



Bulletin



January/February 2010

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Xuming He, Editor of *IMS Bulletin*, writes about the rash of celebrations that has broken out among statistics departments:

A short while ago, the Statistics Department of North Carolina State University celebrated its sixtieth anniversary as one of the oldest major statistics departments in the United States. In 2008, Iowa State University marked the seventy-fifth anniversary of its Statistical Laboratory—in

fact, the celebrations took place in 2009, and we have an article about them on page 4—and the Statistics Department at University of Michigan marked its calendar for its fortieth birthday. The University of Illinois at Urbana-Champaign is planning to unveil its own symposium this year in observance of the twenty-fifth anniversary of the official establishment of its Statistics Department.

There is no official count on the number of Statistics Departments in the United States, let alone in the world. One thing is clear, however: the number of Statistics Departments or Programs has risen steadily in the 75 years of the IMS history. Our profession has benefited from the foresights of our professional founders like Jerzy Neyman and R.A. Fisher [Fisher's visit to the then-young Statistics Department of the University of Dhaka in Bangladesh, in 1954, is remembered on page 7], and has entered a period of maturity and diversity. Statistics has bloomed in the UK and the US, but more importantly its impact has reached almost every part of the world.

Perhaps I am getting old, to be reminiscing about the past like this. But as I read through the articles contributed by our members to this issue of the *Bulletin*, I feel proud to be a member of our profession—one with a young, but rich, history, and with the vigor and diversity to move forward. Jim Berger and Jamie Nunnally's coverage about SAMSI's plans for 2010–11 (see page 6), and Jeff Morris's introduction to a paper in the *Annals of Applied Statistics* that is creating a stir (see page 5) are just two of the pieces that I hope you will enjoy reading in this holiday season.

Whatever you are marking at this time of year, we hope your celebrations are happy!



IMS 2010 Gothenburg
Institute of Mathematical Statistics
73rd Annual Meeting, Aug 9-13, 2010, Gothenburg, Sweden

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IMS members' news

The Distinguished Lecture Series in Statistical Science (DLSS)

The Fields Institute in Toronto annually hosts the prestigious Distinguished Lecture Series in Statistical Science (DLSS). Next year's Distinguished Lecturer is **Jianqing Fan**, Frederick L. Moore Professor of Finance, Director of Committee of Statistical Studies, Department of Operation Research and Financial Engineering, Princeton University.

The lecture series is provisionally scheduled for May, and will be on the topic of *Analysis of Ultrahigh dimensional data: Spurious correlation and sparsity*.

The lecture series has been held annually since 2000, and consists of one general lecture and one more specialized lecture by an internationally prominent statistical scientist.

Past distinguished lecturers include David Spiegelhalter, Persi Diaconis, Elizabeth Thompson, Bradley Efron, David Cox, Don Dawson, Donald Fraser, and Peter Hall.

Lehigh's Everett Pitcher Lectures

The next series of Everett Pitcher Lectures will be held March 22–25, 2010, on the campus of Lehigh University in Bethlehem, Pennsylvania. The speaker will be Professor **Rick Durrett** of Cornell University. He will speak on “Three Faces of Probability,” with three lectures on:

- (i) Improbabilities (March 22),
- (ii) Life on a random graph (March 23),
and
- (iii) Cancer models (March 25).

Durrett, whose research focuses on probability problems that come from ecology and genetics, has “fathered” 40 academic children and written eight books. He was elected to the National Academy of Sciences in 2007.

The lectures, which are free and open to the public, are held in honor of Everett Pitcher, who was secretary of the AMS from 1967 until 1988. Pitcher served in the mathematics department at Lehigh University from 1938 until 1978, when he retired as Distinguished Professor of Mathematics.

For further information, contact the Everett Pitcher Lecture Series, Department of Mathematics, Lehigh University, Bethlehem, PA, 18015; telephone the department on 610-758-3731; or see the website: <http://www.lehigh.edu/~math/pitcher.html>.

Luke Bornn, a PhD student in the Department of Statistics at the University of British Columbia, Canada, has won a Michael Smith Foundation for Health Research Trainee Award. Competition for these awards was very keen this year: only 73 of the 706 applications were successful. The program supports highly-qualified Master's, PhD and Post-doctoral trainees, and prepares them for careers as independent health researchers. Luke's link to health research stems from his work on modeling space-time processes, some of which have been shown to be hazardous to human health and welfare. His research is being done with his UBC co-supervisors **Arnaud Doucet** and **Jim Zidek**.

IMS Awards: nominate or apply

IMS Fellow: nominate by **January 31**

<http://www.imstat.org/awards/fellows.htm>

Harry C Carver Medal: nominate by **Feb 1**

<http://www.imstat.org/awards/carver.html>

IMS Laha Travel Awards: apply by **Feb 1**

<http://www.imstat.org/awards/laha.html>

The deadline to submit abstracts for contributed talks online for JSM

2010 is **February 1, 2010**.

<http://www.amstat.org/meetings/jsm/2010/index.cfm?fuseaction=abstracts>



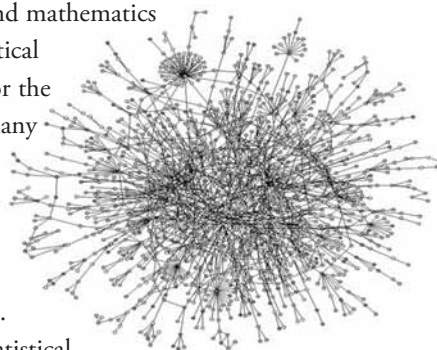
Journal News

IMS co-sponsored meeting produces special section in *Annals of Applied Statistics*

Brendan Murphy reports: The analysis of network data has become a highly active area of research activity in statistics, computer science and mathematics in recent years. An important aspect of the statistical modeling of network data involves accounting for the relationship between entities being studied. In many situations, the relationship between entities is of primary interest.

The Workshop on Statistical Methods for the Analysis of Network Data took place from June 15th to 17th, 2009 at University College Dublin. The workshop focused on the development of statistical models for the analysis of network data and their application in diverse areas. Some topics of particular interest included: inferential aspects of statistical network models, developing temporal network models, sampling and inference from sampled network data and the joint modeling data collected on entities and the relationship between the entities. The applications in these presentations were wide-ranging and included biological networks, social networks, online computer networks, and networks formed from documents.

Over fifty researchers attended the workshop from seven different countries. The presentations included seven invited talks, fifteen contributed talks and eight posters. The meeting schedule facilitated considerable discussion of the presented work both formally and informally. The meeting was associated with plans for a special section on network



Forthcoming: Special *AOAS* Section on Network Modeling

Modeling Networks from Sampled Data:

MARK STEPHEN HANDCOCK AND KRISTA JENNIFER GILE

Analysis of Correlations Among Size, Rate, and Duration in Internet Flows:

CHEOLWOO PARK, FELIX HERNÁNDEZ-CAMPOS, JAMES STEVE MARRON, KEVIN JEFFAY, AND F. DONELSON SMITH

Regularized Multivariate Regression for Identifying Master Predictors with Application to Integrative Genomics Study of Breast Cancer:

JIE PENG, JI ZHU, ANNA BERGAMASCHI, WONSHIK HAN, DONG-YOUNG NOH, JONATHAN POLLACK, AND PEI WANG

Optimal Experiment Design in a Filtering Context with Application to Sampled Network Data:

HARSH SINGHAL AND GEORGE MICHAILIDIS

modeling to appear in a 2010 issue of the IMS journal, the *Annals of Applied Statistics*.

Several of the papers to appear in the special issue were presented orally at the workshop. The list of papers accepted for the special section is at http://www.imstat.org/aoas/next_issue.html.

Full details of the workshop are available from the meeting website <http://mathsci.ucd.ie/~brendan/networks>.

IMS Editors

IMS Journals and Publications

Annals of Statistics: Susan Murphy & Bernard Silverman
<http://imstat.org/aos>

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

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

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

Statistical Science: David Madigan
<http://imstat.org/sts>

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

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

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

IMS Co-sponsored Journals and Publications

Electronic Journal of Statistics: Larry Wasserman
<http://imstat.org/ejs>

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

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

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

Journal of Computational and Graphical Statistics:
David van Dyk
<http://www.amstat.org/publications/jcgs>

Statistics Surveys: Jon Wellner
<http://imstat.org/ss>

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

IMS Supported Journals

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

Bayesian Analysis: Brad Carlin
<http://ba.stat.cmu.edu>

Bernoulli: Holger Rootzén
<http://isi.cbs.nl/bernoulli>

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

IMS Affiliated Journals

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

Probability and Mathematical Statistics: W. Szcotka,
A. Weron & W.A. Woyczyński
<http://www.math.uni.wroc.pl/~pms>

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Statistical Laboratory at Iowa State University

Song Xi Chen is Professor in the Department of Statistics at Iowa State University, which has recently celebrated a special anniversary:

The Department of Statistics at Iowa State celebrated the 75th Anniversary of the Statistical Laboratory in June with a conference. The Statistical Laboratory was established in 1933 under the direction of George W. Snedecor to promote statistical research and consulting throughout the University [*Editor's note: Yes, the 75th anniversary was actually last year, but it wasn't celebrated until now because Snedecor Hall was being renovated—see below*].

Graduate degrees with a specialization in statistics were awarded in the 1930s, and the first PhD with a major in statistics was awarded through the Mathematics Department in 1940. The Department of Statistics was founded in 1947 with 14 faculty members. Today, the Department consists of 39 faculty members, five collaborators, eight support staff, about 160 graduate students and 75 undergraduate majors. The Center for Survey Statistics and Methodology continues as a prominent unit of the Statistical Laboratory. The Statistical Laboratory also supports consulting and research in statistical methodology for engineering, social and behavioral sciences, computational sciences and data visualization.

The conference was attended by more than 200 people, many of whom were former faculty and students.

There were six plenary sessions:

David Dunson (Duke University) on “Sparse local mixture modeling using nonparametric Bayes”;

Peter Hall (University of Melbourne) on “Concept of density for functional data”;

Diane Lambert (Google) on “Statistics from Snedecor and Cochran to Google”;

Vijay Nair (University of Michigan) on “Process monitoring, anomaly detection, and beyond: new directions and applications”;

Deborah Nolan (UC Berkeley) on “Communication in statistics: the role of reproducible research and dynamic documents”; and Chris Skinner (Southampton University) on “Nonresponse in sample surveys”.

There were 15 invited sessions that covered a wide range of topics including high-dimensional data, Bayesian model selection, genomics and biological applications, engineering statistics, sample surveys and general statistical theory.

A highlight of the celebration was the re-dedication of the newly renovated Snedecor Hall, which brought much joy for the faculty, students and staff who had lived a nomadic existence for the previous year and a half while Snedecor Hall was renovated.

The conference dinner was an occasion to mark the retirement of Dean Isaacson who has been at ISU for 41 years and had been the Head of the Department of Statistics and Director of the Statistical Laboratory for 18 years.



The ribbon-cutting ceremony for the re-dedication of Snedecor Hall. Pictured, left to right, are Ken Koehler (current Chair of the Department of Statistics and Director of the Statistical Laboratory); Dean Isaacson and Herbert A. David (previous Chairs & Directors); and Gregory Geoffroy (ISU President).

Photos: Bob Elbert, University Relations, Iowa State Univ

Current and former faculty and students were among more than 200 people who celebrated 75 years of Statistics at Iowa State University



Members' Discoveries: *Fatal flaws in cancer research*

Jeffrey Morris, Associate Professor at The University of Texas MD Anderson Cancer Center, reports on the substantial impact of a paper in the *Annals of Applied Statistics*:

A recent article published in *The Annals of Applied Statistics (AOAS)* by two MD Anderson researchers—Keith Baggerly and Kevin Coombes—dissects results from a highly-influential series of medical papers involving genomics-driven personalized cancer therapy, and outlines a series of simple yet fatal flaws that raises serious questions about the veracity of the original results. Having immediate and strong impact, this paper, along with related work, is providing the impetus for new standards of reproducibility in scientific research.

In late 2006, investigators at Duke University led by Anil Potti and Joseph Nevins developed genomic signatures to predict sensitivity/resistance to particular chemotherapeutic agents. They built these signatures using publicly-available microarray and preclinical chemo-sensitivity data for a diverse series of cancer cell lines, the NCI60, and then validated these signatures using other publicly-available array datasets from patients with known clinical responses. They reported striking success using this approach with several common chemotherapeutic agents, publishing over 15 papers in the past 3 years on this topic, which led to clinical trials to test this approach to personalized cancer therapy.

Baggerly and Coombes set out to reproduce the authors' results in order to help investigators at MD Anderson use the approach. However, poor documentation turned reproduction into post-facto reconstruction, a procedure that has come to be known as "forensic biostatistics." The *AOAS* paper presents results from four of these studies, revealing errors including scrambling of gene and group (sensitive/resistant) labels, design confounding,

inclusion of genes of unknown origin, and figure duplication. One common error is the swapping of sensitive/resistant labels in the training data, leading to signatures suggesting a therapy to the patients least likely to benefit from it. There are also persistent irregularities in test sample labeling, with some samples mislabeled and others used multiple times in validation, which leads to inaccurate reports of the methods' performance. One study includes four key signature genes whose origins are unknown; they were not produced by their software, and two of them were not even on the microarrays used in the training data. One figure discussed in a recent publication duplicates a figure from an earlier publication dealing with a completely different treatment. Baggerly and Coombes report that when they followed the Duke researchers' approach with these errors corrected, they obtained results no better than chance.

The *AOAS* invited the Duke researchers to respond in writing, but they declined, indicating that they intended to publish their own explanation in a separate peer-reviewed publication. In an interview with *The Cancer Letter* (www.cancerletter.com, October 2, 2009), Potti and Nevins suggested the errors were minor, and that their method works, citing that their results have been independently validated by researchers at the European Organization for Research and Treatment of Cancer (EORTC) [*Lancet Oncology*, 2007, 8(12), 1071–1078], noting, "Data was made available to us, blinded. All we got was the gene expression data. We ran the predictions and sent it back to the EORTC investigators. They took the results, analyzed it in the context of clinical responses." However, Mauro Delorenzi, head of the European bioinformatics group, disputes this assertion, stating that the study was, in fact, not blinded, and that the European group would not be able to

reproduce their results with the information given (*The Cancer Letter*, October 23, 2009). As Baggerly notes in an accompanying letter, there has still not been any documented independent validation of the Duke researchers' results.

The warning in Baggerly and Coombes' paper is that clinical trials being conducted were based on questionable scientific results, and that these trials could be putting patients at risk by exposing them to potentially ineffective treatments. Shortly after publication of the *Annals of Applied Statistics* paper, three Duke University clinical trials based on the questionable results were suspended, a fourth trial conducted at Moffit Cancer Center was terminated (*The Cancer Letter*, October 9 and 23, 2009), and a panel of outside experts has been assembled by Duke University to investigate this research and the original results.

Most of the errors discovered in this study are simple and easily addressable, but have far-reaching implications. Discovering the errors is not simple. The problem is that methods are not documented in sufficient detail for the presented results to be reproduced, and this problem is qualitatively worse for complex studies involving voluminous data. Baggerly and Coombes conclude that a higher level of documentation should be required for high-throughput studies. There is a growing awareness of this issue in biomedical research, and the statistical community is leading the way. Citing previous "forensic bioinformatics" work, the journal *Biostatistics* [Peng 2009, 10(3): 405–408] has appointed an associate editor for reproducibility, who will evaluate and mark each published paper based on whether the data and code are publicly available, and the results are reproducible, using the documentation provided. As more journals establish such policies, the reproducibility of research should improve.

SAMSI: Dynamic new programs for 2010–11

Jim Berger, Director of SAMSI, and Jamie Nunnally, SAMSI's Communications Director, write:

The Statistical and Applied Mathematical Sciences Institute (SAMSI) is operating two research programs this year with a record number of participants. A year ago, we never imagined that we might run out of space in our new wing of the NISS building, but thanks to the National Science Foundation (NSF) appropriating some money so that we could double the number of our postdoctoral fellows this year, and thanks to the record number of visitors participating in our two programs this year, we are completely full. It is a cozy and very exciting research atmosphere!

The **Stochastic Dynamics** and the **Space-Time Analysis for Environmental Mapping, Epidemiology and Climate Change** programs are already well underway. We have 14 research working groups meeting each week, along with many workshops and classes. You will find plenty of activity most any day of the week that you might come to visit us!

SAMSI's 2010–11 programs again promise to be “sell-outs.” The **Analysis of**

Object Oriented Data program generalizes functional data analysis (FDA) to the more general concept of objects as data points; examples include images, shapes of objects in 3D, points on a manifold, tree structured objects, and even various types of movies. Program leaders include: Hans-Georg Müller (Davis), Jane-Ling Wang (Davis), Ian Dryden (South Carolina), and Jim Ramsay (McGill), along with Local Coordinator Steve Marron (UNC).

The other year-long research program is **Complex Networks**. This program will focus on the emerging area of network science, a highly interdisciplinary field that is characterized by interactions at the interface of applied mathematics, statistics, computer science, and statistical physics, as well as those areas with network-oriented thrusts in biology, computer networks, engineering, and the social sciences. Program leaders include: Eric Kolaczyk (Boston University) and Alex Vespignani (Indiana University), with Local Coordinators Alun Lloyd (North Carolina State University) and Peter Mucha (University of North Carolina). The Scientific Advisory Committee is comprised of: Pierre Degond (Institut de

Mathématiques de Toulouse), Stephen Fienberg (Carnegie Mellon University), and Martina Morris (University of Washington).

During July 12–23, 2010, we will also be holding the **Summer Program on Semiparametric Bayesian Inference: Applications in Pharmacokinetics and Pharmacodynamics**, being led by Gary Rosner and Peter Mueller, both from M.D. Anderson Cancer Center. The summer programs are an excitedly intense two-week immersion in a particular area, and are quite an experience!

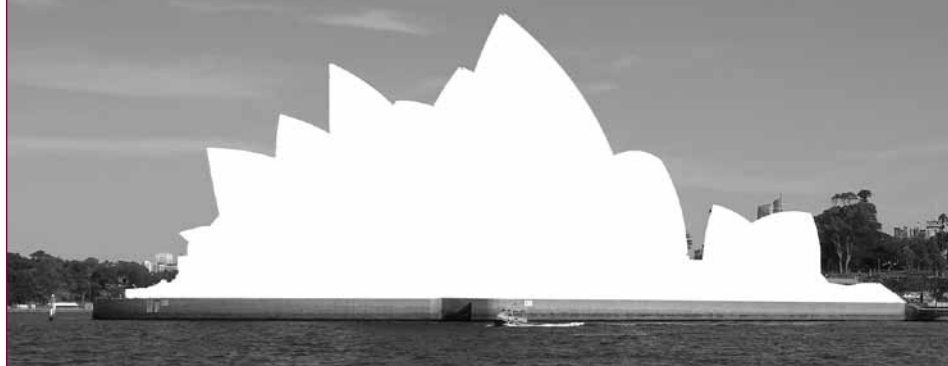
We hope you will consider joining us for one of these programs next year. To find out more information or to apply for one of the programs or the many workshops associated with the programs, go to: www.samsi.info and click on the programs page or the workshops page.

Our **Education and Outreach program** is very active as well. In addition to the Undergraduate Workshops held in the Fall, Winter and Spring, we have a 10-day industrial research program for graduate students in July, in conjunction with NC State University's Center for Research in Scientific Computation.

Many of our participants in the undergraduate workshops and other regular SAMSI workshops stay connected with each other via our social networking outlets. We have a Facebook group for students as well as a Facebook page for any SAMSI fans. We also have a Twitter account: @NISSSAMSI. If you prefer, you can joined our LinkedIn group to get updates and read about upcoming workshops.

Many of you know that I am leaving my post as director of SAMSI at end of June, 2010. The search for my replacement is well underway and we hope to send in an announcement in the next couple months introducing the new director!

The location for the IMS 2014 Annual Meeting has just been finalized—but where? Turn to page 14 to find out!



University of Dhaka, Bangladesh

The University Of Dhaka in Bangladesh is one of the oldest universities in Asia, and its statistics department, founded in 1950, is among the oldest in the world.



Mir Masoom Ali

Mir Masoom Ali (pictured left), George and Frances Ball Distinguished Professor of Statistics Emeritus, Ball State University, was a young second-year undergraduate student there in 1954 when the fledgling department received an eminent visitor. He sent us this photo (below) taken on the occasion of Sir R. A. Fisher's visit. He explained, "I am seated on a chair, second from right, and National Professor Qazi Motahar Husain (seated to the left of Fisher, in long grey beard) is the founder of the statistics department. Fisher was an external examiner of Husain's PhD thesis and Husain was a great and close friend of P.C. Mahalanobis. Professor Husain was an international chess player and was a very famous writer in what is now Bangladesh. He went on to found the Institute of Statistical Research and Training (ISRT), a separate entity at Dhaka University in 1964. He received the highest national awards from both the erstwhile Pakistan and present-day Bangladesh, and was named a National Professor, an honor reserved for a few outstanding professors."

According to its departmental homepage, <http://www.univdhaka.edu/departament/index.php?bodyid=STA>, the statistics department now offers courses in theoretical and applied statistics at BSc, MSc, M.Phil. and PhD level. Moreover, a substantial number of students from other departments of the university take minor courses in Statistics each year. There are currently about 900 students in the department, including the minor students of other honours subjects.

There is some more background information on the department's website, on the early history of statistics in Dhaka and more generally, in the Indian sub-continent. During the 1930s, statistics was one of the newest disciplines in the subcontinent. The Indian Statistical Institute (ISI), registered in 1932, was the first organization in the region to foster the growth of statistics by training people for machine calculation and giving instruction in the theoretical aspects of statistical methods in common use. In 1937–38, Professor Q.M. Husain was sent to the ISI by Dhaka University, to study statistics under Professor P.C. Mahalanobis, with the recommendation of the physicist, Professor S.N. Bose. Husain obtained his Diploma in Statistics from ISI in 1938.

So statistics was first introduced into the Dhaka University curriculum in the academic session 1938–39—initially for BSc agriculture students, but by the mid-1940s as a subject up to Master's level. The Department was founded under Dr Husain in 1950, having grown out of the Mathematics Department. Fisher's visit just four years later must have been a great encouragement to everyone involved.

TEACHERS AND STUDENTS OF THE DEPARTMENT OF STATISTICS DACCA UNIVERSITY PHOTOGRAPHED WITH PROFESSOR SIR RONALD AYLMER FISHER Sc.D., F.R.S. NOVEMBER 18, 1954



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Terence's Stuff: *Statistical Dynasties & Golden Ages*

As he wrote this, Terry Speed was about to revisit Kolkata, which turned his thoughts to the remarkable success of statistics in India, and the 90th birthday of a former IMS president.



The countries that dominated the statistics I learned as an undergraduate were Great Britain, India, and the USA. The presence of India in this list initially puzzled me. Why India, and not China, France, Germany or the Soviet Union, I wondered. A text I used, and liked a lot, at that time was *Advanced Statistical Methods in Biometric Research*, by a young Indian statistician named C. Radhakrishna Rao. It balanced theory and application in a way that I could enjoy: Fisherian, but comprehensible. If it gave the impression that much of statistics concerned skulls, bones and races—anthropometry—that was because in the old days people took measurements on lots of these things, and discussed questions of race. Much important statistics seems to have been inspired by such matters. (I later learned that Rao went from Calcutta to Cambridge, England, in the late 1940s to work on the analysis of a series of human skeletons excavated in Jebel Moya in Sudan.)

In due course I came to understand the answer to “why India?” The reason was P. C. Mahalanobis. During the 1920s he had built up a Statistical Laboratory within his room as Professor of Physics at the Presidency College of Calcutta, and in 1931 he founded the Indian Statistical Institute (ISI). In any area of science, the achievements of individuals, research groups, departments, institutions and countries wax and wane. Almost by definition, the ones we notice are the outliers, and it’s hard for outliers to produce new outliers,

and for this process to continue, unto the n th generation. But the ISI quickly went to the top, and has remained there for a remarkably long time—for a period probably unequalled in our discipline. The first decade of the ISI saw R. C. Bose doing outstanding research on experimental design (working on Galois fields, not in paddy fields), S. N. Roy doing superb multivariate analysis, and many others, doing great work, including Mahalanobis himself, studying his distance. The 1940s were unarguably C. R. Rao’s. His famous 1945 paper, which contained the Cramér-Rao inequality, the Rao-Blackwell theorem, and a beginning to the differential geometry of parameter spaces, would guarantee that, even had he done nothing else—but there *was* much else. The 1950s saw D. Basu, Rao’s first PhD student, prove his beautiful theorem... and so it has continued.

I’ve been meeting the ISI all my life. After my exposure to Rao’s book, I turned away from statistics to mathematics. Not long into this phase of my life, I stumbled across the amazing quartet: V. S. Varadarajan, K. R. Parthasarathy, S. R. S. Varadhan, and R. Ranga Rao. The first three were students of C. R. Rao at the ISI, while the fourth was at nearby Calcutta University. Probability in physics, on metric spaces, over Lie groups, ergodic theory, group representations, functional analysis, and much more; there seemed to be no limit to what could be done in the name of statistics in Calcutta. There were many other outstanding people, of course, in addition to the four named above. This period of its history has been dubbed the Golden Age of ISI, and that seems right, apart from the fact that this condemns all future ages to lesser metal status. A move from Australia to the UK gave me the opportunity to learn from KRP first-hand, although I didn’t manage to get into his

research area quickly enough to do independent work before he returned to India. But D. Basu was close by, away from the ISI for a few years, and he led me back into statistics. He also got me invited to give a course at the ISI, so that I had the opportunity to live and work in this unusual place, a truly wonderful experience. That was over 30 years ago, but I’m quite excited to be returning to Kolkata in a couple of weeks.

What is the secret of the ISI’s success? In 1961, with help from R. A. Fisher, they adopted the motto “Unity in Diversity,” and the banyan tree as a crest. (Buddha is thought to have achieved enlightenment while sitting under this tree.) By then the Institute was a university, with people studying economics, social science, geology, human genetics, crop science, industrial quality control, and much more, with statistics as the connecting theme. Mathematics, theoretical and applied statistics, and sample surveys flourished. It seemed that people could carry out whatever research they wished, though not in all cases, as one distinguished member of our profession found to his disappointment.

These days I’m doing research in cancer genomics, and am involved in the International Cancer Genome Consortium. India is one of the participating nations, with a study of tumors of the oral cavity. Which Indian institution is leading that research? The ISI, of course!

Happy 90th birthday year, C. R. Rao.

The banyan tree, together with the motto Unity in Diversity, is pictured in the logo for the Indian Statistical Institute. The Great Banyan Tree in the botanic gardens in Kolkata is the largest in Asia, possibly in the world.



IMS Medallion Lecture at ENAR/IMS meeting



Marie Davidian is William Neal Reynolds Professor of Statistics and Director of the Center for Quantitative Sciences in Biomedicine at North Carolina State University. She received bachelor's and master's degrees in applied mathematics in 1980 and 1981 from the University of Virginia and received a PhD in statistics from the University of North Carolina at Chapel Hill in 1987 under the direction of Raymond J. Carroll. She joined the Department of Statistics at North Carolina State University in 1987 and returned in 1996 after serving on the faculty in the Department of Biostatistics at Harvard School of Public Health from 1994–96. Marie is an elected Fellow of IMS as well as ASA and AAAS, and is an elected member of the International Statistical Institute (ISI).

She has served as Coordinating and Executive Editor of *Biometrics*, as chair of the National Institutes of Health Biostatistical Methods and Research Design (BMRD) study section, on the International Biometric Society (IBS) and IMS Councils, and as ENAR president. She is the recipient of the G.W. Snedecor Award, the Janet L. Norwood Award for Outstanding Achievement by a Woman in the Statistical Sciences, the ASA Award for Outstanding Statistical Application, and several distinguished lectureships.

Over the past decade, there has been an increasing focus, in a host of disease and disorder areas, on not only traditional development and evaluation of new interventions but on elucidating more broadly the best ways to use both new and existing treatments. The recent emphasis by policy-makers on comparative effectiveness research has only heightened this interest. Statisticians, mathematicians, and other quantitative scientists have developed various methodological approaches that can inform and guide this endeavor, particularly in the context of designing strategies for best using available treatment options over the entire course of a disease or disorder. Adopting the perspective that “treatment” of chronic diseases and disorders really involves a series of therapeutic decisions over time, each of which should ideally be made

adaptively based on the evolving health status of the patient, holds the promise of developing treatment regimens that in this sense move toward “individualizing” treatment to the patient, thereby improving health outcomes. Multidisciplinary collaborations involving disease/disorder area specialists, statisticians, and other quantitative scientists to exploit these methodological advances are essential if this goal is to be achieved. I am fortunate to be involved in several collaborative research projects focused on development of such adaptive treatment strategies in areas ranging from HIV infection to alcohol abuse to organ transplantation. I will describe these exciting research projects and the statistical and mathematical methods that are being brought to bear to address this challenge.



The preliminary program book can be downloaded from the ENAR meeting website.

IMS co-sponsored meeting

2010 ENAR/IMS Spring Meetings

March 21–24, 2010: Hilton New Orleans Riverside, New Orleans, Louisiana, USA

IMS Program Chairs: Marie Davidian and Hao Helen Zhang

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

Are you going to the ENAR/IMS meeting in New Orleans? Always wanted to help New Orleans, but weren't sure how exactly to do it? Here's your chance! Please come one day early into New Orleans, and do something great in an effort to rebuild New Orleans. ENAR is coordinating with Habitat for Humanity and has planned a volunteer work project for **Saturday March 20, 2010**. No tools, no experience needed; just bring work clothes, work shoes/boots, and gloves. Pick-up and drop off will be at the New Orleans Hilton (~8am–~5pm). More details via the ENAR website soon. We have secured a reduced rate in hotel fees on Friday night for the volunteers who arrive on Friday night. Interested? Please contact Brian Marx (bmarx@lsu.edu) or Kathy Hoskins (khoskins@drohanmgmt.com) if you would like to be a part of this wonderful opportunity.



IMS meetings around the world

2010 WNAR/IMS Meeting: June 20–23, 2010, Seattle, Washington

W <http://www.wnar.org/>

IMS Program Chair: Brenda Kurland; WNAR Program Chair: Carolyn Rutter

WNAR sponsors students who enter the student paper competition with travel assistance and registration prices.

Information on the 2010 WNAR Student Paper Competition, registration information and program details for the meeting will be posted on the WNAR website <http://www.wnar.org/> as they become available. We look forward to seeing you there!

IMS-sponsored meeting



2010 WNAR/IMS Meeting

June 20–23, 2010 | Seattle, Washington

University of Washington Department of Biostatistics
Fred Hutchinson Cancer Research Center Biostatistics & Biomathematics Program

Forests. Mountains. Water. Art. Science. **Seattle.**

Explore the world-class city of Seattle while attending this year's WNAR meeting, hosted by the University of Washington and Fred Hutchinson Cancer Research Center. With its unique combination of culture and nature, Seattle has something to offer everyone. | For travel information, visit <http://www.visitseattle.org>.



Photo credit: Scott Beale / Laughing Squid

Selected Attractions

- Rent a canoe or rowboat at the UW Waterfront Activities Center http://depts.washington.edu/ima/IMA_wac.php or sip margaritas at the adjacent Agua Verde Paddle Club and Cafe <http://www.aquaverde.com/>
- Enjoy a Seattle Sounders FC match at Qwest Field <http://www.soundersfc.com/>
- Visit the Seattle Art Museum or the Olympic Sculpture Park <http://seattleartmuseum.org/>
- Shop at the world-famous Pike Place Farmer's Market <http://www.pikeplacemarket.org>
- Rock and Geek out in the same building at the Experience Music Project and Science Fiction Museum <http://www.empsfm.org>
- Catch a Rat City Rollergirls bout <http://www.ratcityrollergirls.com/>
- Ride a ferry to the beautiful San Juan Islands <http://www.visitsanjuans.com>

Local Organizers: Ying Qing Chen, email: yqchen@scharp.org
Gary Chan, email: kcgchan@u.washington.edu

For more meeting information visit <http://www.wnar.org/>

*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:

Istanbul, Turkey,
July 9–14, 2012 **UPDATED**

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, **UPDATED**
July 7–11, 2014

JSM: Boston, MA,
August 2–7, 2014



IMS 2010
Gothenburg
August 9-13

IMS 2010 Gothenburg

Institute of Mathematical Statistics

73rd Annual Meeting, Aug 9-13, 2010, Gothenburg, Sweden
Venue: Chalmers University of Technology

Probability and Statistics Sessions

- Statistical theory and methods
- Stochastic processes and analysis
- Computer modelling and computing
- Genetics, health and epidemiology
- Molecular biology and genomics
- Statistical physics and disordered systems
- Statistics, physics and the environment
- Probability, economics and social science
- Combinatorics and graph theory
- Probability in biology
- Neuroscience and imaging
- Risk and extreme values

Registration online on conference website:
www.ims-gothenburg.com

CHALMERS |  UNIVERSITY OF GOTHENBURG



www.ims-gothenburg.com

Registration, abstract submission
and hotel bookings open

More IMS meetings around the world

IMS sponsored meeting

JSM2010

July 31 – August 5, 2010

Vancouver, British Columbia, Canada

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

The 2010 Joint Statistical Meetings will be held at the Vancouver Convention Center.

The IMS program chairs are Regina Liu, Rutgers (rlu@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.

Abstract submission open between **December 1, 2009 and February 1, 2010.**

Please note the new requirements for travelers from the United States

Since January 1, 2007, EVERYONE traveling by AIR between the United States and Canada, Mexico, Central and South America, the Caribbean and Bermuda have been required to present a valid passport, air NEXUS card, or U.S. Coast Guard Merchant Mariner Document due to regulations set forth by the Western Hemisphere Travel Initiative.

As of 1 June 2009, EVERYONE traveling between the United States and Canada, Mexico, Central and South America, the Caribbean, and Bermuda by LAND, SEA (including cruises and ferries) or AIR will be required to present a valid passport or other documents as determined by the Department of Homeland Security to cross the border.

U.S. residents can access the following websites for passport and Visa information:

Passport: http://travel.state.gov/passport/passport_1738.html

Visa: http://travel.state.gov/visa/visa_1750.html



IMS sponsored meeting

NEW Thirteenth North American Meeting of New Researchers in Statistics and Probability

July 27–30, 2010

University of British Columbia, BC, Canada

The New Researchers' Committee of the IMS is organizing a meeting of recent PhD recipients in Statistics and Probability. The purpose of the conference is 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.

Anyone who has received a PhD on or after 2005 or expects to receive a PhD by 2010 is eligible to attend. The meeting is to be held prior to the 2010 Joint Statistical Meetings in Vancouver, BC, Canada (see announcement above).

To apply, please submit a letter of interest, curriculum vitae and title and abstract to:

Samiran Sinha, Department of Statistics

3143 TAMU

Texas A&M University

College Station, Texas 77843

e sinha@stat.tamu.edu

Electronic mail is preferred for abstract submission. The deadline for receipt of applications is **February 1, 2010**. Please apply promptly since the number of participants is limited.

Priority will be given to first time participants. Women and minorities are encouraged to apply. Also, contingent on the availability of funds, support to defray travel and housing costs will be offered.

IMS co-sponsored meeting

International Chinese Statistical

Association's 2010 International Conference

December 19–22, 2010

Guangzhou University, Guang-Zhou, China

w TBC

More IMS meetings around the world

IMS sponsored meeting

NEW 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 co-sponsored meeting

AISTATS2010 (Artificial Intelligence and Statistics)

May 13–15, 2010

Chia Laguna Resort, Sardinia

IMS Rep on Program Committees: Michael Titterton

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

The objective of this series of conferences is to bring together people with common interests from the computer science, statistics and related communities.

There will be a small number of invited talks, by Richard Gill, John Lafferty and Simon Tavaré, but the bulk of the program will consist of contributed talks and posters; see the website for details, especially the deadline of **November 6, 2009** for submission of full papers for review.

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**.

As in the past, all accepted participants will have their dorm rooms paid for. US citizens can apply for \$400 of support for local expenses. Individuals who wish to participate should submit the registration form (by **April 1**) at <http://www.math.cornell.edu/~durrett/CPSS2010/reg2010.html>

IMS sponsored meeting

NEW 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

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

NEW 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

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

NEW CRiSM Workshop on Model Uncertainty**May 30 – June 1, 2010****University of Warwick, UK**

IMS Representative on Program Committees: Dario Spanò

w <http://www2.warwick.ac.uk/fac/sci/statistics/crism/workshops/model-uncertainty/>

Registration is now open for the CRiSM workshop on Model Uncertainty at the University of Warwick. The purpose of the meeting is to discuss recent developments and research on topics related to model uncertainty and model choice. The workshop largely follows the format of the 2006 CRiSM workshop on Bayesian Inference for Stochastic Systems. As in 2006, the timing of the conference has been chosen to ease the transition, for all interested participants, to the Valencia meeting on Bayesian Statistics, starting on June 3.

Invited speakers who have already accepted our invitation include **Jim Berger** (Duke), **Carlos Carvalho** (Chicago), **David Dunson** (Duke), **Jon Forster** (Southampton), **Arnoldo Frigessi** (Oslo), **Alan Gelfand** (Duke), **Ed George** (Pennsylvania), **Chris Holmes** (Oxford), **Michael Jordan** (Berkeley), **Robert Kohn** (New York), **Athanasios Kottas** (California), **Antonio Lijoi** (Pavia), **David Madigan** (Columbia), **Peter Müller** (Texas), **Christian Robert** (Paris), **David Spiegelhalter** (Cambridge), **Yee Whye Teh** (UCL), **Nanny Wermuth** (Gothenburg), **Henry Wynn** (LSE).

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.

Financial support is available to encourage the participation of interested young academics, PhD students and Postdoctoral Fellows. See the website for instructions on how to apply.

The organisers of the workshop are: **Jim Griffin** (J.E.Griffin-28@kent.ac.uk); **Mark Steel** (m.f.steel@stats.warwick.ac.uk); **Gareth Roberts** (Gareth.O.Roberts@warwick.ac.uk); and **Dario Spanò** (d.spano@warwick.ac.uk).

We hope this will get us all in the right mood for Valencia 2010.

IMS co-sponsored meeting

**From Markov Processes to Brownian Motion and Beyond—
International Conference In Memory of Kai Lai Chung****June 13–16, 2010****Peking University, China****w** TBC

IMS Reps on Program Committees: **Louis Chen**, **Zhen-Qing Chen**, **Jim Dai**, **Zhi-Ming Ma** and **Ruth Williams**.

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.

IMS co-sponsored meeting

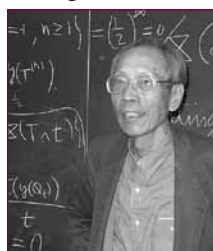
NEW 35th Conference on Stochastic Processes and their Applications**June 19–25, 2011****Oaxaca, Mexico****w** TBC

IMS co-sponsored meeting

Seminar on Stochastic Processes 2010**March 11–13, 2010****University of Central Florida, Orlando****w** <http://math.swansonsite.com/ssp2010/> [new URL]

The Seminar on Stochastic Processes 2010 will be held March 11–13, 2010 at the University of Central Florida in Orlando. Apart from informal presentations by conference participants, there will be plenary talks by five invited speakers: **Nathalie Eisenbaum** (Université Paris VI), **Steve Lalley** (Univ of Chicago), **Terry Lyons** (University of Oxford), **Jonathan Mattingly** (Duke University), and **Benedek Valkó** (University of Wisconsin–Madison).

In addition, during part of one afternoon a session will be held honoring the late Kai Lai Chung's mathematical career. Kai Lai Chung was one of the leading probabilists of the second half of the



Kai Lai Chung

twentieth century and one of the founders of the Seminar on Stochastic Processes. The session will feature some short presentations by Chung's former collaborators and colleagues and will be moderated by Ruth Williams, one of his former students. For further details, please see the above website.

More IMS meetings around the world

IMS co-sponsored meeting

**International Conference on Statistics, Probability,
Operations Research, Computer Science and Allied Areas**
January 4–8, 2010
Visakhapatnam, India

Abstract Deadline: **August 31, 2009**

w <http://www.stat.osu.edu/~hnn/IISA.html>

The objective of this conference is to assess recent developments in the fields of statistics, probability and computer science to discuss future directions in terms of theory, practice and education. One of the primary goals is to foster international collaboration in these related areas through the exchange of ideas and experiences to enhance other technology transfer activities. Reforms needed in statistical education and training in order to meet the changing needs of the industry and government which receive special attention. The program of the conference will include several invited sessions, and contributed sessions as well as workshops. English is the official language for all conference materials and presentations. The conference will be held at Andhra University in Visakhapatnam.

The conference will feature topics including: applied probability; random walks; Bayes inference; biostatistics and bioinformatics; communication networks and security; data mining; design of experiments; directional data analysis; distribution theory; econometrics; Markov processes and Markov decision theory; mathematical finance; multivariate analysis; nonparametric inference; operations research, queues and inventories; pattern recognition and image processing; probability theory; limit theorems; statistical education; statistical quality control and reliability; stochastic modeling; stochastic processes, stochastic calculus and control; survey sampling; survival analysis; time series analysis; and related areas.

Workshop: on January 3, 2010, at the beginning of the conference there will be a one day satellite workshop on Distribution Theory and Directional Data Analysis.

Plenary Sessions and Speakers: Statistics: Prof. B.L.S. Prakasa Rao (University of Hyderabad, India); **Probability:** Prof. Srinivasa Varadhan (Courant Institute of Mathematical Sciences, USA); **Biostatistics:** Dr. Joseph Heyse (Vice President-Biostatistics, Merck Research Labs, USA). Special Session: A special session will be organized to honor Prof C.R. Rao, Prof S. Rao Jammalamadaka and Prof. J. Lakshminarayana, for services rendered to Andhra University.

Registration: All participants are encouraged to pre-register to secure a guaranteed place at the Conference. See the website for details.

IMS co-sponsored meeting

Statistical Science—Making a Difference
June 3–4, 2010
University of Wisconsin, Madison



w http://www.stat.wisc.edu/Department/50th_Anniversary/50th.html
e 50th@stat.wisc.edu

IMS Representatives on Program Committees: Rich Johnson, Kjell Doksum, Grace Wahba

The Department of Statistics, in collaboration with the larger statistics community on campus at the University of Wisconsin–Madison, is planning a series of events to celebrate the 50th anniversary of its founding and its achievements in making differences in statistics and sciences through both theory/methods and applications/practice.

The main event is the scientific conference with a title “Statistical Science—Making a Difference” to be held during June 3–4, 2010. The conference will highlight major advances and emerging topics in statistical science during the last 25 years or so since the 25th anniversary of the Department of Statistics in 1985.

There will be six sessions, and each 90-minute session with a theme will feature a leading invited speaker followed by other invited and contributed speakers. Each session will have up to four speakers. During the morning and afternoon breaks, there will also be three contributed poster sessions.

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

First Announcement: Fourth International IMS/ISBA Joint Meeting**“MCMSki III”: Markov Chain Monte Carlo in Statistical Science****January 5–7, 2011****Park City, Utah, USA (“The Canyons”)****w** <http://madison.byu.edu/mcmski/index.html>

Following up on the success of the first three joint international meetings of IMS (Institute of Mathematical Statistics) and ISBA (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 (details to follow).

We are very fortunate to have commitments the following three outstanding plenary speakers:

Prof. **Nicky Best**, Imperial College London and St. Mary’s Hospital

Prof. **Michael Newton**, University of Wisconsin

Prof. **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

MCMC for Computationally-Intensive Inverse Problems

The meeting will take place at the conference center at “The Canyons”, located approximately 40 minutes from Salt Lake City (SLC) airport and readily accessible by public transport. The airport is a hub for Delta Airlines, now the world’s biggest commercial air carrier.

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, <http://madison.byu.edu/mcmski/index.html>

In particular, conference registration will be available online starting in December, 2009 through a link from our site to an easy-to-use site maintained by the IMS. 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 ba.stat.cmu.edu for details.

Program Committee:

Brad Carlin, University of Minnesota
(Conference Co-chair)

Antonietta Mira, University of Insubria
(Conference Co-chair)

Shane Reese, Brigham Young University
(Local Arrangements Chair)

Clelia DiSerio, Università Vita-Salute San Raffaele

Montserrat Fuentes, North Carolina State University

Sander Greenland, University of California, Los Angeles

David Higdon, Los Alamos National Laboratory

Peter Müller, MD Anderson Cancer Center

Giovanni Parmigiani, Harvard University



Other Meetings Around the World:

Announcements and Calls for Papers

Sparse structures: statistical theory and practice

Research workshop

June 16–18, 2010

Bristol, UK

w <http://www.sustain.bris.ac.uk/ws-sparsity/>

One of the most challenging problems in modern statistics is to find effective methods for the analysis of complex multi-dimensional data. Sparsity has been emerging as a major tool for handling statistical problems in high dimensions.

The aim of this workshop is to bring together theory and practice in modelling high-dimensional data; we hope to encourage genuine interaction between proponents of different approaches.

The workshop will feature about 12 invited speakers, and a contributed and poster programme.

Invited Speakers:

Christophe Ambroise (CNRS, Paris)

Francois Caron (Bordeaux)

Sara van de Geer (Zurich)

David Madigan (Columbia)

Nicolai Meinshausen (Oxford)

Sylvia Richardson (Imperial)

Ya'acov Ritov (Jerusalem)

Bernard Silverman (Oxford)

Rob Tibshirani (Stanford) *

Mike Tipping (consultant) *

Alexandre Tsybakov (Paris VI)

Martin Wainwright (Berkeley)

(* indicates not yet accepted)

The number of participants we can accept is limited, and we ask you to write to us in advance if you wish to attend. We will have some limited funds for partial support of expenses for junior researchers (graduate students, and researchers within 3 years of receiving their Ph.D. degree). Information about participation and support, including deadlines, and all other details about the workshop can be found at <http://www.sustain.bris.ac.uk/ws-sparsity/>.

Workshop on Industry & Price Forecasting (WIPFOR)

June 3–4, 2010

Clamart, near Paris, France

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

e wipfor@edf.fr

This international workshop, organized by The Optimization Simulation Risks and Statistics Department of EDF's Research & Development Division will be held on June 3–4, 2010 near Paris, France.

This workshop will focus on time series forecast techniques using non-stationary signals and to uncertain decision making chain applications. But the subjects presented in this workshop will cover a wide range of industries, such as energy, finance, transportation and ecology.

The purpose is to bring together academics and industry professionals to share different experiences and discuss future trends related to this area. Both theoretical and practical issues will be considered.

Program Committee: Anestis Antoniadis, Université J. Fourier, Grenoble, France; Jianqing Fan, Princeton University, USA; Qiwei Yao, London School of Economics, UK; Georges Oppenheim, Université d'Orsay, France; Xavier Brossat, EDF, France; Theophanis Sapatinas, University of Cyprus, Cyprus; Jean-Michel Poggi, Université d'Orsay, France; Christian Derquenne, EDF, France

Organizing Committee: Yannick Jacquemart, Honorary Chairman; Xavier Brossat, Chairman; Sylvie Marsais-Roux, Member

Important dates:

February 15: Abstract submission deadline

March 8: Notification of acceptance

March 15: Early registration

April 30: Late registration

**Statistical Methods and Life History
Analysis: A Conference in Celebration of the
Contributions of Jack Kalbfleisch and Jerry
Lawless to the Statistical Sciences**

May 20–21, 2010

University of Waterloo, Canada

w <http://www.stats.uwaterloo.ca/statconf2010>

The Department of Statistics and Actuarial Science at the University of Waterloo is pleased to host a conference celebrating the contributions of Jack Kalbfleisch and Jerry Lawless to the statistical sciences. Held on May 20 and 21, 2010, the conference theme is Statistical Methods and Life History Analysis and it will feature talks by some of the most prominent researchers in statistics and biostatistics.

Please see <http://www.stats.uwaterloo.ca/statconf2010> for a list of confirmed speakers and the registration form. Early registration is required by March 15, 2010.

2011 SSC Annual Meeting

June 12–15, 2011

Wolfville, Nova Scotia, Canada

Local Arrangements: Hugh Chipman
(Acadia University)

Program: Shelley Bull (Lunenfeld Research
Institute)

2012 SSC Annual Meeting

June 3–6, 2012

Guelph, Ontario, Canada

Local Arrangements: Brian Allen
(University of Guelph)

Summer School in Statistics and Probability

June 5–12, 2010

McGill University, Canada

w http://www.math.mcgill.ca/probability_and_statistics/school

A Summer School in Statistics and Probability will be held at McGill University from June 5 to June 12, 2010. This event, which is organized by the Department of Mathematics and Statistics, aims to promote probability and statistics as areas for graduate studies and to foster interest in a career in these fields, either in academia, government or industry.

The School is designed mainly for final-year undergraduate students, NSERC undergraduate summer trainees, and MSc. students in statistics; younger undergraduates or students from other disciplines may also apply. McGill University will provide funding for travel and lodging for some twenty participants from across Canada and abroad; up to ten additional students could be accommodated if they require no funding. The scientific program will include introductions to research-level mathematical statistics, probabilistic methods, biostatistics, statistics for finance and computational methods. A lively social program will also be offered.

For more details and application, please refer to the website: www.math.mcgill.ca/probability_and_statistics/school or contact the organizers at stat.school@math.mcgill.ca.

Deadline for applications: January 31, 2010.

2010 International Symposium on Financial Engineering and Risk Management (FERM2010)

June 10–12, 2010

National Taiwan University, Taipei, Taiwan.

w <http://www.fin.ntu.edu.tw/~ferm2010/>

e ferm2010.prog@gmail.com or ferm2010.local@gmail.com

This is the fifth symposium in the FERM series started in 2005. The series has grown into a great gathering of academic researchers and industry practitioners to exchange state-of-art knowledge and discoveries in financial engineering and risk management, and discuss the recent financial crisis, recent research interests and current industry trends. It produces fusion among academic researchers and industry practitioners and provides an excellent educational opportunity for the students.

FERM2010 is co-sponsored by Princeton University and National Taiwan University, co-chaired by Professors Jianqing Fan and Chung-Ming Kuan.

FERM2010 will feature several **keynote speakers**, including Tim Bollerslev, Juanita and Clifton Kreps Professor of Economics and Finance, Duke University, Jay Dweck, Global Head of Strategies and Technology, Institutional Securities, Morgan Stanley, and Harrison Hong, John Scully Professor of Economics and Finance and winner of Ficher Black Prize of American Finance. In addition, fifteen invited sessions, fifteen contributed sessions and a poster session are planned.

The conference program committee cordially invite your participation of the conference. Deadline for paper submission is March 1, 2010.

Actuarial and Financial Mathematics Conference

Interplay between Finance and Insurance

February 04-05, 2010

Invited speakers

- ✓ **Hansjoerg Albrecher** (Université de Lausanne)
- ✓ **Philippe Artzner** (Université de Strasbourg)
- ✓ **Maria de Lourdes Centeno** (Technical University of Lisbon)
- ✓ **Monique Jeanblanc** (Université d'Evry Val d'Essonne)
- ✓ **Dilip Madan** (University of Maryland)
- ✓ **Ragnar Norberg** (London School of Economics)
- ✓ **Antoon Pelsser** (Maastricht University)
- ✓ **Eckhard Platen** (University of Technology Sydney)

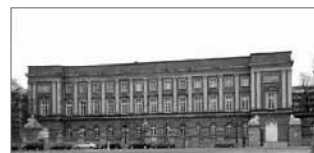
Contributed talks by

Daniel Alai, Katrien Antonio, Donatien Hainaut, Johannes Leitner, Mateusz Maj, Antonis Papapantoleon, Robert Salzmann

Poster session with 13 posters

Panel discussion on "Market consistent valuation in insurance"

Venue



Academy House
Hertogsstraat 1 / 1 Rue Ducale
1000 Brussels
Belgium

Registration

* **Registration is required.**
Free of charge for academics

* **Deadline for registration:**
January 10, 2010

* More info, online registration :
<http://www.AFMathConf.UGent.be>

Scientific Committee

Griselda Deelstra	Université Libre de Bruxelles, Belgium
Freddy Delbaen	ETH Zurich, Switzerland
Michel Denuit	Université catholique de Louvain, Belgium
Ernst Eberlein	University of Freiburg, Germany
Rob Kaas	University of Amsterdam, The Netherlands
Noel Veraverbeke	Hasselt University, Belgium

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<http://www.AFMathConf.UGent.be>

The 24th New England Statistics Symposium

Friday/Saturday, April 16–17, 2010

Harvard, Cambridge, MA

[w http://www.stat.harvard.edu](http://www.stat.harvard.edu)

The Department of Statistics, Harvard University, will host the 24th New England Statistics Symposium, Saturday April 17, 2010. Invited keynote speakers are **Iain Johnstone**, Stanford University and **Jennifer Chayes**, Microsoft Research New England.

There will be four mini-courses on April 16, 2009: “*Quantitative Financial Modelling in the Post-Lehmann Landscape*”, presenter: Stephen Blyth, Harvard Management Company; “*Statistical Methods and Software for Genomic and Clinical Data Analysis*”, presenters: Curtis Huttenhower, Harvard University and Florian Markowitz, Cancer Research Institute UK and University of Cambridge; “*Statistical Elements of Complex Networks*”, presenter: Edo Airoldi and Joseph Blitzstein, Harvard University; and “*Research Cultivation and Culmination: How to Get Your Paper Published (Eventually)*”, presenters: Joseph Blitzstein and Xiao-Li Meng, Harvard University.

The Symposium theme is “Statistics in the Sciences”. Several invited special theme sessions will range from statistics in biological sciences (including systems-biology and genomics) to statistics in physical sciences (including astrophysics), and from statistics in healthcare and economics, to statistics in educational assessment and evaluation.

Additionally, students are encouraged to submit papers for consideration for the best student paper competition. Submission deadline: Monday, March 1, 2010.

Several options for sponsorship opportunities are available.

For registration, details, and contact information, see the official symposium website at <http://www.stat.harvard.edu>

Third Midwest Statistics Research Colloquium

March 26–27, 2010

The University of Chicago, Chicago, Illinois, USA

[w http://www.stat.uchicago.edu/Midwest/2010/](http://www.stat.uchicago.edu/Midwest/2010/)

This conference will bring together members of the statistical research community from across the midwestern United States. The conference is inclusive of first-rate theoretical work, computational work, and serious applied work. Students are especially encouraged to participate in the conference. Participation is limited by space, and so all participants must register on the conference web site, located at <http://www.stat.uchicago.edu/Midwest/2010/>

Actuarial and Financial Mathematics Conference 2010: Interplay between Finance and Insurance

February 4–5, 2010

Brussels, Belgium

[w http://www.afmathconf.ugent.be/](http://www.afmathconf.ugent.be/)

Summary of the programme:

Thursday, February 4:

- Invited speakers: Eckhard Platen, Philippe Artzner, Ragnar Norberg, Antoon Pelsner
- Contributed talks
- Panel discussion on “Market consistent valuation in insurance”
- Poster session

Friday, February 5:

- Invited speakers: Hansjoerg Albrecher, Maria de Lourdes Centeno, Dilip Madan, Monique Jeanblanc
- Contributed talks
- Poster session

All academics and practitioners are welcomed to participate in this Actuarial and Financial Mathematics Conference. Please register online at the AFMathConf website (deadline **January 10, 2010**). Participation (including sandwiches during the poster session on Thursday) is free for academics, for non-academics there is a fee of 100 euro. Registration is required for everyone. Note that there is a possibility for a lunch Friday noon (30 euro, limited number of places) as well as for the conference dinner Thursday evening (60 euro). This must be requested upon registration. For a detailed programme, practical information and registration, we refer you to the conference website.



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THE ANNALS of APPLIED PROBABILITY

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Articles

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- The first passage event for sums of dependent Lévy processes with applications to
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- A dual characterization of self-generation and exponential forward performances
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- The $G/GI/N$ queue in the Halfin–Whitt regime JOSH REED 2211
- Limit theorems for additive functionals of a Markov chain
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- Proportional fairness and its relationship with multi-class queueing networks
N. S. WALTON 2301
- Interacting multi-class transmissions in large stochastic networks
CARL GRAHAM AND PHILIPPE ROBERT 2334
- Concentration of measure and spectra of random matrices: Applications to correlation
matrices, elliptical distributions and beyond NOUREDDINE EL KAROUI 2362

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<http://projecteuclid.org/aoap>

Employment Opportunities around the world

United States: University Park, PA

PENNSTATE



EBERLY CHAIR PROFESSORSHIP

The Department of Statistics at The Pennsylvania State University invites applications and nominations for the Eberly Family Endowed Chair. This unique position is the first endowed chair in the department, and was held since its inception in 1988 by Professor C. R. Rao, now Eberly Professor Emeritus of Statistics.

Candidates with an exceptional record of achievement and research leadership in any area of statistics and with credentials appropriate to a tenured full professorship will be considered. Candidates will be expected to take an active role of intellectual leadership in the department. Candidates with interests in the life sciences (e.g. genomics, infectious disease research, neuroscience) and environmental issues (e.g. energy, climate research) will be able to connect to a rich collaborative setting and a number of university-wide initiatives – playing an important role in future departmental hiring in these areas.

The Department faculty members are engaged in a wide variety of research areas including multivariate analysis, likelihood theory, computational methods, biostatistics and statistical genomics, environmental statistics, astrostatistics, etc., through departmental centers (<http://www.stat.psu.edu/centers/>), our Statistical Consulting Center, and several university-wide research units (e.g. the Methodology Center, <http://methodology.psu.edu/>, the Center for Comparative Genomics and Bioinformatics, <http://www.bx.psu.edu/>, the Center for Infectious Disease Dynamics, <http://www.cidid.psu.edu/> – see also other units in the Huck Institutes for the Life Sciences, <http://www.lsc.psu.edu/>). Penn State is a \$750 million/year research enterprise, most of it at the University Park campus.

The Department offers Bachelor's, Master's, and Doctoral degrees in Statistics. It is part of the Eberly College of Science, and is housed in a modern technological classroom building, completed in 1992. The building includes ample office space as well as computer labs, a library, seminar rooms and a lounge.

The Pennsylvania State University is located in the center of the state, in a valley surrounded by the Appalachian Mountains and state forest land. The adjoining town of State College is part of a metropolitan area with ample health care, indoor and outdoor recreation, and excellent quality of life – within 250 miles of New York City, Philadelphia, Pittsburgh, Baltimore and Washington, D.C. All the amenities of a metropolitan area – first rate public transportation, world-class theater and concert events, advanced technology and research facilities – are available without the attending stress. Scientists, engineers and professionals from around the world participate in advanced research programs and conferences on a wide range of subjects at the Penn State Conference Center.

Additional information about the department can be found at <http://www.stat.psu.edu/>. Telephone or e-mail inquiries regarding the position should be directed to: Dr. James L. Rosenberger, Professor of Statistics and Acting Department Head (814) 865-1348 or JLR@psu.edu. Applicants should send a letter of interest, with a curriculum vitae and the names of three references, in confidence, addressed to:

Dr. James L. Rosenberger, Acting Department Head
c/o Ms. Laurie Roan • Penn State • Department of Statistics
326ECI Thomas Building • University Park, PA 16802-2111

Consideration of applications will continue until the position is filled. Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

Canada: Vancouver, BC

University of British Columbia, Department of Statistics

Tenure-Track Instructor I

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=6196562

Canada: Saskatoon, SK

University of Saskatchewan

Assistant Professor In Statistics

[Http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=6235586](http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=6235586)

Switzerland: Lausanne

Swiss Federal Institute of Technology, Lausanne (EPFL)

Postdoctoral/Doctoral Positions in Statistics/Applied Probability at EPFL

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=6195766

Taiwan: Zhong-Li

National Central University, The Graduate Institute of Statistics

At all levels in statistics

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=6253165

Taiwan: Taipei

National Taiwan University, Department of Mathematics

Open rank professor and post doc

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=6034335

United Kingdom: Coventry

University of Warwick

Assistant Professor (Harrison Career Start Professor)

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=6275228

Switzerland: Zürich

Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

Two Assistant Professorships in Mathematics

The Department of Mathematics at ETH Zurich (www.math.ethz.ch) invites applications for qualified candidates from all areas of mathematics. Duties of these positions include, in addition to research, an active participation in teaching courses of mathematics for students of mathematics, natural sciences, and engineering.

Candidates should have a Ph.D. or equivalent and have demonstrated the ability to carry out independent research work. Willingness to teach at all university levels and to participate in collaborative work both within and outside of ETH Zurich is expected. The successful candidates will teach undergraduate level courses (German and English) and graduate level courses (English).

Assistant professorships have been established to promote the careers of younger scientists. The initial appointment is for four years with the possibility of renewal for an additional two-year period.

Please submit your application together with a curriculum vitae and a list of publications to the President of ETH Zurich, Prof. Dr. Ralph Eichler, ETH Zurich, Raemistrasse 101, 8092 Zurich, Switzerland (or via e-mail to faculty-recruiting@sl.ethz.ch), no later than February 28, 2010. With a view toward increasing the number of female professors, ETH Zurich specifically encourages female candidates to apply.

United States: Tucson, AZ**Pima Community College District**

Mathematics Faculty

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=6253163

United States: Grinnell, IA**Grinnell College**

Assistant Professor of Mathematics and Statistics

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=6279557

United States: Chicago, IL**Illinois Institute of Technology**

Tenure-Track Faculty

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=5989377

United States: Pittsburgh, PA**Carnegie Mellon University**

Applications are invited for possible tenure-track, lecturer, and visiting positions. Carnegie Mellon offers a collegial faculty environment, emphasizing a combination of disciplinary and cross-disciplinary research and teaching. All areas of statistics are welcome, and joint appointments with other units in the Pittsburgh area are possible. We especially encourage women and minorities to apply. Details at <http://www.stat.cmu.edu> (email: hiring@stat.cmu.edu). Application screening begins immediately and continues until positions closed.

Send CV, research papers, relevant transcripts and three letters of recommendation to: *Chair, Faculty Search Committee, Department of Statistics, Carnegie Mellon University, Pittsburgh, PA 15213, USA.* AA/EOE.

Switzerland: Zürich

Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

Assistant Professor of Quantitative Finance

The Department of Mathematics at ETH Zurich (www.math.ethz.ch) invites applications for an assistant professorship in Quantitative Finance. Duties of this position include an active participation in teaching students of mathematics, natural sciences, and engineering. The candidate is expected to engage in excellent innovative mathematical research related to mathematical finance and insurance, for example computational and/or statistical and/or probabilistic aspects of quantitative finance, insurance and risk management.

Candidates should have a Ph.D. or equivalent and have demonstrated the ability to carry out independent research work. Willingness to teach at all university levels, to collaborate with colleagues as well as representatives from industry are expected. The new professor will be expected to teach undergraduate level courses (German or English) and graduate level courses (English).

Assistant professorships have been established to promote the careers of younger scientists. The initial appointment is for four years with the possibility of renewal for an additional two-year period.

Please submit your application together with a curriculum vitae and a list of publications to the President of ETH Zurich, Prof. Dr. Ralph Eichler, ETH Zurich, Raemistrasse 101, 8092 Zurich, Switzerland (or via e-mail to faculty-recruiting@sl.ethz.ch), no later than February 28, 2010. With a view toward increasing the number of female professors, ETH Zurich specifically encourages qualified female candidates to apply.

United States: Ithaca, NY**Open-Rank Faculty - Statistical Sciences****Cornell University, Department of Statistical Sciences**

The Department of Statistical Sciences at Cornell University invites applications for two open-rank faculty positions. We seek individuals with a strong foundation in statistical theory and/or methodology doing outstanding research. A Ph.D. in statistics or related mathematical science is required. Application screening begins immediately and continues until the positions are filled.

Applicants for Assistant Professor must submit a cover letter, a curriculum vitae including a list of publications, and arrange for three letters of reference to be sent directly to the Search Committee. Up to three relevant research publications may also be submitted.

Applicants for Associate and Full Professor positions must possess the potential for leadership in the core research and teaching missions of the Department. Candidates for senior positions should submit a cover letter that clearly highlights your three most important research publications, a curriculum vitae that includes a full list of publications and current and past sponsored project activity, and the names of three or more individuals that may be contacted for references.

Application materials should be sent to:

**Search Committee
Department of Statistical Science
301 Malott Hall
Cornell University
Ithaca, NY 14853**

or to: stat_search@cornell.edu

Cornell University, located in Ithaca, New York, is an inclusive, dynamic, and innovative Ivy League university and New York's land-grant institution. Its staff, faculty, and students impart an uncommon sense of larger purpose and contribute creative ideas and best practices to further the university's mission of teaching, research, and outreach.



Cornell University

*Cornell University is an Affirmative Action/
Equal Opportunity Employer and Educator.*

United States: Boston, MA**Harvard School of Public Health and the Dana-Farber Cancer Institute**

Assistant/Associate Professor of Biostatistics

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=6248974

United States: Chapel Hill, NC**UNC Lineberger Cancer Center**

Tenure-track Faculty Position

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=6240894

United States: Piscataway, NJ**Rutgers University, Department of Statistics & Biostatistics**

Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=6270882

United States: Ithaca, NY**Cornell University**

Visiting Faculty: Operations Research & Information Engineering

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=6235422

United States: Ithaca, NY**Cornell University**

Open Rank Faculty

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=6221067

United States: Pittsburgh, PA**Duquesne University, Mathematics and Computer Science**

Tenure-Track Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=6176762

United States: Philadelphia, PA**University of Pennsylvania, The Wharton School**

Faculty position at any level

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=6133167

United States: College Station, TX**Texas A&M University**

IAMCS Post Doctoral Researcher

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=5942093

United States: Fairfax, VA**George Mason University**

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January 2010

 January 4–8: Andhra University, India. **IISA Joint Statistical Meetings and International Conference on Statistics, Probability and Related Areas**. S. Rao Jammalamadaka **e** rao@pstat.ucsb.edu, N. Balakrishnan **e** bala@mcmaster.ca, K. Srinivasa Rao **e** ksraoau@yahoo.co.in **w** www.stat.osu.edu/~hnn/IISA.html

January 11–13: Loyola College, Chennai, India. **International Conference on Statistics and Information Analytics (ICSIA 2010)**. Convenor: Dr. T. Leo Alexander **e** leo_a98@hotmail.com **w** www.loyolacollege.edu/icsia2010/statistics.html

January 11 – July 2: Isaac Newton Institute for Mathematical Sciences, Cambridge, UK. **Stochastic Processes in Communication Sciences programme** **w** <http://www.newton.ac.uk/programmes/SCS/index.html>

January 15–16: Gainesville, Florida. University of Florida Twelfth Annual Winter Workshop: Categorical Data Analysis. **w** <http://www.stat.ufl.edu>

January 18–20: Lunteren, Netherlands. **9th Winter School on Mathematical Finance**. **w** <http://www.science.uva.nl/~spreij/stieltjes/winterschool.html>

February 2010

February 4–5: Brussels, Belgium. **Actuarial and Financial Mathematics Conference 2010: Interplay between Finance and Insurance**. **w** <http://www.afmathconf.ugent.be/>

February 8–11: Beer Sheva, Israel. **SMRLO'10: International Symposium on Stochastic Models in Reliability Engineering, Life Sciences and Operations Management**. **w** <http://info.sce.ac.il/i/SMRLO10>

February 16–19: San José, Costa Rica. **XVII International Symposium on Mathematical Methods Applied to the Sciences**. **w** <http://www.cimpa.ucr.ac.cr/simmac.html>

March 2010

March 2–5: Leipzig University, Germany. **9th German Open Conference on Probability and Statistics**. **w** <http://www.gocps-leipzig2010.com/>


 March 11–13: Florida. **Seminar on Stochastic Processes 2010** **w** <http://depts.washington.edu/ssproc/>

 March 17–20: University of Texas at San Antonio. **Frontier of Statistical Decision Making and Bayesian Analysis: in honor of James O. Berger**. IMS Rep on Program Committees: Dipak K. Dey. **w** <http://bergerconference2010.utsa.edu/>

 March 21–24: Hyatt Regency New Orleans, Louisiana. **2010 ENAR/IMS Spring Meetings**. IMS Program Chairs: Marie Davidian and Hao Helen Zhang **w** www.enar.org/meetings.cfm

March 23–26: Dortmund, Germany. **2nd Joint Statistical Meeting of Statisticians DAGStat 2010 “Statistics under one umbrella”** **w** <http://www.statistik.tu-dortmund.de/DAGStat2010/en/>

March 25–26: Department of Statistics, Texas A & M University. **Conference on Resampling methods and High Dimensional Data**. **w** <http://www.stat.tamu.edu/Spring-Conf-2010/index.html>

 March 26–27: The University of Chicago, Illinois, USA. **Third Midwest Statistics Research Colloquium** **w** <http://www.stat.uchicago.edu/Midwest/2010/>

April 2010

April 11–13: Cornell University, Ithaca, NY. **Stochastic Analysis and Mathematical Physics: Conference in honor of Len Gross**. **w** <http://www.math.ucsd.edu/~bdriver/LGC09/index.htm>

April 14–17: Biskra, Algeria. **International Workshop on Multivariate Risks and Copulas** **w** http://www.univ-biskra.dz/manifestations/math/stat_2010

International Calendar *continued*

NEW April 16–17: Harvard, Cambridge, MA. The 24th New England Statistics Symposium **w** <http://www.stat.harvard.edu>

May 2010

 May 13–15: Sardinia. AISTATS2010 (Artificial Intelligence and Statistics) **w** www.aistats.org

May 19–22: Columbus, Ohio. Conference on Nonparametric Statistics and Statistical Learning. **w** www.stat.osu.edu/~nssl2010/

NEW May 20–21: University of Waterloo, Canada. Statistical Methods and Life History Analysis: A Conference in Celebration of the Contributions of Jack Kalbfleisch and Jerry Lawless to the Statistical Sciences **w** <http://www.stats.uwaterloo.ca/statconf2010>

May 20–22: Pittsburgh, PA. Statistical Analysis of Neural Data (SAND5). **w** <http://sand.stat.cmu.edu>

May 23–26: Québec City, Canada. 2010 SSC Annual Meeting. Local Arrangements: Thierry Duchesne (Laval); Program: Christian Léger (Montréal) **w** www.ssc.ca/main/meetings_e.html

May 26–28: Dakar, Sénégal. Conference on Applied Statistics and Probability for Africa Development (ASPAD II) and Constitutive Assembly of the Statistical Pan African Society (May 26, 2010, Saint-Louis, Sénégal) **w** <http://www.statpas.org/ang/spada2.php>

UPDATED  May 30 – June 1: University of Warwick, UK. CRiSM Workshop on Model Uncertainty. **w** <http://www2.warwick.ac.uk/fac/sci/statistics/crism/workshops/model-uncertainty/>

June 2010

UPDATED  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

NEW June 3–4: Clamart, near 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

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

NEW 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 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

NEW 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>

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

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

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/

July 2010


July 5–8: Madrid, Spain. 5th International Workshop in Applied Probability, IWAP 2010 **w** <http://www.fundacion.uc3m.es/IWAP2010/>

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 11–16: Ljubljana, Slovenia. ICOTSo8: Data and context in statistics education: towards an evidence-based society. **w** <http://icots8.org/>

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>

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

July 20–23: Leicester, UK. Accuracy 2010: International Spatial Accuracy Research Association (ISARA) 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

NEW  **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 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-göteborg.com

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 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 **e** hwlicm@math.leidenuniv.nl

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

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

International Calendar *continued*

September 2010

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


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

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

December 2010

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


January 2011

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

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

July 2011

 July 11–22: Ithaca, NY. 7th Cornell Probability Summer


School. **w** tba

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

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.

July 2014

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

August 2014

 August 2–7: Boston, MA. JSM2014.

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.

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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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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>

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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

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Issue	Deadline for advertisement	Usually online by	Scheduled mail date
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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
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Olivier Catoni

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