice, the Czech Republic, where he works in the School of Economics.

Marek will present his IMS Medallion Lecture at the IMS Annual Meeting in Gothenburg, on August 10 at 10.15am (provisional time: check the program nearer the time at http://www.ims-gothenburg.com/)

The Many Faces of the Random Conductance Model

Modern science is driven by the observation that progress in the theoretical grasp of complex phenomena usually arrives only when the problem at hand is reduced to its simplest non-trivial form. In the field of statistical mechanics, this idea has over the years given rise to a number of interesting models. The list starts off with "textbook" subjects like random walks and Markov chains. It then moves into such topics as percolation, the Ising model, stochastic particle systems as the voter, exclusion and contact processes, probabilistic cellular automata such as sandpiles, and so on. The apparent simplicity of these models has captured attention of many theorists whose efforts have subsequently led to remarkable results that may, with some leaps of faith, be sometimes extrapolated to more realistic situations.

In my lecture I will discuss one such paradigm problem that I have focused on in my recent work: the *Random Conductance Model* (RCM). The underlying setting of this model is an infinite, locally-finite graph; most naturally, the square or cubic lattice. The edges of this graph are assigned non-negative weights called *conductances* that are sampled from some natural (or context-driven) joint distribution. The graph thus becomes a random electric network. This immediately suggests many questions: What is the mean effective resistivity — that is, the current flowing through the network when unit voltage is applied — between two far-away points? And how about between a point and the surface of a large ball? Or even between two far-away balls that are roughly as large as they are apart? And what is the typical scale of the fluctuations?

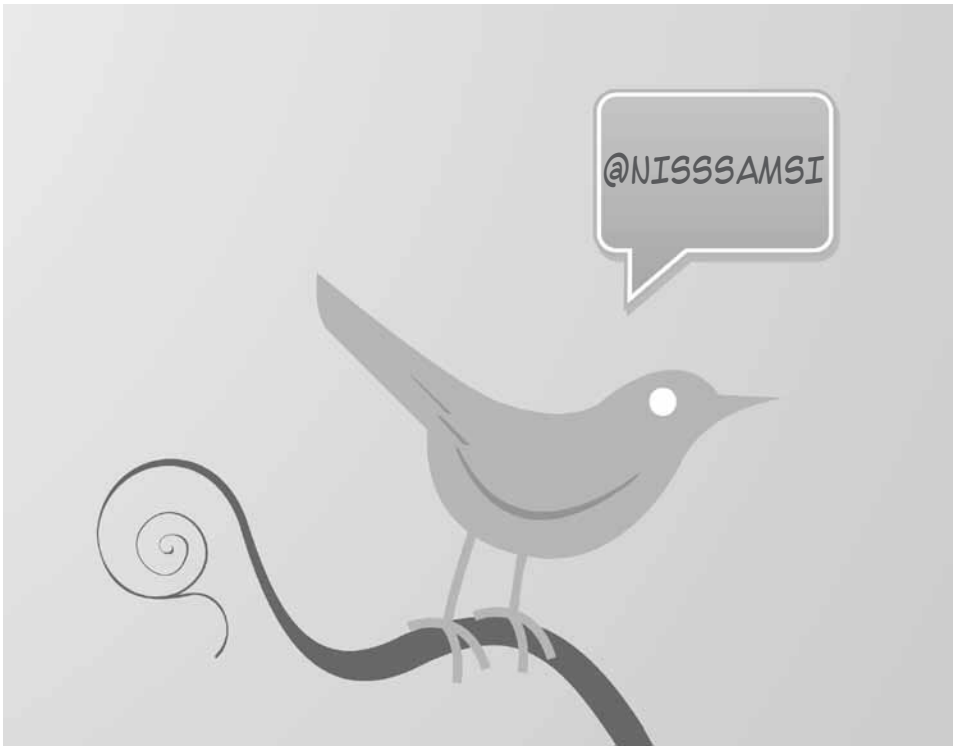
Many of these questions have been (or can be) tackled by the methods of homogenization theory. However, we will be more concerned with a probabilist's viewpoint that can be summarized as follows: After all, the effective-resistivity calculation is a problem in harmonic analysis that may as well be studied by analyzing a proper Markov chain. The good news is that also this chain — often referred to as *random walk among random conductances* — has a very simple structure: The state space are the vertices of the graph and the transitions are only to the neighbors and they occur with probability proportional to the conductance of the corresponding edge. The set of questions then continues: How does the probability of a return to the starting point behave with the elapsed time? And how about the mixing time for the chain restricted to a finite subset of the graph? Is there a scaling limit of the paths? And, if so, what is the rate of convergence in this limit?

Another area where the Random Conductance Model has recently surfaced is that of gradient fields. To give just a flavor of the connection, consider the multivariate Gaussian distribution indexed by the vertices of the cubic lattice whose covariance matrix is given by the Green's function of the random walk among random conductances. The list of questions then continues yet further: What is the large scale behavior of such fields? Is there a scaling limit? Can one classify all Gaussian measures that make the gradient variables translation invariant? And how about the spatial regularity of the samples?

It turns out that most of these questions can be reduced to the behavior of a single object: the *corrector*. This is a prescription of how much one should move each vertex of the lattice (relative to its neighbors) so that the underlying Markov chain becomes a martingale. The relevance of this (random) object has been known for decades; however, little information is available about its detailed behavior to the present day. In my talk I will discuss these connections, give proper credit to all contributions bearing on this problem, outline some of the most interesting solutions and list a number of open questions that I find valuable in this area.

NISS/SAMSI InSpire award

NISS and SAMSI win NCPRSA 2010 InSpire Award in Social Media category



The National Institute of Statistical Sciences (NISS) has been awarded the North Carolina Public Relations Society of America (NCPRSA) InSpire Bronze 'Best of Category Award' for the Social Media category. The award was presented on Wednesday, May 5 at the Brier Creek Country Club. Bill Leslie, anchor for WRAL News, was the emcee.

The NCPRSA Bronze InSpire Awards acknowledge exceptional public relations achievements as well as the individual components of campaigns. A panel of experts associated with the Public Relations Association of Mississippi (PRAM) meticulously evaluated the submitted entries.

NISS and its co-located sister institute, the Statistical and Applied Mathematical Sciences Institute (SAMSI), have built up a following of statisticians and applied mathematicians from around the world on the @NISSSAMSI Twitter account. This account has 566 followers, most of whom are statisticians and applied mathematicians. NISS and SAMSI use Twitter to promote research projects, papers reporting the research, workshops and events, as well as other information of interest to the target audience. They also post photos using Twitgoo, which entices more people to read about events and projects.

Neither institute alone has enough information to tweet, so NISS and SAMSI employ the one account @NISSSAMSI to promote both at the same time. During conferences and workshops, tweets are delivered about the speakers and later offer URLs from which people can download copies of speakers' talks.

"We have been amazed at the amount of response we have received from our Twitter account," remarks Jamie Nunnelly, director of communications for NISS and SAMSI. "At We Follow.com, @NISSSAMSI is now rated as the number 1 most influential Twitter account for statistics."

Samuel Kotz: 1930–2010

IMS Fellow Professor Samuel Kotz, Professor and Research Scholar in the Department of Engineering Management and Systems Engineering at The George Washington University, died on March 16, 2010, aged 79. He is probably best-known to the statistical community for his work as Editor-in-Chief and Founder of the *Encyclopedia of Statistical Sciences* (1982-1999). We will publish an obituary in a future issue.

If you hear about the passing away of any IMS members, or you want to get in touch with some happier news, please email the *IMS Bulletin* at bulletin@imstat.org

Obituary: Hirotugu Akaike

1927–2009

Photo courtesy of Springer Science+Business Media LLC

Hirotugu Akaike

Professor Hirotugu Akaike: born Fujinomiya City, Shizuoka Prefecture, Japan, on 5 November 1927; BA (Mathematics) in 1952 and DSc (Mathematics) in 1961, University of Tokyo; Researcher (1952–62), Section Head (1962–73), Divisional Head (1973–86), Director General (1986–94), Emeritus Professor (1994–2009), Institute of Statistical Mathematics, Tokyo, Japan; died of pneumonia in Tokyo on 4 August 2009, aged 81.

Hirotugu Akaike's activities in statistics can be divided into phases: before, during, and after an interest in time series. The most important contribution during the pre-time-series phase is the convergence property of the optimum gradient method. For this, he is held in very high regard in the optimization community.

The time-series phase was ushered in by his collaborative research on a stationary process that arose from the control of silk production. The experience encouraged him to make conscious efforts to collaborate extensively with engineers from diverse areas. His most notable contributions of this period include the modelling of the f^{-2} spectral density in 1960: an early bird in the analysis of long-memory time series. His other significant contribution is on rapid phase-lag changes at some frequencies in cross-spectral analysis, in 1962.

In the later part of the 1960s, Akaike was busy helping his engineers to design an optimal controller in cement production. He chose the linear multivariate autoregressive (AR) model in 1969. At this point, he was faced with the inevitable issue of order determination. Out of necessity, he developed the Final Prediction Error (FPE) method by focusing his model building on prediction.

On 16 March 1971, as Akaike was taking a seat in the morning commuter train, it suddenly dawned on him that the basic ideas behind the FPE could be used in a much wider context. By replacing a point prediction by a predictive distribution and bringing in the Kullback-Leibler information in the space of distribution functions, the famous "An Information Criterion" (later more affectionately called the *Akaike's Information Criterion* or *AIC*) was born! It takes the almost Einsteinian form of

AIC = -2 (maximized log likelihood) + 2 (number of free parameters).

Certainly by 1969, Akaike knew before others that the FPE would lead to an inconsistent model selection *if there exists a true model of finite order*. In 1977, he proposed a Bayesian information criterion (ABIC), with +2 replaced by $+0(\ln N)$, that is similar to the BIC proposed by G. Schwarz in 1978 and leads to consistency.

In 1977 and 1978, Akaike made an excursion into Bayesian territory and developed notions which, almost twenty years later, came to be called *model uncertainty* and *model averaging*. He also used the ABIC to select the prior distribution in a Bayesian framework, leading to significant advances in seasonal adjustments and the Stein's problem, the former having points of contact with the currently topical "large p, small n" problem. On judging by the phenomenal impact of AIC in almost every field of science and technology, there is no doubt that AIC is an intellectual achievement of the highest order. The Kyoto prize in 2006 came as no surprise.

From 1986 to 1994, Akaike spent most of his time and energy running and defending the Tokyo Institute of Statistical Mathematics (ISM) as its Director General. That the ISM remains intact today owes much to his international standing and negotiation skills. Retirement came in 1994. He took up golf and uncovered the secrets underlying golf-swing action.

Akaike was widely honoured. Among the most notable ones are the Purple Ribbon Medal and the Asahi Prize, which are two of the highest honours in Culture and Science in Japan, and the Kyoto Prize, which is one of the highest honours in science in the world.

Akaike was always very kind to young researchers. Under his guidance, a generation of Japanese time series analysts has emerged from the ISM: Genshiro Kitagawa, Makio Ishiguro, and others. I can still remember the many exciting hours I spent studying his selection of important papers written by others, all bearing his personal comments, to which he had kindly allowed me free access.

In his youth, Akaike was deeply troubled by what he saw as the meaninglessness of life. He once contemplated suicide in the 1940s. It was watching the goldfish swimming freely in a pond that gave him a ray of hope. He completed his life's journey by transforming that ray of hope into the brilliance of a star. He will always be remembered as a most gentle person of great intellect, integrity and generosity. Now that he has left us forever, the world has lost one of its most innovative statisticians, and many of us have lost a most noble friend.

Howell Tong

This is an abridged version of the obituary that appeared in the Journal of the Royal Statistical Society, Series A, *March 2010.*

AMS-ASA-IMS-MAA-SIAM surveys

2009 Annual Report of the AMS-ASA-IMS-MAA-SIAM Data Committee

Polly Phipps chairs the AMS-ASA-IMS-MAA-SIAM Data Committee. She writes:

The Annual Survey Data Committee guides the collection and dissemination of data on matters of concern to the mathematical sciences community. The committee held its annual meeting during the Joint Mathematics Meetings in Washington, D.C. in January 2009. The committee discussed data gathered and published during the previous year and made recommendations on data to be gathered in 2009. Staff at AMS in Providence, under the direction of Ellen Maycock, Associate Executive Director for Meetings and Professional Services, carry out the annual gathering and analysis of data and the writing of the reports jointly with the committee chair. AMS staff members involved in this work during 2009 included Dr. James Maxwell, Colleen Rose and Steven Ferrucci.

Based on data gathered in questionnaires sent to departments of mathematical sciences in the U.S. and to new doctoral recipients earning degrees between July 2007 – June 2008 from departments with doctoral programs, three reports were published in the *Notices of the AMS* (see box).

Current data gathering of the committee

The AMS-ASA-IMS-MAA-SIAM Data Committee gives advice to staff at AMS about annual data gathering from U.S. Departments in the Mathematical Sciences. This data gathering was started by AMS in 1957 and has continued uninterrupted since that time. The MAA joined this effort in 1989 and in more recent times IMS, ASA and SIAM have become sponsors.

Preliminary Report on the 2008–09 New Doctoral Recipients (First Report, Part I). Each calendar year the data gathering begins in April. Doctoral-granting departments in the Mathematical Sciences in the U.S. are asked to report a variety of information about their new doctoral recipients from July 1 the previous year through June 30 of the current year. The departments are asked for names of their new doctoral recipients, dissertation titles, addresses, citizenship, current employment status, etc. Information gathered is published as the First Report, Part I and in recent years this report has been published in the February issue of the *Notices of the AMS*. Names of the new doctoral recipients and their dissertation titles are also published in the February issue of the *Notices of the AMS*.

Report on the 2008–2009 Faculty Salaries (First Report, Part II). Each June a questionnaire is sent to Mathematical Sciences departments in all 4-year colleges and universities in the U.S. asking them to provide salary information for all tenured or tenure-track faculty in their department for the upcoming academic year. This information is reported by group (see group definitions at http://www.ams.org/employment/groups_des.html) and by rank. Information gathered is published as the First Report, Part II and in recent years this report has been published in the March issue of the *Notices of the AMS*.

Updated Report on the 2008–2009 Doctoral Recipients, Starting Salary Survey of the 2008–2009 Doctoral Recipients (Second Report). Each October, further information is gathered about new doctoral recipients. Using the names and addresses of new doctoral recipients provided earlier by departments granting the degrees, a questionnaire is sent to each new doctoral recipient asking for their current employment status, salary, gender, etc. This information is used to update the results given in the First Report for new doctoral recipients as well as to give information about their starting salaries. This information is published as the Second Report, typically in the August issue of *Notices of the AMS*.

Faculty Profile, Enrollment and Degrees Awarded Profile, Graduate Student Profile (Third Report). In September, another questionnaire is sent to all departments of Mathematical Sciences in Groups I, II, III, IV, V and M, and to a stratified random sample of departments in Group B. It asks them for details about number and type of faculty, enrollments in courses by broad categories, number and type of graduate students in departments with graduate programs, etc. Information from this questionnaire provides a departmental profile for each department. The combined results are published as the Third Report in the November issue of *Notices of the AMS*.

The *2008 Annual Survey of the Mathematical Sciences (AMS-ASA-IMS-MAA),* edited by Polly Phipps, James W. Maxwell, and Colleen A. Rose, was published as:

First Report, Preliminary: Report on the 2008 New Doctoral Recipients, *Notices of the AMS* (2009), Vol 56, No 2, pp. 281–301.

First Report, Part II: Faculty Salary Survey, *Notices of the AMS* (2009), Vol 56, No 3, pp. 388–394.

Second Report: Updated Report on the 2008 Survey of New Doctoral Recipients and Starting Salary of New Doctoral Recipients, *Notices of the AMS* (2009), Vol 56, No 7, pp. 828–843.

Third Report: Faculty Profile, Enrollment and Undergraduate Majors Profile and Graduate Student Profile, *Notices of the AMS* (2009), Vol 56, No 10, pp. 1289–1300.

Rick's Ramblings: Rick and Larry on Problem Solving

Rick Durrett is in conversation with Larry Shepp. So that's Curly and Larry… where's Moe?

It is said that you shouldn't put anything in email that you wouldn't want to see on the cover of *The New York Times*. With the exception of some of Tiger Woods' text messages, few such electronic messages are interesting enough to end up there. However, this column's content originated from an email exchange with Larry Shepp. On April 21, his message under the subject line, "To a fellow wanderer," began the following exchange. The messages have been edited to enhance the illusion of a conversation. Any resemblance to actual events, locales, or persons living or dead, is coincidental.

Larry: *I just learned that we were doing similar things late in life and wanted to touch base; in your case it's not as late as in mine. I am about to move from Rutgers to U Penn, Wharton, Stat Dept. I am very excited—that there will be more people to talk to, is one reason.*

On a less personal level, in my opinion, probability is in trouble. I believe that probabilists don't try to solve problems. I think this is bad for mathematics and for the country. Maybe you could write a reasoned editorial about it if you feel the same way. I have had papers rejected that solved a problem I worked on for 40 years and finally solved. The editor was honest—he said he didn't like the paper because "it's just using calculus." This is scary; I thought I was having a bad dream. I know I am getting old, but what the hell is going on?

Rick: I agree 100% that probabilists don't solve problems any more. I have had my papers rejected because no new mathematics was created in solving the problem. Chung once said that mathematicians are more inclined to build fire stations than to put out fires. A more accurate statement for the situation now is that once one fire station has been built, there is no reason to build a second one or to actually put out fires. So Larry if you wanted to write a few words, perhaps we could co-write a column

Larry: *See if you like this start: We were brought up believing that the way to do probability, or mathematics, and have the world beat a path to your door is to start with a problem that someone else is interested in, and then solve it. I have already mentioned my experience with one of the IMS journals. If problem solving is the right approach, as we were taught to believe, then this is ridiculous. What would happen if someone settles the Riemann hypothesis but only uses calculus?*

The mathematical rivalry, elegance vs. problem solving, probably goes back to Euclid. Paul Erdős used to refer to the proof "in the Book" as the "right" proof, but he was the world's greatest problem solver. It is true that problem solvers often fail to see the forest for the trees and miss the fundamental conceptual advances, such as the ones Kolmogorov provided in probability. However, it is painful to see the majority of our journal space wasted on papers that prove "the usual theorems by the usual methods." Let's get back to starting each paper with a clear problem.

Rick: Well said. But I am sure that many readers will think, "Where do I find these problems to work on?" As Cantor once said, "In mathematics the art of proposing a question must be held of higher value than solving it."

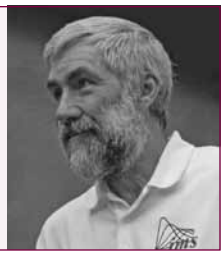
Larry: *True. I have always considered the problem proposer as having the more important role to play. Herman Weyl said that "mathematics walks on the feet of little problems". In probability, Lester Dubins created many great problems that stimulated the development of theory: for example, optimal control was developed by "How to gamble if you must," by Dubins and Savage, and also by many great problems posed by Herb Robbins. But those were the good old days.*

Statistics, on the other hand, has many new problems connected to data mining of large data sets, but most papers seem to ignore the specific problem under attack and rush to solve all of the problems at once with some canned method. They are just "throwing their results over the wall" as we used to say in Bell Labs by applying their own methodology rather than following through with genuine interest in the problem.

Rick: I doubt if many statisticians would listen to me tell them how to fix their subject, so I will return the focus to probability. I must confess that when I posed the last question I was setting myself up for my last response. The Mathematical Biosciences Institute is having a program on Stochastics in Biological Systems during the 2011–2012 academic year. Tom Kurtz and I are the probabilists on the organizing committee. I think it will be a stimulating year. In particular, the opening workshop currently being developed under the code name "Rock Stars of Math Biology" should be a great place to learn about activities at this exciting interface. Stay tuned for more details.

Terence's Stuff: Change, courses and committees

Who decides what is taught in your department's courses? Chances are it's a committee, but Terry wonders if that's the *best* way to decide.



Everything changes and nothing remains still is Plato's interpretation of an aphorism of Heraclitus. It applies to most aspects of our work, particularly what we teach. How does your department decide what should go into its courses? And how does it deal with the fact that everything changes? I'm guessing that you have a committee charged with these tasks. That's been the case with most of the places at which I've taught. After all, colleges and universities usually have a high-level committee for approving the content of their courses, and the natural response of a department is to convene its own committee to deal with these matters. Committees share responsibility, they can ensure that all interested parties contribute to its deliberations, they can aim for and sometimes achieve consensus, and they can be much more efficient than general meetings at doing these things.

Ideally.

In my experience it rarely works this way for courses. Here are some of the ways I've seen course change without the course committee playing a meaningful role.

The department makes an appointment, typically of a person expert in an area new to it, and part of the deal is that the appointee teaches in their new area, initially or in perpetuity.

Alternatively, someone teaches a one-off course on a new topic, and audience reaction is sufficiently positive that they get asked to repeat it as a permanent part of the course offering.

A third strategy is this. One faculty member argues strongly that the department ought to have a course on some particular topic, say X, and eventually the chair says: okay, *you* teach a course on X! Chairs can, and do, act like this.

I've seen all of these approaches to change. One feature they share is that they are all likely to result in a new course being taught by someone who knows the topic fairly well, and feels passionate about it. By contrast, the course committee approach could end up deciding that it's time the department had a course on Y — that important topic which has been a glaring omission from its offering for years — and then someone gets drafted to teach Y. In general we are masters of just a few parts of our discipline, and journeymen in the remainder. If we are asked by our chair to teach a course on Y, we'll probably say *Yes!* as we are good citizens, but there are risks with this strategy.

I was led to think about all this after a recent visit to a university to give a couple of lectures. While we were out to lunch I was asked what I thought was the most important advance in statistics in the last 20 years, and what did I think it would be in the next 20 years. These questions led me to choke on my sandwiches, so I stalled. I eventually offered some sort of answer (*TINSTAAFL*) and then enquired why was I being asked such questions. The reply was that these questions were commonly posed each year to visiting lecturers, to help the department form an idea of what outside experts think is important in statistics. The implication was that my reply might feed into course change, the matter we discussed next.

After the visit I started wondering whether this is a good way to decide what to teach, and concluded that it isn't: it's a bit too close for my liking to the popular notion of "wisdom of the crowd."

Here are a couple of questions for you. Is the committee approach to courses the best way to decide what a department should teach? If you answer *Yes!* do you think that the next step is to hand the syllabus to a suitable faculty member, and say, "Go to it!"?

And here's a question for me. What if most top schools have a course that covers topic Z, and my department doesn't? Is this an argument for us doing something about it? My first answer is no, reasoning that in preparing our course offering, we make choices concerning what to do and what not to do, and it's these choices that characterize us. However, I realize that this is not an entirely satisfactory answer, as it ignores student opinion, and the outside world into which our students must pass.

So far I've talked about entire courses. A much harder matter is making small-scale changes to core courses, e.g., tossing out MVUBEs and bringing in M-estimates. Everyone has opinions on such matters, and agreement can be very hard to reach — the reason, I believe, why so many outdated topics stay around for so long.

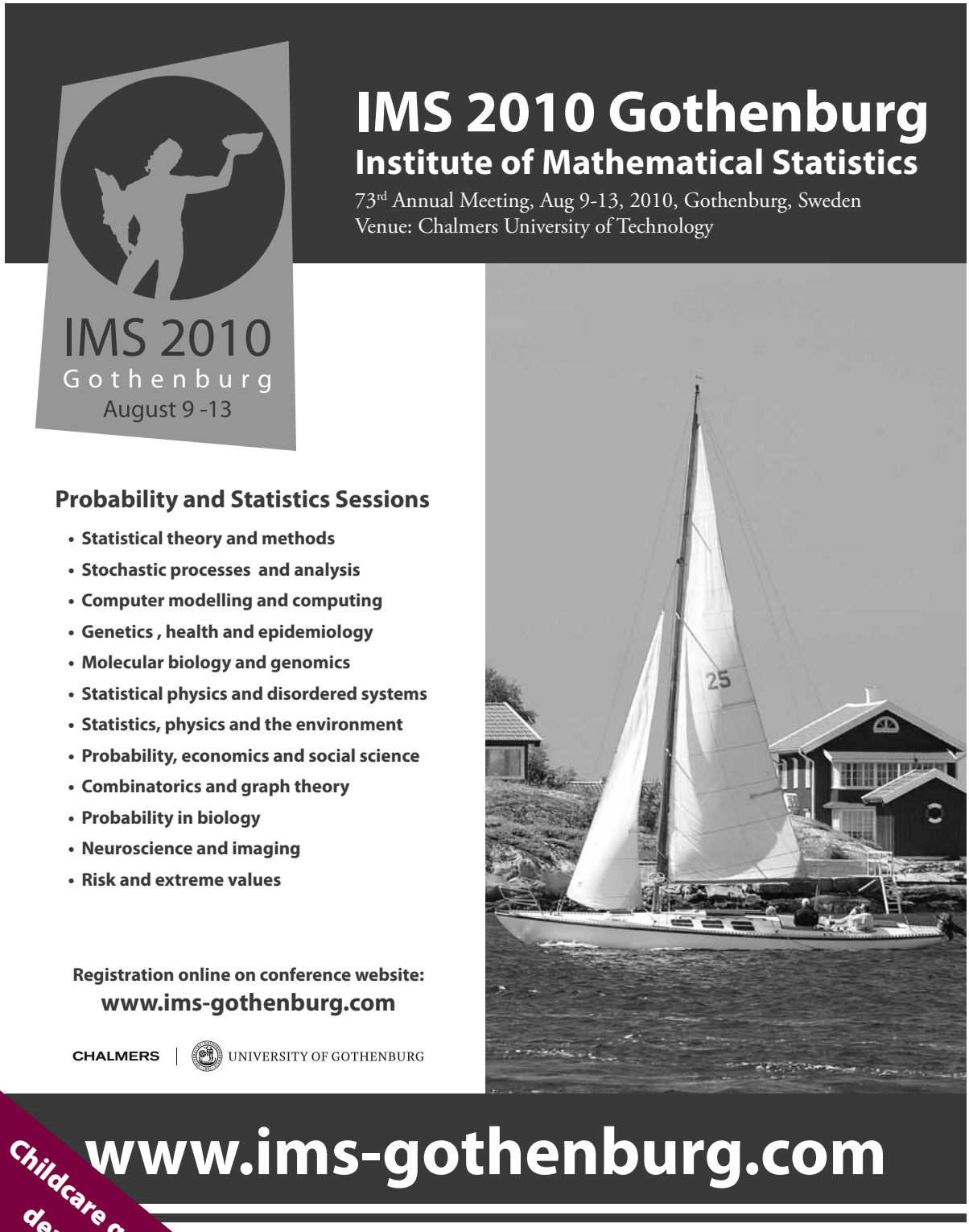
What's my solution? Keep course outlines general, allow individuals flexibility in their teaching, let them take risks. Down with course committees!

The wisdom of terns? A flock at the Port of San Diego

http://www.portofsandiego.org/

IMS meetings around the world

IMS-sponsored meeting



Childcare grant available: deadline June 1

At a glance: forthcoming IMS Annual Meeting and JSM dates

2010

JSM: Vancouver, Canada, **July 31–August 5, 2010**

IMS Annual Meeting: Gothenburg, Sweden, **August 9–13, 2010**

2011

IMS Annual Meeting @ JSM: Miami Beach, FL, **July 30–August 4, 2011**

2012

IMS Annual Meeting @ World Congress: İstanbul, Turkey, **July 9–14, 2012**

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

2013

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

2014

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

JSM: Boston, MA, **August 2–7, 2014**

More IMS meetings around the world

IMS sponsored meeting

JSM2010

July 31 – August 5, 2010

Vancouver, British Columbia, Canada

w www.amstat.org/meetings/jsm/2010/

The 2010 Joint Statistical Meetings will be held at the Vancouver Convention Center. Registration and hotel reservations open on April 29, 2010 at the website. Abstract submission is now closed.

The IMS program chairs are Regina Liu, Rutgers (rliu@stat.rutgers.edu), for invited sessions, and Mu Zhu, University of Waterloo, Canada (mzhu@post.harvard.edu), for contributed sessions. If you have any questions about the JSM 2010 program, please contact them.

IMS sponsored meeting

Thirteenth Meeting of New Researchers in Statistics and Probability

July 27–30, 2010

University of British Columbia, BC, Canada

w http://www.stat.tamu.edu/~sinha/nrc2010-ims.html

The application deadline has passed.

The New Researchers' Committee of the IMS is organizing a meeting of recent PhD recipients in statistics and probability, to promote interaction among new researchers primarily by introducing them to each other's research in an informal setting. All participants are expected to give a short, expository talk or contribute a poster on their research. The meeting is to be held prior to the 2010 Joint Statistical Meetings in Vancouver, BC, Canada (see above).

Contact Samiran Sinha, Texas A&M University, **e** sinha@stat.tamu.edu

IMS co-sponsored meeting

International Conference on Robust Statistics 2010

June 28 – July 2, 2010

Prague, Czech Republic

IMS Representative(s) on Program Committees: Xuming He

w http://icors2010.karlin.mff.cuni.cz/index.html

IMS co-sponsored meeting

IMS Asia Pacific Rim Meeting

July 3–6, 2011

Tokyo, Japan

w http://www.ims-aprm2011.org/

UPDATED

The second IMS Asia Pacific Rim Meeting will take place in OMIYA Sonic City conference hall (http://www.sonic-city.or.jp/modules/english/), Tokyo, Japan during the period Sunday July 3 to Wednesday July 6, 2011. This conference is sponsored by IMS, The International Chinese Statistical Association (ICSA), The International Indian Statistical Association (IISA), The Japan Statistical Society (JSS), The Korean Statistical Society (KSS) and the Institute of Statistical Mathematics (ISM). This meeting series provides an excellent forum for scientific communications and collaborations for the researchers in Asia and Pacific Rim. It also promotes communications and collaborations between the researchers in this area and those from other parts of the world. The program covers a wide range of topics in statistics and probability, presenting recent developments and the state of the art in a variety of modern research topics and in applications. Plenary speakers are Professor

Peter Hall (University of Melbourne, Australia), and Professor S.R.S. Varadhan (New York University, USA). A number of celebrated scholars will deliver distinguished lectures and invited talks in this conference. Details about distinguished lecture speakers, invited talk speakers and the key dates can be found in the website.

For more information, you may contact the program chairs: Byeong U. Park (bupark@stats.snu.ac.kr) and Runze Li (rli@stat.psu.edu).

NEW

NISS/ASA Writing Workshop for Junior Researchers: apply by June 1

JSM Vancouver: Sunday August 1 AND Wednesday August 4, 2010

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

The mentors will be former journal editors and program officers, who will critique (a portion of) the submitted material. Individual feedback will be provided at the opening session, and participants will be expected to prepare a revision. In addition to the individual feedback, there will be a one-day session of general instruction in effective writing techniques and a follow-up lunch.

The one-day session is scheduled for Sunday, August 1, in Vancouver, BC. At the end of the session, mentors will meet with participants to go over the writing samples they submitted. The participants will prepare a revision of the critiqued portion of their paper and give it to their mentor by Tuesday evening, August 3. A lunch will be held on Wednesday, August 4, by which time the participants will receive additional feedback on their revisions. The lunch will also be used to provide general feedback to the participants, mentors, and organizers.

Attendance will be limited and will depend on the number of mentors available. Apply online at http://www.amstat.org/meetings/wwjr/index.cfm?fuseaction=main . Applications are due by June 1, 2010, and successful applicants will be notified by June 30. Applications received after June 1 will be considered if space is available. There is no fee for participation. Participants will receive lunch on Sunday, August 1, and Wednesday, August 4. **Participants must agree to attend both the Sunday session and the Wednesday lunch**. We anticipate funding for partial travel support.

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

For more information contact Keith Crank **e** keith@amstat.org

IMS co-sponsored meeting

International Workshop in Applied Probability 2010

July 5–8, 2010

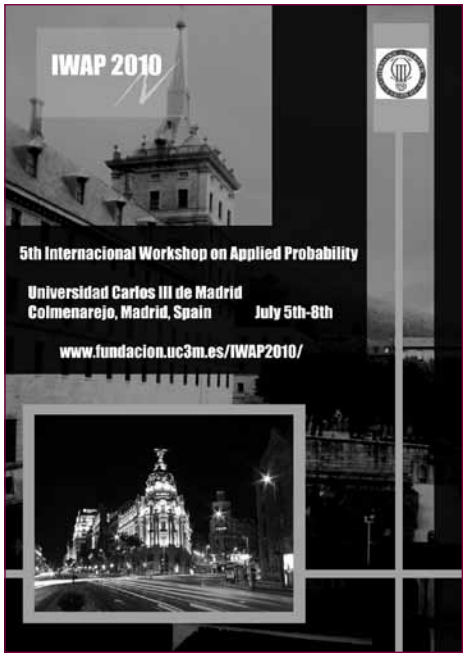
Universidad Carlos III de Madrid, Colmenarejo Campus, Spain

w http://www.fundacion.uc3m.es/IWAP2010/Index.html

The aim of this workshop is to bring together and to foster exchanges among scientists working in the applications of probability to any field. Participants are going to be encouraged to submit their contributions to the journal *Methodology and Computing in Applied Probability*, published by Springer. We are planning to publish a book of abstracts of presented articles at the workshop.

The plenary speakers include Paul Embrechts (ETH Zurich), Ricardo Fraiman (Universidad de San Andrés & Universidad de la República), Montse Fuentes (North Carolina State University), Robin Pemantle (University of Pennsylvania), Víctor de la Peña (Columbia University), Michael Steele (University of Pennsylvania) and Mihail Zervos (London School of Economics). The Scientific Program Committee includes leading scientists in diverse areas of research in probability from all over the world, that will ensure a strong and a broad program and participation from scientists from all over the world. Workshop chairs are committed to encourage the participation of young scientists, women and minorities at IWAP and have made progress to achieve this goal.

This workshop will build on the successes of IWAP 2002 in Caracas, Venezuela; IWAP 2004 in Piraeus, Greece; IWAP 2006 at University of Connecticut, Storrs, USA; and IWAP 2008 in Compiègne, France. IWAP 2008 attracted about 320 researchers from all over the world. IWAP is co-sponsored by IMS, the Bernoulli Society, and Taylor and Francis Group. Universidad Carlos III de Madrid, Colmenarejo Campus, Spain, has a strong group of researchers with expertise in probability and its applications. It has fine facilities to hold the workshop and to house its participants. The local organizing committee includes faculty members of Universidad Carlos III de Madrid.



More IMS meetings around the world

IMS sponsored meeting

2012 World Congress/IMS Annual Meeting
July 9–14, 2012. Istanbul, Turkey

w http://home.ku.edu.tr/~worldcong2012/

The eighth World Congress in Probability and Statistics will be organized by Koç University in Istanbul from July 9 to 14, 2012. This event is the 8th World Congress of the Bernoulli Society jointly organized with the 2012 Annual Meeting of the Institute of Mathematical Statistics. Scheduled every four years, this meeting is a major worldwide event in mathematical statistics, probability, stochastic processes and their applications. It features the latest scientific developments in these fields.

The program will cover a wide range of topics in mathematical statistics and probability, presenting recent developments and the state of the art in a variety of modern research topics and in applications, and featuring several special plenary lectures presented by leading specialists. In addition, there will be invited sessions highlighting topics of current research interests as well as a large number of contributed talks and posters.

The venue of the meeting is Koç University located in Istanbul, which is a vibrant, multi-cultural and cosmopolitan city bridging Europe and Asia. Istanbul has a unique cultural conglomeration of east and west, offering many cultural and touristic attractions, such as Hagia Sophia, Sultanahmet, Topkapı Palace and Maiden's Tower. On behalf of the Scientific Program and Local Organizing Committees, we invite you to join us in Istanbul for this exciting scientific event.

IMS sponsored meeting

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

w TBC

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

Sydney Opera House, one of the world's iconic buildings

IMS co-sponsored meeting

Modeling High Frequency Data in Finance II
June 24–27, 2010
Stevens Institute of Technology, Hoboken, NJ, USA

IMS Representative(s) on Program Committees: Ionut Florescu, Frederi Viens

w http://kolmogorov.math.stevens.edu/conference2010/

This is a joint conference (Stevens Institute of Technology, University of Texas at El Paso and Purdue University) in high frequency data modeling.

The purpose of this conference is to improve the models used to analyze high-frequency financial data. Tools available from a variety of areas such as statistics, stochastic processes, statistical mechanics, clustering, and systems will be exposed. Academics, industry professionals, and government regulators will meet:

- to collaborate, with the goal of advancing the quality of research currently under development in the field,
- to exchange information about practical applications of data modeling to algorithmic trading and high frequency trading,
- to open doors for future collaboration and networking

Details on the website above.

IMS co-sponsored meeting

Sixth Cornell Probability Summer School
July 19–30, 2010
Cornell University, Ithaca, NY

w http://www.math.cornell.edu/~durrett/CPSS2010/index.html

The scientific program is organized by Laurent Saloff-Coste. The theme is heat kernels.

The main speakers, who will give six lectures each, are Martin Barlow, Bruce Driver, and Alexander Grigoryan. Two lecture series will be given by Sasha Bendikov, Z.Q. Chen, Masha Gordina, and Takashi Kumagai.

IMS co-sponsored meeting

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

The school will be concerned with probability problems that arise from statistical physics.

The main speakers are Marek Biskup, Geoffrey Grimmett, and Greg Lawler.

IMS co-sponsored meeting (NSF-CBMS)

Bayesian Nonparametric Statistical Methods: Theory and Applications
August 16–20, 2010
Santa Cruz, CA, USA

w www.ams.ucsc.edu/CBMS-NPBayes

Main lecturer: Peter Müller (MD Anderson Cancer Center). In addition to the ten lectures delivered by Dr. Muller, four invited speakers will deliver complementary two-hour lectures: Michael Jordan (UC Berkeley), Peter Hoff (University of Washington), Wesley Johnson (UC Irvine) and Tim Hanson (University of Minnesota). Local organizers are Abel Rodriguez and Athanasios Kottas.

IMS co-sponsored meeting (NSF-CBMS)

Recent Advances in the Numerical Approximation of Stochastic Partial Differential Equations
August 9–13, 2010
Chicago, IL, USA

w http://math.iit.edu/~spde2010/index.html

IMS co-sponsored meeting

International Workshop on Emerging Issues and Challenges to Statistics
December 17–18, 2010
Xiamen University, Fujian, P.R. China

IMS Representative(s) on Program Committees: Jiayang Sun

w http://www.southalabama.edu/iweics/

Important Dates:

May 15, 2010: early registration starts.

August 15, 2010: deadline for contributed paper abstract submission

September 1, 2010: deadline for early registration.

IMS co-sponsored meeting

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

w TBC

IMS co-sponsored meeting

2011 ENAR/IMS Spring Meetings
March 20–23, 2011
Hyatt Regency Miami, Florida, USA

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

IMS co-sponsored meeting

2012 ENAR/IMS Spring Meetings
April 1–4, 2012
Hyatt Regency Washington on Capitol Hill
Washington DC, USA

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

IMS co-sponsored meeting

International Conference on Statistics and Society
July 10–12, 2010
Renmin University of China, Beijing, China

w http://stat.yale.edu/Conferences/ICSS2010/index.html

IMS Rep: Harrison Zhou

We are pleased to announce the international conference on Statistics and Society at Renmin University of China in Beijing, China, in conjunction with biannual meeting series International Forum on Statistics from Renmin University of China and Frontiers of Statistics from Chinese Academy of Science.

Plenary speakers: Peter J. Bickel, Lawrence D. Brown, Stephen E. Fienberg, Peter G. Hall, Iain Johnstone (TBA), Zhiming Ma, Lawrence Shepp, David O. Siegmund, Bernard Silverman, Michael S. Waterman, Wing Hung Wong.

Scientific Committee co-chairs: Lawrence Brown, Jianqing Fan, Zhiming Ma, Wei Yuan.

All information, registration forms, accommodations, etc. is available online at the meeting website above. Online Registration Period: March 1, 2010 - April 30, 2010

If you live in China, contact Professor Wei Yuan (wyuan@ruc.edu.cn) for more information. If you live in other countries, send your enquiries in English to Professor Harrison Zhou (huibin.zhou@yale.edu).

IMS co-sponsored meeting

34th Conference on Stochastic Processes and their Applications
September 6–10, 2010
Osaka, Japan

w http://stokhos.shinshu-u.ac.jp/SPA2010/

To be held in Osaka, Senri life center, from 6–10 September, 2010. The conference is organized under the auspices of the Bernoulli Society for Mathematical Statistics and Probability and co-sponsored by the Institute of Mathematical Statistics. It is the major annual meeting for researchers working in the field of Stochastic Processes.

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

Osaka Castle: photo by Joop Dorresteijn/Wikimedia

More IMS meetings around the world

IMS co-sponsored meeting

CRiSM–P@W Workshop: Orthogonal Polynomials, Applications in Statistics and Stochastic Processes

July 12–15, 2010

University of Warwick, UK

w http://www2.warwick.ac.uk/fac/sci/statistics/crism/workshops/orthogonal-polynomials

The workshop aims to bring together a wide variety of scientists who have made important contributions to the theory and applications of Orthogonal Polynomials, with the purpose of investigating the frontiers of the theory and the possibilities of its extension and further applicability in Statistics and Probability.

Topics that are aimed to be covered include: Canonical correlation analysis for copulae, Spectral analysis of discrete and continuous Stochastic Processes and Hypergroups, Random Matrices and Random Covariance Functions.

Invited speakers who have already accepted our invitation include: Igor Borisov (Sobolev Inst.), Stephen Evans (Berkeley) , Patrik Ferrari (Bonn), Mourad Ismail (UCF), Kshitij Khare (USF), Angelo Koudou (Nancy), Arno Kujilaars (Leuven), Rupert Lasser (Munchen), Gerard Letac (Toulouse), Neil O'Connell (Warwick), Eric Rains (CalTech), Evgeny Strahov (Jerusalem), Pierre Van Moerbecke (Louvain), Michael Voit (Dortmund) Jacek Wesolowski (Warsaw), Ryszard Zswarc (Wroclaw).

To participate, please complete the application form which can be found at the meeting website, where you can also submit a title and an abstract for a contributed talk/poster.

CRiSM aims to provide financial support to encourage the participation of interested career-young academics, PhD students and Postdoctoral Fellows. See the website for more information.

Organisers of the workshop are:
Persi Diaconis diaconis@math.stanford.edu
Bob Griffiths griff@stats.ox.ac.uk
Dario Spanò d.spano@warwick.ac.uk
Jon Warren j.warren@warwick.ac.uk
Nykos Zygouras n.zygouras@warwick.ac.uk

Wikipedia says: Warwick Castle is a medieval castle in Warwick, the county town of Warwickshire, England. It sits on a bend on the River Avon. The castle was built by William the Conqueror in 1068 within or adjacent to the Anglo-Saxon burh of Warwick. It was used as a fortification until the early 17th century, when Sir Fulke Greville converted it to a country house. It was owned by the Greville family, who became earls of Warwick in 1759, until 1978. In the 17th century the grounds were turned into a garden. It is now run by Tussauds as a tourist attraction.

Photo: Gernot Keller www.gernot-keller.com

IMS co-sponsored meeting

Stochastic Methods in Game Theory

September 8–16, 2010

Erice, Sicily, Italy

w http://space.luiss.it/stochastic-workshop/

IMS Representative on Program Committees: Marco Scarsini

Many decision problems involve elements of uncertainty and of strategy. Most often the two elements cannot be easily disentangled. The aim of this workshop is to examine several aspects of the interaction between strategy and stochastics. Various game theoretic models will be presented, where stochastic elements are particularly relevant either in the formulation of the model itself or in the computation of its solutions.

For more information please send an email to erice2010@luiss.it

IMS co-sponsored meeting

International Chinese Statistical Association 2010 Conference: Frontiers of Interdisciplinary and Methodological Statistical Research

December 19–22, 2010

Guangzhou University, Guangzhou, China

w http://www.icsa2.org/Intl_2010/

Program co-chairs: Bin Yu and Zhi-Ming Ma. Contributed paper deadline: September 1, 2010

Please send your meeting announcement to **erg@imstat.org**

IMS co-sponsored meeting

First Announcement: Fourth International IMS/ISBA Joint Meeting "MCMSki III": Markov Chain Monte Carlo in Statistical Science
January 5–7, 2011
The Canyons Resort, Park City, Utah, USA

w http://madison.byu.edu/mcmski/index.html

Following the success of the first three joint international meetings of IMS and ISBA (the International Society for Bayesian Analysis) held in Isla Verde, Puerto Rico, and Bormio, Italy, the fourth such joint meeting will be held at The Canyons in Park City, Utah, USA on January 5–7, 2011. The unifying theme of the conference will be MCMC and its impact on the practice of statistical science in diverse areas, such as genetics, genomics, environmental health, epidemiology, and so on. However, since this is a joint meeting of two diverse organizations, talks on a wide variety of topics (both Bayesian and non-Bayesian) will be presented.

Each day will begin with a 50-minute talk by a plenary speaker, immediately followed by an invited session, then lunch, and then an afternoon break (where skiing/snowboarding will be among the options). Following the break will be another invited session, then dinner and posters; in short, "Valencia style" with ski/spa time replacing the usual beach time. There will also be a pre-conference "satellite" meeting on adaptive and other advanced MCMC methods on January 3–4, with Prof. Christian Robert again serving as lead organizer (see below).

We are very fortunate to have the following three outstanding plenary speakers: Nicky Best, Imperial College London and St. Mary's Hospital; Michael Newton, University of Wisconsin; and Jeffrey Rosenthal, University of Toronto. In addition, the members of the program committee (see below) have assembled an invited program that is as attractive as the conference venue, with sessions on: *Modeling Dependence for High-Throughput Data; Advances in MCMC for Genomics; Bayesian versus Frequentist Approaches in Observational Studies; Environmental Health Statistics;* and *MCMC for Computationally-Intensive Inverse Problems.*

The meeting will take place at the conference center at The Canyons resort, located approximately 40 minutes from Salt Lake City airport and readily accessible by public transport. The airport is a hub for Delta Airlines.

We anticipate obtaining grant support from various federal sources to help subsidize the cost of attending MCMSki III for young investigators (persons within 5 years of receiving PhD) presenting talks or posters at the meeting. In addition, ISBA has committed support for young researchers, with preference to senior/advanced students active in research, and preferentially to students from economically disadvantaged countries.

Further details, including registration fees, hotel accommodation, and social events, are available from the official conference website. Conference registration will be available soon.

All papers presented at the conference (either invited or contributed) will be eligible for publication in the official journal of ISBA, *Bayesian Analysis*, following a refereeing process; see http://ba.stat.cmu.edu for details.

Program Committee:

Conference co-chairs: Brad Carlin, University of Minnesota, and Antonietta Mira, University of Insubria
Local Arrangements Chair: Shane Reese, Brigham Young University
Other members: Clelia DiSerio, Montserrat Fuentes, Sander Greenland, David Higdon, Peter Müller, Giovanni Parmigiani

IMS co-sponsored meeting

AdapSki III, the satellite meeting to MCMSki III
January 3–4, 2011
The Canyons, Park City, Utah, USA

w http://www.maths.bris.ac.uk/~maxca/adapskIII/

IMS Reps: Christophe Andrieu, Christian Robert

This workshop is intended to provide an updated snapshot of the methodological and theoretical advances in Monte Carlo methods with an emphasis on adaptive Monte Carlo methods in the broad sense (adaptive MCMC, adaptive population Monte Carlo, and various breeds of adaptive importance sampling amongst others), that is, algorithms that attempt to automatically optimize their performance to a given task. The workshop will consist of 4 half-day sessions on 3rd and 4th January and one or two poster sessions and will be held at The Canyons. There will be breaks on both afternoons in order to allow both informal discussions and relaxation (skiing!). There will be one or two informal poster sessions. If you would like to present a poster, please submit a short abstract to Christian Robert **e** xian@ceremade.dauphine.fr or Christophe Andrieu **e** c.andrieu@bris.ac.uk. Please note that registration to the workshop is mandatory if you are planning to present a poster.

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THE ANNALS *of* APPLIED STATISTICS

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Special Section on Network Modeling

Articles

Continued on back cover

Vol. 4, No. 1—March 2010

Other meetings around the world

Advances in superprocesses and nonlinear PDEs
June 24–26, 2010
Department of Mathematics, University of Colorado at Boulder
w http://euclid.colorado.edu/~wakefien/Conf/conference.html
On the occasion of Professor Kuznetsov's 60th birthday, an international conference is being organized at Boulder. Note that there will be a few more speakers added on the web site soon. Topics: measure-valued processes, PDEs, SPDEs and more.
Organized by Janos Englander and Brian Rider.

Workshop on 'Fourier meets Wavelets in Statistics'
September 6–7, 2010
Karlsruhe Institute of Technology, Germany
w http://mspcdip.mathematik.uni-karlsruhe.de/Workshop_Fourlet10/
The aim of this workshop is to bring together statisticians working on Fourier or Wavelet based methods. For more information on the workshop please visit the website or contact fourlet10@stoch.uni-karlsruhe.de.

The XXV International Biometric Conference (IBC)
December 5–10, 2010
Federal University of Santa Catarina, Florianópolis, SC, Brazil
w www.ibc-floripa-2010.org
The XXV IBC will bring together 800 statisticians and others interested in the development and application of statistical and mathematical theory and methods to the biosciences. Includes oral and poster presentations of methodological advance, applications to specific subject-matter challenges and educational offerings. The 2010 event is the 25th anniversary of the conference, and includes special celebratory events.

65th Annual Deming Conference on Applied Statistics
December 5–10, 2010
Atlantic City, NJ
w www.demingconference.com
The purpose of the three-day Deming Conference on Applied Statistics is to provide a learning experience on recent developments in statistical methodologies. The conference is followed by two parallel short courses on: (1) *Bayesian Adaptive Methods and Software for Clinical Trials* by Prof. Brad Carlin, University of Minnesota, and Scott Berry, Berry Consultants; and (2) *SAS for Mixed Models* by Profs. Ramon Littell, University of Florida and Walter W. Stroup, University of Nebraska. The conference is composed of twelve three-hour tutorials on current statistical topics of interest. The conference sells its speakers' books at 40% discount.

Borrowing Strength: Theory Powering Applications
A Conference in Honor of Lawrence Brown's 70th Birthday
December 15–17, 2010
University of Pennsylvania, Philadelphia, USA
w http://stat.wharton.upenn.edu/~zhangk/BS/index.htm

First International Conference on the
Theory and Applications of Statistics
December 26–28, 2010
University of Dhaka, Dhaka, Bangladesh
w http://www.dusdaa.org/conference2010
Organized by the Dhaka University Statistics Department Alumni Association (DUSDAA)
Theme: *New Challenges to Statistical Theory and Applications*
The Department of Statistics at the University of Dhaka, one of the oldest departments of statistics in the world, was founded 60 years ago by the late National Professor Qazi Motahar Husain, one of the most outstanding personalities in the history of Bangladesh. The department continues to produce statisticians who are teaching at universities or working in industries and research institutions both at home and in many countries of the world. On the occasion of the 60th anniversary of the founding of the department, this is the first attempt to bring statisticians together from all over the world to explore and discuss the new developments of statistical theory and applications in teaching, research, and the use of statistics in government and non-government policymaking, with particular focus on developing countries like Bangladesh. With this in mind, we invite reputed statisticians from home and abroad to participate in this conference. This conference will focus on cutting-edge topics relating to recent developments in the broad field of statistics.

The conference will include keynote speeches, plenary sessions, invited paper sessions, and contributed paper sessions. In addition, there will be workshops on some special topics of current research interest. Over the three days there will be three parallel sessions for invited and contributed papers.

The deadline for submitting abstracts for contributed papers is July 15, 2010. For further information on topics, registration, accommodation etc, please visit the website or contact anyone below:
Dr M. Ataharul Islam, Convener **e** mataharul@yahoo.com
Dr Jafar A. Khan, member of the Convening Committee
e jkhan66@gmail.com.
Dr Mir Masoom Ali, Chair of the International Committee
e mali@bsu.edu

Employment Opportunities around the world

Canada: St. John's, Newfoundland & Labrador

Memorial University of Newfoundland Department of Mathematics & Statistics

Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=6723148

Cyprus

University of Cyprus

Department of Mathematics and Statistics

The Department of Mathematics and Statistics of the University of Cyprus invites applications for one position in the field of Probability-Statistics at the rank of Lecturer or Assistant Professor.

The official languages of the University are Greek and/or Turkish. For the above position knowledge of Greek is necessary.

The deadline for applications is July 16, 2010. For more information, see http://www.ucy.ac.cy/goto/mathstatistics/el-GR/Vacancies.aspx

United Kingdom: London

University College London

Lecturers in Statistics

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=6731362

United Kingdom: Bristol

University of Bristol

Lecturer/Senior Lecturer/Reader in Social Statistics

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=6774797

United Kingdom: Bristol

University of Bristol

Lectureship in Statistics

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=6799185

United States: Ft. Lauderdale, FL

Nova Southeastern University College of Osteopathic Medicine

Biostatistics/Public Health

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=6577816

International Calendar of Statistical Events

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

June 2010

IMS June 3–4: University of Wisconsin, Madison. **Statistical Science—Making a Difference e** 50th@stat.wisc.edu **w** http://www.stat.wisc.edu/Department/50th_Anniversary/50th.html

June 3–4: Clamart, Paris, France. **Workshop on Industry & Price Forecasting (WIPFOR) e** wipfor@edf.fr **w** http://www.wipfor.org

June 3–6: Samos, Greece. **6th Conference in Actuarial Science & Finance. w** http://www.actuar.aegean.gr/samos2010/

July 5–7: Québec, Canada. **Water2010. w** http://www.water2010.org/index.html

June 5–8: Shanghai Finance University, China. **19th International Workshop on Matrices and Statistics (IWMS 2010). w** www1.shfc.edu.cn/iwms/index.asp

June 5–12: McGill University, Canada. **Summer School in Statistics and Probability w** http://www.math.mcgill.ca/probability_and_statistics/school

June 8–11: Chania, Crete. **Stochastic Modeling Techniques and Data Analysis (SMTDA2010). w** http://www.smtda.net/

June 10–12: National Taiwan University, Taipei, Taiwan. **2010 International Symposium on Financial Engineering and Risk Management (FERM2010) e** ferm2010.prog@gmail.com or ferm2010.local@gmail.com **w** http://www.fin.ntu.edu.tw/~ferm2010/

June 11: Collegio Carlo Alberto, Moncalieri, Italy. **Carlo Alberto Stochastics Workshop e** stats@carloalberto.org **w** http://www.carloalberto.org/stats_workshop

IMS June 13–16: Peking University, China. **From Markov Processes to Brownian Motion and Beyond: International Conference in Memory of Kai Lai Chung. w** TBC

June 14–17: Voss, Norway. **23rd Nordic Conference on Mathematical Statistics (NORDSTAT 2010). w** www.nordstat2010.org

June 15–18: Stanford University, CA, USA. **MMDS 2010: Workshop on Algorithms for Modern Massive Data Sets e** mmds-organizers@math.stanford.edu **w** http://mmds.stanford.edu

June 16–18: Bristol, UK. **Sparse structures: statistical theory and practice w** http://www.sustain.bris.ac.uk/ws-sparsity/

June 16–18: Padua, Italy. **45th Scientific Meeting of the Italian Statistical Society. w** http://www.sis-statistica.it/meetings/index.php/sis2010/sis2010

IMS June 20–23: Seattle, Washington. **2010 WNAR/IMS Meeting w** www.wnar.org

June 20–25: Margarita Island, Venezuela. **TIES2010: 21st Annual Conference of The International Environmetrics Society. w** http://www.cesma.usb.ve/ties2010/default_10.html

June 21–24: Cavtat, Croatia. **32nd International Conference on Information Technology Interfaces. w** http://iti.srce.hr/

June 21–25: Isaac Newton Institute, Cambridge University, UK. **Simulation of Networks workshop** and **Statistics of Networks workshop. w** http://www.newton.ac.uk/programmes/SCS/ws.html Also **8th Int'l Workshop on Rare Event Simulation (RESIM)** on June 21–22 **w** http://www.newton.ac.uk/programmes/SCS/resim.html

June 21 – July 10: Seattle, Washington. **PIMS 2010 Summer School in Probability w** http://pims2010.web.officelive.com/default.aspx

NEW June 24–26: University of Colorado at Boulder. **Advances in superprocesses and nonlinear PDEs w** http://euclid.colorado.edu/~wakefien/Conf/conference.html

IMS June 24–27: Stevens Institute of Technology, Hoboken, NJ, USA. **Modeling High Frequency Data in Finance II. w** http://kolmogorov.math.stevens.edu/conference2010/

June 25–26: Singapore. **Probability Approximations and Beyond: A conference in honor of Louis Chen on his 70th birthday. w** http://www.stat.nus.edu.sg/Web/events/louischenconference.html

June 28 – July 1: Bristol, UK. **Statistical modelling and inference for networks (Statworks). e** stat-works@bristol.ac.uk **w** http://www.sustain.bris.ac.uk/ws-statworks

IMS June 28 – July 2: Prague, Czech Republic. ICORS10. **w** http://icors2010.karlin.mff.cuni.cz

June 29 – July 1: Palmerston North, New Zealand. **International Conference on Probability Distributions and Related Topics in conjunction with NZSA Conference. w** http://nzsa_cdl_2010.massey.ac.nz/

Continues on **page 24**

International Calendar *continued*

June 2010 continued

June 30 – July 2: Santiago de Compostela, Spain. **5th International Workshop on Spatio-Temporal Modelling** (METMAV). **w** http://eio.usc.es/pub/metma/

July 2010

 July 5-8: Universidad Carlos III de Madrid, Colmenarejo Campus, Spain: **International Workshop in Applied Probability 2010. w** http://www.fundacion.uc3m.es/IWAP2010/Index.html

July 5–9: Slovenia. **ISBIS-2010, International Symposium for Business & Industrial Statistics.** Contact Milena Zeithamlova **e** Milena@action-m.com **w** www.action-m.com/isbis2010

July 6–8: Leeds, UK. **LASR 2010: High-Throughput Sequencing, Proteins and Statistics. e** workshop@maths.leeds.ac.uk **w** http://www.maths.leeds.ac.uk/lasr2010/

 July 10–12: Renmin University of China, Beijing, China. **International Conference on Statistics and Society. w** http://stat.yale.edu/Conferences/ICSS2010/index.html

July 11–13: Zagazig, Egypt. **Ninth International Conference on Ordered Statistical Data and Their Applications. w** http://www.stat.osu.edu/~hnn/osda2010.html

July 11–16: Ljubljana, Slovenia. **ICOTS08: Data and context in statistics education: towards an evidence-based society. w** http://icots8.org/

 July 12–15: University of Warwick, UK. **CRiSM–P@W Workshop: Orthogonal Polynomials, Applications in Statistics and Stochastic Processes. w** http://www2.warwick.ac.uk/fac/sci/statistics/crism/workshops/orthogonal-polynomials

July 12–16: Edinburgh, Scotland. **11th International Meeting on Statistical Climatology. w** http://cccma.seos.uvic.ca/imsc/11imsc.shtml

July 12-23: SAMSI, Research Triangle Park, NC. **2010 Summer Program on Semiparametric Bayesian Inference: Applications in Pharmacokinetics and Pharmacodynamics w** http://www.samsi.info/programs/2010bayes-summer-program.shtml

 July 18–31: Ithaca, NY. **Sixth Cornell Probability Summer School. w** http://www.math.cornell.edu/~durrett/CPSS2010/

July 19–23: University of Warwick, UK. **Probability at Warwick: Young Researchers Workshop. w** www.warwick.ac.uk/go/paw/paw2010

July 20–23: Leicester, UK. **Accuracy 2010: Ninth International Symposium on Spatial Accuracy Assessment in Natural Resources and Environmental Sciences w** http://www.accuracy2010.org/

July 26–30: Dresden, Germany. **6th International Conference on Lévy Processes: Theory and Applications. w** www.math.tu-dresden.de/levy2010

 July 27–30: Vancouver, Canada. **13th North American Meeting of New Researchers in Statistics and Probability**. Contact Samiran Sinha **e** sinha@stat.tamu.edu

July 27–31: Tomar, Portugal. **LinStat2010.** Francisco Carvalho: **t** +351 249 328 100; **f** +351 249 328 186; **e** fpcarvalho@ipt.pt **w** www.linstat2010.ipt.pt

July 28–30: Seattle, Washington. **From Probability to Statistics and Back: High-Dimensional Models and Processes Conference w** http://www.stat.washington.edu/events/jaw-conf-2010/index.html

 July 31–August 5: Vancouver, British Columbia, Canada. **JSM2010. w** www.amstat.org/meetings/jsm/2010/

August 2010

 August 1&4, 2010: Vancouver. **NISS/ASA Writing Workshop for Junior Researchers:** apply by June 1 **w** http://www.amstat.org/meetings/wwjr/index.cfm?fuseaction=main

August 8–13: Maresias, Brazil. **7th Conference on Multivariate Distributions with Applications w** http://www.ime.usp.br/~mda

 August 9–13: Gothenburg, Sweden. **IMS Annual Meeting 2010. w** www.ims-gothenburg.com

 August 9–13: Chicago, IL, USA. **Recent Advances in the Numerical Approximation of Stochastic Partial Differential Equations. w** http://mypages.iit.edu/~duan/SPDE2010.html

August 13–17: Indian Statistical Institute, Bangalore, India. **Conference on Probability and Stochastic Processes** *[Satellite to ICM2010]* **w** http://www.isibang.ac.in/~statmath/icmprobsat/

August 16–20: Santa Cruz, CA, USA. **Bayesian Nonparametric Statistical Methods: Theory and Applications. w** www.ams.ucsc.edu/CBMS-NPBayes

August 17–18: Hyderabad, India. **ICWM 2010: International Conference of Women Mathematicians** *[Satellite to ICM2010]* **w** http://www.icm2010.org.in/icwm2010.php

August 17–22: University of Piraeus, Greece. **European Meeting of Statisticians 2010. w** http://stat.unipi.gr/ems2010

August 19–27: Hyderabad, India. **International Congress of Mathematicians 2010**. Program Committee Chair: Prof. Hendrik W. Lenstra, Leiden University **w** http://www.icm2010.org.in/

August 22-27: Paris, France. **COMPSTAT 2010: 19th International Conference on Computational Statistics. w** http://www.compstat2010.fr/

August 25–28: Lefkada, Greece. **Greek Stochastics Meeting 2010 w** http://www.stochastics.gr/

August 30 – September 3: Prague, Czech Republic. **Prague Stochastics 2010. e** pragstoch@utia.cas.cz **w** www.utia.cas.cz/pragstoch2010

September 2010

NEW September 6–7: Karlsruhe Institute of Technology, Germany. **Workshop on 'Fourier meets Wavelets in Statistics' w** http://mspcdip.mathematik.uni-karlsruhe.de/Workshop_Fourlet10/

September 6–10: Osaka, Japan. **34th Stochastic Processes and their Applications. w** http://stokhos.shinshu-u.ac.jp/SPA2010/

September 7–11: Belarusian State University, Minsk, Belarus. Computer Data Analysis and Modeling: Complex Stochastic Data and Systems **w** http://www.cdam.bsu.by

September 8–16: Erice, Sicily, Italy. **Stochastic Methods in Game Theory. w** http://space.luiss.it/stochastic-workshop/

September 13–17: Brighton, UK. **RSS 2010 International Conference w** www.rss.org.uk/rss2010

September 29 – October 2: São Pedro do Sul, Portugal. **XVIII Annual Congress of the Portuguese Statistical Society w** http://www.mat.uc.pt/~spe2010

October 2010

October 8: Paris, France. **Second HEC Finance and Statistics Conference. w** http://www.hec.fr/financeandstatistics2010

November 2010

November 8–10: Lodz, Poland. **Multivariate Statistical Analysis Conference. w** http://www.msa.uni.lodz.pl

December 2010

NEW December 5–10: Federal University of Santa Catarina, Florianópolis, SC, Brazil. **XXV International Biometric Conference (IBC) w** www.ibc-floripa-2010.org

NEW December 5–10: Atlantic City, NJ. **65th Annual Deming Conference on Applied Statistics w** www.demingconference.com

December 6–10: Fremantle, Australia. **Australian Statistical Conference 2010 w** http://www.promaco.com.au/2010/asc

NEW December 15–17: University of Pennsylvania, Philadelphia, USA. **Borrowing Strength: Theory Powering Applications.** Conference in honor of Lawrence Brown's 70th birthday **w** http://stat.wharton.upenn.edu/~zhangk/BS/index.htm

December 17–18 [NEW DATES]: Xiamen University, Fujian, P.R. China. **International Workshop on Emerging Issues and Challenges to Statistics. w** http://www.southalabama.edu/iweics/

December 19–22: Guangzhou University, Guang-Zhou, China. **2010 ICSA International Conference. w** tba

NEW December 26–28: University of Dhaka, Bangladesh. **First International Conference on the Theory and Applications of Statistics w** http://www.dusdaa.org/conference2010

January 2011

January 3–4: Park City, Utah, USA **AdapSki III, the satellite meeting to MCMSki III. w** http://www.maths.bris.ac.uk/~maxca/adapskIII/

January 5–7: Park City, UT. **MCMSki III: Markov Chain Monte Carlo in Theory and Practice w** http://madison.byu.edu/mcmski/

Continues on **page 26**

International Calendar *continued*

March 2011

March 20–23: Hyatt Regency Miami, FL. **2011 ENAR/IMS Spring Meetings. w** http://www.enar.org/meetings.cfm

June 2011

June 12–15: Wolfville, Nova Scotia, Canada. **2011 SSC Annual Meeting w** TBC

June 19–25: Oaxaca, Mexico. **35th Conference on Stochastic Processes and their Applications. w** TBC

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

July 2011

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

July 11–22: Ithaca, NY. **7th Cornell Probability Summer School. w** TBC

July 30 – August 4: Miami Beach, Florida. **IMS Annual Meeting at JSM2011.**

August 2011

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

December 2011

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

April 2012

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

June 2012

June 3–6: Guelph, Ontario, Canada. **2012 SSC Annual Meeting w** TBC

July 2012

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

July 9–14: Istanbul, Turkey. **IMS Annual Meeting 2012 in conjunction with 8th World Congress in Probability and Statistics. w** http://home.ku.edu.tr/~worldcong2012/

August 2013

August 3–8: Montréal, Canada. **IMS Annual Meeting at JSM2013. w** TBC

July 2014

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

August 2014

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

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

Membership and Subscription Information

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

Individual and Organizational Memberships:
Each individual member receives the *IMS Bulletin* and may elect to receive one or more of the five scientific journals. Members pay annual dues of $98. An additional amount is added to the dues of members depending on the scientific journal selected as follows: *The Annals of Applied Probability* ($50), *The Annals of Applied Statistics* ($50), *The Annals of Probability* ($50), *The Annals of Statistics* ($50), and *Statistical Science* ($30). Of the total dues paid, $28 is allocated to the *Bulletin* and the remaining amount is allocated among the scientific journals received. **Reduced membership** dues are available to full-time students, new graduates, permanent residents of countries designated by the IMS Council, and retired members. **Organizational memberships** are available to departments, corporations, government agencies and other similar research institutions at $150 per year. Organizational members may subscribe to the journals at an additional cost.

Individual and General Subscriptions:
Subscriptions are available on a calendar-year basis. Individual subscriptions are for the personal use of the subscriber and must be in the name of, paid directly by, and mailed to an individual. Individual subscriptions for 2010 are available to *The Annals of Applied Probability* ($153), *The Annals of Applied Statistics* ($153), *The Annals of Probability* ($153), *The Annals of Statistics* ($153), *Statistical Science* ($123), and *IMS Bulletin* ($103). General subscriptions are for libraries, institutions, and any multiple-readership use. General subscriptions for 2010 are available to *The Annals of Applied Probability* ($332), *The Annals of Applied Statistics* ($235), *The Annals of Probability* ($355), *The Annals of Statistics* ($355), *Statistical Science* ($197), and *IMS Bulletin* ($90). Airmail rates for delivery outside North America are $99/title.

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

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Information for Advertisers

General information: The *IMS Bulletin* and webpages are the official news organs of the Institute of Mathematical Statistics. The *IMS Bulletin*, established in 1972, is published 10 times per year. Circulation is over 5,000 paper copies. The *Bulletin* is also available free online in PDF format at http://bulletin.imstat.org, usually posted online about two weeks before mailout. Subscription to the *IMS Bulletin* costs $90. To subscribe, call 877-557-4674 (US toll-free) or +1 216 295 2340 (international), or email staff@imstat.org. The IMS website, http://imstat.org, established in 1996, receives over 30,000 visits per month. Public access is free.

Advertising job vacancies

A single 45-day online job posting costs $195.00. We will also include the basic information about your job ad (position title, location, company name, job function and a link to the full ad) in the *IMS Bulletin* at no extra charge. See http://jobs.imstat.org

Advertising meetings, workshops and conferences

Meeting announcements in the *Bulletin* and on the IMS website at http://imstat.org/meetings are free. Send them to Elyse Gustafson See http://www.imstat.org/program/prog_announce.htm

Rates and requirements for display advertising

Display advertising allows for placement of camera-ready ads for journals, books, software, etc. A camera-ready ad should be sent as a grayscale PDF/EPS with all fonts embedded. Email your advert to Audrey Weiss, IMS Advertising Coordinator admin@imstat.org or see http://bulletin.imstat.org/advertise

	size: width x height	rate
⅓ page	4.93″ x 4″ (125.2 x 102 mm)	$195
½ page	7.5″ x 4″ (190 x 102 mm)	$245
⅔ page	4.93″ x 8″ (125.2 x 203 mm)	$295
Full page	7.5″ x 9.4″ (190 mm x 239 mm)	$345

Deadlines and Mail Dates for *IMS Bulletin*

Issue	Deadline for advertisement	Usually online by	Scheduled mail date
1: January/February	***December 1***	December 15	January 1
2: March	***February 1***	February 15	March 1
3: April	***March 1***	March 15	April 1
4: May	***April 1***	April 15	May 1
5: June	***May 1***	May 15	June 1
6: July	***June 1***	June 15	July 1
7: August/September	***July 1***	July 15	August 1
8: October	***September 1***	September 15	October 1
9: November	***October 1***	October 15	November 1
10: December	***November 1***	November 15	December 1

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