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IMS Bulletin

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President's Welcome

IMS President, Ruth Williams, writes this introductory message, in which she informs readers about some of the ongoing and upcoming activities of the IMS, and encourages your participation.

Our discipline of probability and statistics is rapidly growing in diverse directions. Despite the wonders of modern communication, it can sometimes be difficult for members with common interests to connect with one another. The **IMS Groups Program** was started a few years ago to provide a mechanism for scholars with a common interest to organize and communicate as a smaller group. These "special interest groups" are intended to be largely self-organizing with a simple administrative framework provided by the IMS. The existence of this program seems not to be so well known and yet I believe it can provide a good mechanism for our members to become more connected with one another and with the IMS. I am pleased to report that two new special interest groups have recently been started. A group on the topic of Probability and Statistics in Finance was recently initiated by Xin Guo, Tze Leung Lai and Philip Protter. This group got off to a rapid start. It has organized its first conference: a one-day meeting held at Columbia University in June (see the report in this *Bulletin* on page 5). The group is planning another meeting for next summer in the California Bay Area. A second new group is in the works around the growing topic of Stochastics and Biology. The aim of this group is to provide a common point of contact for researchers from different areas interested in stochastic models in biology. The contact for this group is Lea Popovic. More details about these and other groups, and on how to start an IMS group of your own, can be found at http://imstat.org/groups/.

IMS Journals

One of the most important activities of the IMS is the publication of its journals. Our journals are well-known for their high quality and reasonable cost. These are important characteristics, especially in these times of tight library budgets. You can all contribute to maintaining the excellence of our journals by submitting your best work to them and by volunteering your time and expertise to serve as referees (or editors) when asked. You can further help with dissemination of our journals by ensuring that your library maintains its subscription or suggesting that they subscribe if they do not already do so—there are various subscription plans available to institutions, including electronic-only access and discounted prices for a subscription to a bundle of five IMS journals (the four *Annals* and *Statistical Science*) plus three journals (*Bernoulli*, *Annales de l'Institut Henri Poincaré B* and the *Brazilian Journal of Probability and Statistics*) that are published by the IMS for other non-profit societies in probability and statistics.

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Executive Committee

IMS Members' News

SRS Varadhan receives US National Medal of Science

IMS Fellow and former president Srinivasa S.R. Varadhan, New York University, has been named a recipient of the US National Medal of Science—the highest honor bestowed by the government—for *"his work in probability theory, especially his work on large deviations from expected random behavior, which has revolutionized this field of study during the second half of the twentieth century and become a cornerstone of both pure and applied probability. The mathematical insights he developed have been applied in diverse fields including quantum field theory, population dynamics, finance, econometrics, and traffic engineering."*

Emery Brown receives 2011 Jerome Sacks Award

NISS presented the 2011 Jerome Sacks Award for Cross-Disciplinary Research to Emery N. Brown, MD, PhD, of MIT and Harvard. Brown is an anesthesiologist-statistician whose research focuses on the development of signal processing algorithms to characterize how the patterns of electrical discharges from neurons in the brain represent information from the outside world.

ASA Founders Award and Fellows; JSM Plenary Session webcasts

This year nearly 5,000 statisticians attended the Joint Statistical Meetings in Miami, Florida. The American Statistical Association recognized several outstanding statisticians, including the Founders Award winners and 58 new ASA Fellows.

The Founders Award was given to IMS Fellow Wayne Fuller, member Nat Schenker, and to William B. Smith and Bob Starbuck. Wayne's citation read, "*for being an outstanding role model and a mentor to many ASA members for over 50 years; for his exemplary service to ASA through his leadership on various committees including Strategic Planning, Review of Long-Range Financial Policy, Census Blue Ribbon Panel, Appointments to Federal Statistics Positions, Selection of ASA Fellows and awards, and USDA Advisory committees; and for his invaluable contributions to a number of editorial boards, sections and the Board of Directors.*" Nat Schenker's citation was *"for outstanding leadership and service well above the call of duty during two terms on the ASA Board, including one term as vice president; for his leadership as JSM Program Chair; for chairing the JSM Task Force, which had a significant positive impact on JSM; for chairing the Meetings Workgroup that led to the creation of the new Conference on Statistical Practice; for serving as chair of the Government Statistics Section; and for service on the Committee on Publications."*

Among the 58 new ASA Fellows were six IMS Fellows, J.T.Gene Hwang, Runze Li, Deborah A. Nolan, Dimitris Politis, Donglin Zeng and Hongtu Zhu; and 25 members, Keith Baggerly, Tianxi Cai, James J. Cochran, Paul A. Gustafson, J. Michael Hardin, Dominique Haughton, Alan Hutson, Patricia A. Jacobs, Zhezhen Jin, Grace E. Kissling, Kalimuthu Krishnamoorthy, Kenneth L. Lange, Peter J. Lenk, Faming Liang, Aiyi Liu, Ying Lu, Ranjan Maitra, Jeffrey S. Morris, Christopher Nachtsheim, J. Sunil Rao, Jerome P. Reiter, Venkatraman E. Seshan, Thomas A. Severini, Julia Volaufova, and Lijian Yang.

If you missed the Plenary Sessions, were unable to attend JSM, or just want to learn more about the meeting, the webcasts are now available for download or viewing at the JSM website: http://www.amstat.org/meetings/jsm/2011/webcasts/index.cfm

More Members' News

Rosenberger and Utts recipients of the 2011 NISS Distinguished Service Awards

James Rosenberger and Jessica Utts are this year's recipients of the NISS Distinguished Service Awards. The awards were presented at the NISS reception at JSM Miami.

James Rosenberger, Pennsylvania State University, received the award for his long-term service to NISS as a member of the Executive Committee and for the last two years as chair of the Finance Committee, as well as his department's support of NISS and SAMSI through the affiliates program and by hiring of former NISS postdocs. Jessica Utts, University of California, Irvine, was given the award in recognition of her multiple terms on the Board of Trustees and the Executive Committee, her chairing the Awards Committee, and her three years (2008–11) as vice-chair of the Board.

Jessica Utts and James Rosenberger, pictured at the NISS reception at JSM. Photo: NISS

ASA Biometrics Section presents awards to young investigators

During JSM 2011, the Biometrics Section presented its David P. Byar Young Investigator Award to Daniela Witten of the University of Washington for her paper "Penalized Classification Using Fisher's Linear Discriminant." She received $1,500. The Byar award is given annually to a new researcher in the Biometrics Section who presents an original manuscript at the Joint Statistical Meetings. The award commemorates David Byar, a renowned biostatistician who made significant contributions to the development and application of statistical methods during his career at the National Cancer Institute.

In addition to the Byar award, the section also chose the following authors for travel awards: Genevera Allen of Rice University; Qunhua Li of the University of California at Berkeley; Jessica Minnier of Harvard University; Layla Parast of Harvard University; and Sihai Dave Zhao of Harvard University.

Nick Horton receives ASA Boston Chapter Service Award

The American Statistical Association's Boston Chapter has awarded its 2011 service award to Nick Horton in recognition of his many years of service to the Chapter. An active member of the program committee, Horton also served as council representative and member of the Council of Chapters Governing Board.

Paul Meier, 1924-2011

Professor Paul Meier, former president of IMS, passed away peacefully on August 7, 2011. Professor Meier was a world-class statistician and made extraordinary contributions to statistics and to society prior to his retirement from Columbia University. He was a fellow of IMS, the American Association for the Advancement of Science, and the ASA, and had served as president of both IMS and the Society for Clinical Trials. The tribute at http://statistics.columbia.edu/content/paul-meier-1924-2011 described him as "a kind and gentle man [who] will be sorely missed."

An obituary will appear in a future issue.

President's Welcome *continued*

Continued from **cover**

Our (purely) electronic journals provide open access in the true sense that access is free to anyone with a web browser. These journals have low overhead, but most incur some costs associated with providing servers and an electronic system for the submission, refereeing, publication and indexing of articles. Members with available resources can help support these activities by paying voluntary page charges for their articles published in our electronic journals or by donating to the IMS Open Access Fund (see http://www.imstat.org/membership/gift.htm).

Meetings

Another key IMS activity is the sponsorship and co-sponsorship of a broad range of scientific conferences related to statistics and probability. I will just mention a couple of these here (you can see the full spectrum on our website at http://imstat.org/meetings/2011.htm, and in the Calendar on page 28). Every four years, the IMS holds its annual meeting as part of the quadrennial World Congress in Probability and Statistics, jointly sponsored by the IMS and the Bernoulli Society. Next year, the 8th World Congress will be held July 9–14 in Istanbul, Turkey. The Congress has grown over the years and is now a major international event in probability and statistics. Abstract submission recently opened for this meeting. Details on how to submit an abstract and other information can be found at http://www.worldcong2012.org/

I would like to mention two IMS initiatives available to help some members attend this meeting. The **IMS Laha Awards** (http://www.imstat.org/awards/laha.html) are available to assist members who are students or recent PhD recipients with the cost of travel to present a paper at this meeting. The **IMS childcare initiative** (http://imstat.org/meetings/childcare.htm) provides some support to help encourage those IMS members who have childcare responsibilities to attend the meeting. There is also an application in process to a US funding agency to help support junior researchers from US institutions to attend the Congress. Information will be posted on the Congress website and here in the *Bulletin* about this possibility in the coming months. Later in July 2012, immediately prior to the Joint Statistical Meetings, the 14th meeting of New Researchers in Statistics and Probability (http://math.ucsd.edu/~nrc2012/), organized by the IMS New Researchers Committee, will be held at the University of California, San Diego (see the notice on page 18 for information on how to apply). The IMS Tweedie New Researcher Award (http://www.imstat.org/awards/tweedie.html) will be presented at this meeting; nominations for this close December 1, 2011.

Looking ahead

Looking further into the future, in 2013, a number of celebrations will converge: 2013 will be the International Year of Statistics (IYStat), it has been designated as the year to highlight the Mathematics of Planet Earth (MPE13), and it is the 300th Anniversary of the publication of *Ars Conjectandi* written by Jacob Bernoulli. IMS will be organizing various activities associated with these celebrations, some of which will be in collaboration with other statistics and probability organizations.

Scientific Legacy

Last year the IMS celebrated its 75th anniversary. Regrettably, we have now seen the passing of many of the great contributors to the early years of our society. In an effort to create a lasting resource highlighting our rich history, the IMS Council has created the new position of Scientific Legacy Editor, with Paul Shaman being appointed as the first such editor. Paul will be involved in developing webpages that feature the many contributions made to probability and statistics (and their applications) by our former members. It is anticipated that this will be a valuable resource for increasing the profile to the world at large, as well as to our members, of our scientific heritage.

Scientific Legacy Editor, Paul Shaman

There are other activities initiated in the last year that I could mention, such as the recent changes to the online version of the *Bulletin* including the introduction of the open forum (http://bulletin.imstat.org), and the program of short course and short meetings that my immediate predecessor, Peter Hall, is developing and which you will hear more about soon. However, as my PhD advisor, Kai Lai Chung, liked to say (following Shakespeare), "Time must have a stop," and it is time for me to conclude this introductory piece.

In closing, I would like to heartily thank all of our members who contribute to the many and varied activities of the IMS. The success of the IMS as a professional society depends critically on the extensive volunteer efforts of our members. I would appreciate hearing your comments and thoughts on IMS activities and welcome ideas on how to make the IMS even better: email me at president@imstat.org. ▪

Workshop on Probability and Statistics in Finance

The Workshop on Probability and Statistics in Finance, sponsored by the IMS special interest group on "Finance: Probability and Statistics" (FPS) and the Statistics Department of Columbia University, took place on June 23, 2011 at Columbia University. After a continental breakfast and welcoming remarks, four speakers gave talks, punctuated by coffee breaks and lunch. A panel discussion followed their well attended talks. The workshop was organized by Xin Guo of U.C. Berkeley, Tze Leung Lai of Stanford University, and Philip Protter of Columbia University.

For more information on the recently formed special interest group FPS, including the forthcoming workshop at Berkeley/Stanford in June 2012 and the free membership sign-up, visit its URL http://lists.imstat.org/mailman/listinfo/fgfps

The Four Invited Talks

Robert Jarrow of the Cornell Business School in Ithaca, NY, kicked off the talks by returning to the classic topic of market efficiency, defined long ago by Fama in 1970. In joint work with Martin Larsson he gave it a modern interpretation involving nested families of filtrations. In this way, he provided a connection between the classic idea of market efficiency dependent on equilibrium theory and asset pricing models, with that of the more modern concept of the absence of arbitrage. In doing this, he was able to circumvent the classical conundrum of the "curse of the joint hypothesis."

The second speaker was Arturo Kohatsu-Higa of Kyoto, Japan. His talk concerns the use of Lévy processes in the modeling of risky asset price processes; in particular, one often replaces Brownian motion as the driving noise in a stochastic differential equation with a Lévy process, and in particular a Lévy process that has "infinite activity," which is to say enough small jumps to present serious challenges to an effective analysis. Financial quantities of interest often involve the expectation of functions, or functionals, of terminal values or paths of risky asset prices. When formulas are (almost always) not available for these quantities, one typically resorts to Monte Carlo methods, and this involves simulation issues. How one performs these simulations in general is a difficult open problem, and Professor Kohatsu-Higa presented a summary of recent work in the area, focusing on his own significant contributions, in particular those joint with S. Ortiz and P. Tankov.

After lunch the third speaker was Yingying Fan of USC. She spoke on a topic of much recent interest, involving the statistical analysis of path properties of risky asset prices observed in the market. Building on the celebrated test of Ait-Sahalia and Jacod for the determination of whether of not a risky asset price process is continuous or has jumps, she proposed a new test that has the advantage of reducing the variance, and in addition makes a contribution to the location of a jump.

The fourth and final talk before the panel discussion was by Nizar Touzi of the Ecole Polytechnique, of France. Motivated by a desire to approximate no-arbitrage bounds on the prices of exotic options, given the implied volatility curve of a given maturity, Professor Touzi presented an extension of the Monge-Kantorovitch optimal transportation problem. In his framework the mass is transported along a continuous semimartingale, and the cost of transportation depends on the drift and diffusion coefficients of the continuous semimartingale. The optimal transportation problem then minimizes the cost among all continuous semimartingales with given initial and terminal distributions.

The Panel Discussion

After a break following the last talk, a one hour panel discussion took place, with panelists Peter Carr of Morgan Stanley, Ronnie Sircar of Princeton, Steve Kou of Columbia, and Bala Rajaratnan of Stanford. Dr. Carr spoke of the possibilities of more collaboration between industry and academia and gave some concrete ideas; Professor Sircar spoke primarily about the role the new IMS group might play, and gave an illuminating presentation of the current state of the analogous group in SIAM; Professor Kou spoke of the recent mortgage scandals and how spatial statistics have a role to play in their study; and Professor Rajaratnam spoke of statistical issues related to the recent hot topic of high frequency trading data.

Want to start your own IMS Group? See http://imstat.org/groups/. There are currently 24 groups, which include 14 journal-specific groups: AAP (*Annals of Applied Probability*); AIHP (*Annales de l'Institut Henri Poincaré*); AOAS (*Annals of Applied Statistics*); AOP (*Annals of Probability*); AOS (*Annals of Statistics*); BERN (*Bernoulli Journal.*); BNPML (Bayesian Nonparametrics, Random Partitions and Machine Learning); CBMS (*NSF-CBMS Regional Conference Series in Probability and Statistics*); ECP (*Electronic Communications in Probability*); EJP (*Electronic Journal of Probability*); EJS (*Electronic Journal of Statistics*); FAQ (to help new IMS Groups coordinators to startup a mailing list); FPS (Finance: Probability and Statistics); IMSGROUPS (announcements by IMS to IMS Group coordinators); LNMS (*Lecture Notes–Monograph Series*); PAS (Probability Abstract Service); PCML (Probability Community Mailing List); PS (*Probability Surveys*); SBG (Stochastics and Biology Group); SCPG (Southern California Probability Group); SPAS (Statistical Pan African Society Mailing list); SS (*Statistics Surveys*); SSP (Seminar on Stochastic Processes); STS (*Statistical Science*)

COPSS Awards

In the last issue, we reported on the Committee of Presidents of Statistical Societies (COPSS) awards, presented at its annual ceremony at JSM in Miami Beach on August 3 by COPSS president Xihong Lin. The winner of the **President's Award**—and, unusually, also the **Snedecor Award**—was Nilanjan Chatterjee of the National Cancer Institute, USA. The **F.N. David award** winner for 2011 was Marie Davidian, North Carolina State University, and the 2011 **Fisher Lecturer** was C.F Jeff Wu of Georgia Institute of Technology.

The **call for nominations** for next year's awards is on page 9 (deadlines December 15 and January 15)

Marie Davidian

Jeff Wu

Photos: Eric Sampson/ASA

Nilanjan Chatterjee with Xihong Lin

Profile and interview with COPSS Presidents' Award winner Nilanjan Chatterjee

Bhramar Mukherjee (Secretary/treasurer, COPSS) from University of Michigan writes:

Nilanjan Chatterjee was born in Kolkata, India. He attended Ballygunge Government High School and Saint Xavier's College, then joined the Indian Statistical Institute, Kolkata, where he obtained Bachelors and Masters degrees in Statistics in 1993 and 1995 respectively. He obtained his PhD in Statistics in 1999 from University of Washington, Seattle, under co-supervisors Professors Norman E. Breslow (Biostatistics) and Jon Wellner (Statistics). His dissertation, *Semiparametric inference based on estimating equations in regression models for two-phase outcome dependent sampling,* won several awards including the Z.W. Birnbaum award from the UW Department of Statistics, and the WNAR student paper award. After his PhD, he joined the Biostatistics Branch of the Division of Cancer Epidemiology and Genetics (DCEG) at the National Cancer Institute (NCI) as a post-doctoral Fellow in 1999. He was recruited as a tenure-track Investigator at NCI in 2001 and was promoted to Senior Investigator in 2004. In 2008, he was appointed as the Chief of the Biostatistics Branch after Dr. Mitchell Gail stepped down from the position.

Chatterjee is known for his important and diverse contributions across biostatistics, epidemiology and genetics. He has conducted path-breaking research for increasing efficiency of studies of gene–environment / gene–gene interactions, assessing the future yield of modern genome-wide association studies (GWAS) and modeling subtype heterogeneity for complex diseases. He has made fundamental contributions to theory for analysis of case-control studies by developing new paradigms that can exploit natural population genetics models for studies of genetic epidemiology. His research in these and other areas are based on many modern and classical disciplines of statistics including theory of biased sampling, missing data models, semi-parametric inference, survival analysis and shrinkage estimation techniques. He is a prolific collaborator in a variety of important scientific studies, including recent GWAS that have contributed to an understanding of the genetic basis for a variety of cancers.

Chatterjee's accomplishments are truly outstanding. In only about 12 years, he has published more than 175 articles, many in the top-tier journals of both statistics and genetics. He was elected an ASA Fellow in 2008. He received the Mortimer Spiegelman Award (2010) and Gertrude Cox Award (2011) for his outstanding contributions to the field as a young statistician. This year, along with the COPSS President's Award, he was also selected to receive the prestigious COPSS Snedecor Award. He has an extensive record of service as a reviewer and member of editorial boards, award selection committees, scientific program committees and external advisory boards. Although there is no expectation of teaching at NIH, he has shown his commitment to education by organizing and teaching well-attended short courses at statistical meetings. Dr. Chatterjee founded and is co-director of the new NCI-Johns Hopkins Biostatistics Predoctoral Training Program. He is a selective but dedicated mentor. He has trained five post-doctoral and two pre-doctoral Fellows as a primary mentor or a co-supervisor. He has received an outstanding mentoring award from DCEG, NCI.

Dr Chatterjee's research accomplishments in the past three years are particularly impressive, in light of his concurrent major responsibilities as the Chief of the Biostatistics Branch, DCEG. He has advanced both science and statistics by participating, as a collaborator and leader in many high-impact scientific studies and simultaneously maintained a vigorous methodological research program that is marked by originality, theoretical rigor and practical utility.

Dr. Chatterjee graciously agreed to respond to Bhramar's questions [*see next page*], which we hope will be of interest to our readers.

What was your first reaction to winning the prestigious COPSS President's Award?

"Pinch me!" My wife Barnali, who is also a statistician, and my six year old daughter Chandrima, who has just learnt how to use tally marks, were very proud too. I am humbled that my name will be included among past recipients who are giants in our profession and have inspired many young researchers, including myself, for generations. I consider this honor not only a recognition of my contributions, but also of the importance of epidemiology and genetics, two fields that I have enjoyed working in for many years.

Which part of your job do you like the most?

At NCI, I am engaged in important scientific problems; and I have the freedom and support to pursue those problems which interest me most. I am happy that in spite of my increasing responsibilities, I have been able to preserve some time to sit with a pen and paper and become immersed in formulae and Greek notations, whether to statistically formulate a new scientific problem or to develop asymptotic theory for a new estimator.

What advice would you give to young people who are entering the profession as PhD students and assistant professors?

To PhD students: learn as much statistical theory and computation as you can. I worry that in the era of bioinformatics and "you-name-it-omics", it may be tempting to skip requirements for statistical theory. It is really our grounding in statistical theory that gives us an edge over researchers from other quantitative fields, such as engineering or computer science, who are increasingly involved in bioinformatics research. It is often easy to pick up the application once you are interested in the field, but learning new theory is difficult. Similarly, statistical computing is a core skill that is best to develop as much as you can when you are a student.

To assistant professors, I would say that whatever you do it is important to develop a vision so that you can identify important problems on your own. One way to achieve this is to take a real interest in scientific applications and develop subject matter expertise. In-depth knowledge about applications will not only make you a better applied statistician, but will also lead you to identify new methodological and theoretical topics of current interest. Further, it is best to avoid posing complex solutions of applied problems simply for the purpose of developing rich methods. It is often more productive to come up with simple intuitive solutions that could be grounded with some solid theoretical foundations.

Tell us about your most significant mentors.

I have always been very independent when came to actual research, but I have been fortunate to have a number of mentors who have directly or indirectly influenced my philosophy of statistics and science. When I came to the USA from India, I was really interested in pursuing mathematical statistics and probability theory. As a result of a sequence of required courses in applied statistics at University of Washington—the first of which was taught by my advisor, Norm Breslow—I discovered the appeal of applied statistics. During my PhD dissertation, Norm not only infected me with his passion for research on two-phase study designs, but also taught me about the importance of maintaining a high standard of ethics and fairness in research. I was able to learn bits of semiparametric and empirical process theory from a series of classes offered by Jon Wellner, which I still find tremendously useful in my research. At NCI, I learned from my post-doctoral mentor Sholom Wacholder the importance of developing scientific expertise and communication skills to be a successful applied statistician. I received valuable advice, encouragement and support from a number of other senior investigators including Mitch Gail, the previous chief of my branch, and Trisha Hartge, a senior epidemiologist in the Division. At NCI, I was also lucky to meet my long term collaborator Raymond Carroll whose deep knowledge of diverse areas of statistics and intoxicating energy for working on a new problem continue to inspire me!

How would you compare your education in US and India?

I have been very fortunate to get the best of both worlds. My wife and I are very proud alumni of the Indian Statistical Institute where we were able to lay a foundation in mathematical statistics and probability theory, thanks to an outstanding set of dedicated professors. The Institute has one of the best undergraduate and master's training programs in statistics in the world and continues to produce some of the brightest PhD students. My training in applied statistics began at UW where I really benefited from the close relationship between the statistics and biostatistics departments. What I value most about the US education system is the emphasis on, and excitement about, applications. Finally, my training in science and public health began (and continues) at the NCI. I feel very privileged to be at a "happening" place where I can collaborate and learn from so many of the world experts in biostatistics, epidemiology and genetics

Why did you choose NCI as opposed to an academic career ?

I believe that it is important to choose a career based on what you really enjoy and not on institutional affiliation or job title. I have always been excited by the cutting-edge scientific environment of our Division. The unique setting of NIH's "intramural" research program—which provides funded positions and crucial research support—enticed me to stay at NCI and focus on the research program that I started during my post-doctoral training. In many ways, these jobs are not so different from those in academia in terms of research and

Concludes on page 11

One new course each year?

Xuming He writes: I went to college because I thought that I would know all about mathematics after four years in college. By the time I completed my PhD, I felt that I had hardly scratched the surface of my specialization, statistics. As the wise would say, the more you know, the less you *think* you know.

Probably many junior faculty face the same dilemma today. After getting their PhDs, or perhaps after a couple of years of postdoc experience, they plunge into the exciting new world. As they celebrate their achievements, and luck in landing a position as Assistant Professor, they suddenly are swamped with teaching, research, and service. They are told to get more papers published. They are told to get more external funding through grants. At the same, they feel that there is so much that they have to learn, and re-learn. Because of time pressures, many choose to cut back on the time spent teaching by taking on the same courses over and over again. Teaching the same courses may save them preparation time, but I would argue that it is not a good way to advance their careers.

I will start with the obvious: the best way to learn is to teach. Teaching new courses is a sure way to broaden and deepen our understanding of our own discipline. Since junior researchers have the greatest need to learn more, they should be the first in line to teach new courses. My personal experience, if I try to quantify it, tells me that 80% of what I know today was learned after PhD, but more than half of that was accumulated in my earlier years as Assistant Professor. Of course, I cannot stand behind those numbers, but the message is loud and clear. As an Assistant Professor some years ago, I was fortunate enough to be able to teach a wide variety of courses in statistics. I taught the basic graduate level courses such as mathematical statistics and linear models. I taught topics that I was not so familiar with, such as design of experiments and multivariate analysis. Whenever I had a chance to teach a topic course, I included the topics that I wanted to learn myself. That was how I learned Bayesian computation, nonparametric estimation, variable selection and so on. I knew little about these currently active topics. If I had not taught those classes, I would have been at least 50% out of date.

The field of statistics has changed a lot in the last 20 years. I cannot make useful predictions about what will emerge 20 years from now, but I can say with 99% confidence that the challenges that we will be facing will be different from what we know today. Even if you are doing excellent research now in your own field, you will need to be broader, and will need to continue learning both the classical and the emerging ideas and tools, in order to stay ahead. Teaching a wide variety of courses can help achieve this goal.

I suggest that junior faculty teach one new course each year. Department administration needs to provide the necessary support to make this possible. This support should include offering them opportunities to teach a wide range of courses, and helping them develop a broad-based and well-balanced research career. They do not want to become jack-of-all-trades, but narrow-minded researchers risk becoming frogs at the bottom of a well.

In order to learn new things, we should teach new things. Scott Kim's ambigram supports this idea. See more at www.scottkim.com

The benefit of teaching new courses speak for itself. If you teach the same course many times, you will lose enthusiasm. You can be a more inspiring teacher if you are enthusiastic about the material yourself. When you teach a new course, you will better stimulate your brain and think better not just about teaching but about your own research as well. Statistics has developed in such a way that most of its sub-fields are intricately related, so that knowing one subject deeply often aids understanding of another subject. You may develop a new idea on your own research problem partly because of what you see in a seemingly unrelated subject. If you take the challenge to teach one new course each year, you will become a happier statistician over time.

Where can junior faculty find time to teach one new course every year? There are at least three ways that department administration can help. First, offer a reasonable teaching load to junior faculty. Some departments are still asking its faculty to teach two courses each semester. The time needed to teach a new course roughly equals 1.5 times that for a repeat course. It makes sense to equate two new courses to a three-course load. Second, offer good TA support. A good TA can help faculty manage their time better. Third, offer non-conventional topic courses, where two or three faculty members share teaching. This is one way to bring faculty and students together to stay abreast of the latest developments in our field.

Junior faculty may not have a lot of say in their departments, so I hope they get unconditional support from their mentors and their department chairs. By doing so, everyone benefits in the long run and the department can only grow stronger. ▪

Calls for nominations: AWM-SIAM, COPSS

Call for nominations for the AWM-SIAM Sonia Kovalevsky Lecture

Deadline: November 1

The Association for Women in Mathematics (AWM) and the Society for Industrial and Applied Mathematics (SIAM) established the annual Sonia Kovalevsky Lecture to highlight significant contributions of women to applied or computational mathematics. This lecture is given annually at the SIAM Annual Meeting (in 2012, in Minneapolis, MN). The lectureship may be awarded to anyone in the scientific or engineering community whose work highlights the achievements of women in applied or computational mathematics.

This is a jointly-awarded prize (AWM-SIAM). By agreement, AWM and SIAM pay for the winner's expenses to travel to the SIAM meeting and also local expenses. There is no cash award. The Department of Energy is the sponsor covering expenses for this lecture series.

Nominations for this award are solicited. Nominations will remain active for a total of two years (one year beyond the initial nomination). Letters of nomination should include an outline of the nominee's contributions to applied or computational mathematics, a list of some of her most important research papers, and a citation of about 100 words that may be read when introducing the speaker. Nominations are to be submitted as **one** PDF file via mathprograms at https://www.mathprograms.org/db/programs/76. The deadline for nominations is November 1, 2011. Questions? Call 703-934-0163 or email awm@awm-math.org.

2012 COPSS Awards

Please visit http://www.niss.org/copss for details of eligibility and nomination requirements for all these awards. Send nominations preferably by email in PDF format to the committee chairs, as below:

Presidents' Award:

deadline January 15

The **Presidents' Award** is presented annually to a young member of one of the participating societies of COPSS. The award is presented in recognition of outstanding contributions to the statistics profession. It is typically granted (with some exceptions) to an individual who has not yet reached his or her 41st birthday during the calendar year of the award (see COPSS website for more details on eligibility criteria).

Nominations must be sent by **January 15, 2012**, *preferably by email in PDF format*, to:

Tony Cai
Chair,
COPSS Presidents' Award Committee
The Wharton School
Department of Statistics
University of Pennsylvania
Philadelphia, PA 19104-6340
t 215-898-8224
f 215-898-1280
e tcai@wharton.upenn.edu

Elizabeth L Scott Award:

deadline January 15

The **Elizabeth L. Scott Award** is presented biennially (in even years) to an individual who has helped foster opportunities in statistics for women and recognizes an individual who exemplifies the contributions of Elizabeth Scott's lifelong efforts to further the careers of women in academia.

Nominations should be sent by **January 15, 2012** *preferably by email in PDF format*, to:

Francesca Dominici
Department of Biostatistics
Harvard School of Public Health
SPH 2 - Rm 405
e fdominic@hsph.harvard.edu
t 617-432-4908
f 617-432-5619

Fisher Lectureship and Award:

deadline December 15

The **Fisher Lectureship and Award**, awarded annually, was established in 1963 by COPSS to honor the outstanding contributions of the late Sir Ronald Aylmer Fisher, and those of a current statistician, on aspects of statistics and probability that closely relate to the scientific collection and interpretation of data. The award exists to recognize the importance of statistical methods for scientific investigations.

Nominations should be sent by **December 15, 2011** *preferably by email in PDF format*, to:

Ross Prentice c/o Sheri Greaves
Chair,
COPSS Fisher Lecturer Award Committee
Fred Hutchinson Cancer Research Center
1100 Fairview Ave N, M3-A410,
Seattle WA 98109
For federal express: *FHCRC,1212 Aloha Ave, Seattle WA 98109*
t 206-667-6756
e rprentic@whi.org and sgreaves@whi.org

ICSA Pao-Lu Hsu Award

The Pao-Lu Hsu Prize is presented every three years by the International Chinese Statistical Association (ICSA), usually at an ICSA conference, to an individual under the age of 50, who makes influential and fundamental contributions to any field of statistics and probability, and exemplifies Hsu's deep involvement in developing statistics and probability research with significant impact on education.

Hsu, who was born in 1910, was as a pioneer and founder of the newly-formed discipline of statistics and probability in China. Hsu was best known for his rigorous research with depth and breadth, and for his profound impact on younger generations. He became the first professor of statistics and probability at Beijing University in 1940. In 1948, he was elected to the very first class of Academicians of the Chinese Academy of Sciences. He published about 40 articles; see *Pao-Lu Hsu Memorial Collection* published by Peking University Press for more details.

The prize is open to all nationalities. Priorities are given to the candidates whose work contributes greatly to the research and education of Chinese statisticians. The award recipient will speak at an ICSA International Conference. The award includes $3000 in cash prize.

Eligibility

An individual is eligible if he/she has not reached 51 years of age by January 1 following the year of nomination.

Nomination Process

Send the following materials to Award Committee Chair, Professor Xiaotong Shen, via email to the ICSA office oicsa@icsa.org with the subject entitled "PL Hsu Award Nomination". Items below can be sent as pdf, ps or plain text attachments.

(a) Nomination letter which include the following information: nominator's name, mail/email address and phone number; nominee's name, date of birth, title, institutional affiliation, and contact information; a summary of the supportive evidences that are the basis for the nomination. The length of the nomination letter should not exceed 3 pages.

(b) Nominee's current CV

(c) Three letters of recommendation

Deadline

All nominations must be received by February 28, 2012. Subsequent deadlines will be announced by the ICSA.

Additional Information

The ICSA Pao-Lu Hsu Award Committee will review nominations. Nominators and the recipient will be notified by August 2012.

ICSA 泛華統計協會

International Chinese Statistical Association

泛華統計協會

http://www.icsa.org/

SAMSI Programs

SAMSI offers IMS Members ways to be involved in upcoming programs

The Statistical and Applied Mathematical Sciences Institute (SAMSI) is starting its 2011–2012 program on ***Uncertainty Quantification*** (UQ) and held a well-received summer school in Albuquerque, New Mexico, in collaboration with Sandia National Laboratories back in July. Activities on UQ will take place all year at SAMSI. In conjunction with these, the recently formed SIAM UQ activity group will hold its first UQ conference down the road from us in Raleigh on April 2–4, 2012, in cooperation with SAMSI, the American Statistical Association (ASA) and the United States Association for Computational Mechanics (USACM).

During Summer 2012, we will hold not one but two summer programs! ***Computational Advertising*** (CA) is a new field which stems from mathematical research linked to algorithm development for page ranking, information retrieval, queries, auctions and search, in the context of Internet monetization. Deepak Agarwal, Yahoo!, Daryl Pregibon, Google and David Banks, Duke University are the organizers of this program. We will hold a two week program on CA on June 25 – July 7, 2012. On June 25–29, 2012, ***Nonlocal continuum models*** will be investigated. These models are increasingly being considered in mathematical, scientific, and engineering circles to model singular or anomalous behavior such as cracks and fracture in solids and, more generally, by the need to develop multi-scale models.

Plans are also well underway for the 2012–13 SAMSI programs and IMS members will have numerous ways to get involved. Financial support is available for visiting researchers to be resident at SAMSI for periods of one month to one year. Special opportunities exist for young researchers. Several postdoctoral positions will also be funded for each SAMSI program. Workshops and working groups will enable many others to join in the effort. Dedicated workshops will allow graduate and upper level undergraduate students to learn about the latest research and applications in the statistical and mathematical sciences. All involved researchers will get chances to broaden their interests and skill sets, participate in cutting edge interdisciplinary projects and make new connections. New researchers and members of underrepresented groups are especially encouraged to participate in SAMSI workshops and programs.

Our 2012–13 programs are ***Data-Driven Decisions in Healthcare*** and ***Statistical and Computational Methodology for Massive Data Sets.***

The program on Data-Driven Decisions in Healthcare will focus on mathematical and statistical issues related to evidence-based healthcare decision-making. A first principal thrust is Operations Research modeling in healthcare, with emphasis on mathematical modeling and simulation (e.g., discrete-event and agent-based simulations) as evaluation tools. A second, more statistically oriented, theme is Comparative Effectiveness Research to determine what methods, surgeries, medications and behavioral modifications work for whom and for which medical problems.

The program on Statistical and Computational Methodology for Massive Datasets will focus on challenges posed by massive datasets. Data acquisition rates on the order of gigabytes per second necessitate innovative approaches towards computing environments, analysis, and algorithms. Techniques developed for small or moderate-sized datasets simply do not translate to modern massive data sets. Research foci will include: Inference, large scale nonlinear optimization, online streaming and sketching, imaging, data visualization, systems and architectures, as well as applications to astronomy, high energy physics, and the environment.

The organizers for this program include: Michael Jordan, University of California, Berkeley; Karen Kafadar, Indiana University, Bloomington; Michael Mahoney, Stanford University; Steve Sain, NCAR; Jiayang Sun, Case Western Reserve University; and Alexander Szalay, Johns Hopkins University.

For more information about any of the SAMSI activities and the possibilities for participating in them, see the SAMSI website: www.samsi.info.

COPSS Awards

continued from page 7:

Interview with Nilanjan Chatterjee

mentoring. However, in government there is a strong collective sense of the public health mission that I have grown to appreciate over time. It is not often fully appreciated that government statisticians, whether working at NIH, FDA, Census Bureau or other agencies, often make vital contributions that affect our day-to-day lives. I am very proud to represent government statisticians, and certainly humbled to be the first recipient of the award outside traditional academia.

Anything else you would like to share about our profession?

We are living in an era of data. It is a great time to be a statistician or even better, a statistical scientist. But, don't take yourself too seriously.

Finally, what are your hobbies/interests beyond statistics?

I like the outdoors generally, and in particular running. I like traveling and exploring new places. And recently I have developed an interest in playing silly games with my daughter, who just turned six on the day of the award ceremony.

Brazilian Journal celebrates 25th anniversary

The *Brazilian Journal of Probability and Statistics (BJPS)* is an official publication of the Brazilian Statistical Association and is supported by the IMS. Currently three issues a year, with four planned, the journal publishes papers in applied probability, applied statistics, computational statistics, mathematical statistics, probability theory and stochastic processes. Subscription is $100 for IMS members. See http://www.imstat.org/bjps/subscriptions.html

BJPS is marking its quarter-century with a special anniversary issue (Vol. 25, No. 3, 237–238). The preface of this issue is open at http://projecteuclid.org/bjps

Contents of *BJPS* special anniversary issue (Volume 25, Issue 3)

Additive models for quantile regression: Model selection and confidence bandaids, by Roger Koenker

Dispersion models for geometric sums, by Bent Jørgensen and Célestin C. Kokonendji

Stationary infinitely divisible processes, by Ole Eiler Barndorff-Nielsen

Limit theorems for empirical Fréchet means of independent and non-identically distributed manifold-valued random variables, by Wilfrid Stephen Kendall and Huiling Le

On default priors and approximate location models, by Donald Fraser and Nancy Reid

Prediction-based estimating functions: Review and new developments, by Michael Sørensen

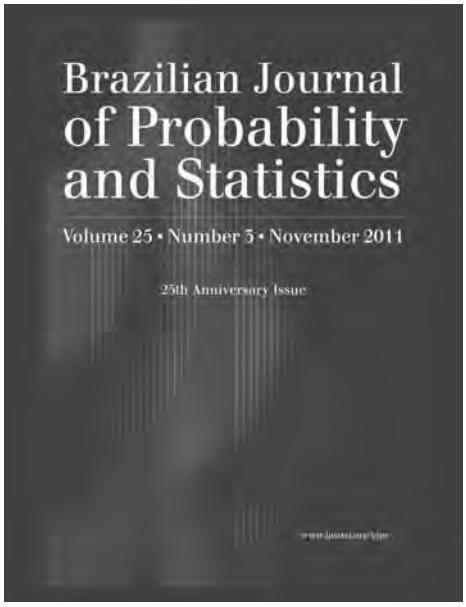
Local linear suppression for wireless sensor network data, by Kristian Lum and Alan E. Gelfand

Modelling particles moving in a potential field with pairwise interactions and an application, by David Brillinger, H. K. Preisler and M. J. Wisdom

Hierarchical wavelet modelling of environmental sensor data, by Anthony Davison and Yann Ruffieux

On improved estimation for importance sampling, by David Firth

Contiguity and irreconcilable nonstandard asymptotics of statistical tests, by Pranab Kumar Sen and Antonio C. Pedroso-de-Lima



Anthony Dodd/Fotopedia

It's that time again…

Nominate someone for IMS Fellowship, or to receive the Harry C. Carver Award, or the Tweedie New Researcher Award. Or apply for the Laha Travel Award for travel to the World Congress in Istanbul.

All the details are at http://imstat.org/awards

Deadlines: Tweedie December 1; Fellows January 31; Carver & Laha February 1

Rick's Ramblings:
Stochastics in Biological Systems

I can't think of a better combination than randomness and biology (unless it is a chilled Sancerre accompanying grilled swordfish with a side of steamed asparagus). The title for this ramble is the topic for the year of activities at the Mathematical Biosciences Institute at Ohio State University. Unfortunately, you have already missed the opening workshop on "New Questions in Probability Arising from Biology," September 12–16. The first two days featured tutorials by Nick Barton on "Pedigrees, Genealogies and Genomes," John White on "Noise in the Nervous System," and Johan Paulsson on systems biology. This was followed by three days of expository talks. Since everything is on the institute website, there is no point in listing all of the names. The organizing committee for workshop #1 (Ruth Williams, Tom Kurtz, Peter March, and I) did as Louis said in *Casablanca*: "Round up the usual suspects."

The point of the conference, and indeed of the whole year, is to increase the number of people working at the interface between probability and biology, which has attracted far fewer researchers than the interface between probability and physics. Perhaps this comes from the nature of the subjects. Problems such as percolation, the Ising model, self-avoiding walk, random polymers, etc., are simple to state and hard to study. In contrast, in my experience of questions from biology, 80% of the problem is figuring out what the right question is, since it must strike a balance between faithfulness to the biological problem and mathematical tractability.

Mike Reed in his article in the *Notices of the American Math Society* (Volume 51, No. 3) asked "Why is Mathematical Biology So Hard?" I will now quote three sentences from his answer: *The phenomena that mathematical biology seeks to understand and predict are very rich and diverse and not derived from a few simple principles. Because of evolution, biological systems are exceptionally diverse, complex, and special at the same time. In addition, one is trying to understand how the behavior of the system at one level arises from structures and mechanisms at lower levels.*

You should read his article to achieve a more coherent picture as well as to see his recommendations about math biology in the undergraduate and graduate curricula, and in faculty hiring. If you are interested in learning about mathematical problems from biology, the MBI program is a great opportunity. The text box (right) lists the workshops for the year. The CTW's are contemporary topics workshops, which are chosen from proposals submitted to MBI. By the time this comes out in print, you will have missed the exciting first one, so I'll restrict my comments to the numbered sequence organized by the program committee of which I am a member, but I'll ignore #6 which has a distinctly different character.

As I write this piece, no speakers are listed for workshop 4, but in all other cases one finds a significant number of biologists participating, and in the case of workshop 3, almost all speakers are biologists or physicists. All of the workshops address important biological topics which involve mathematical questions.

While Google is great for locating products and services, it can be difficult to learn about a topic in math biology by randomly searching for keywords. At these workshops, you will hear experts give talks about recent progress and open problems and will be able to talk to them in the generous breaks in between talks. It is very difficult to make time in our busy lives, especially at this short notice, but if you can you will have an interesting and valuable experience.

Workshops at Mathematical Biosciences Institute at Ohio State University, 2011–2012

[CTW = contemporary topics workshops]

October 10–14, 2011 CTW: Spatio-Temporal Dynamics in Disease Ecology And Epidemiology

October 24–28, 2011 Workshop 2: Stochastic Processes in Cell and Population Biology

November 14–18, 2011 CTW: Free Boundary Problems in Biology

February 6–10, 2012 Workshop 3: Robustness in Biological Systems

February 20–24, 2012 CTW: Recent Advances in Statistical Inference for Mathematical Biology

March 19–23, 2012 Workshop 4: Evolution and Spread of Disease

April 16–20, 2012 Workshop 5: Spatial Models of Micro and Macro Systems

April 30 – May 4, 2012 CTW: Tissue Engineering and Regenerative Medicine

May 7–11, 2012 Workshop 6: Algebraic Methods in Evolutionary and Systems Biology

May 21–25, 2012 CTW: Statistics, Geometry, and Combinatorics on Stratified Spaces Arising from Biological Problems

Terence's Stuff: Advancement

Terry Speed considers the challenges in evaluating the case for career advancement of interdisciplinary statisticians—that must be overcome.

Who among you doesn't want to advance in their career? You? Fine. The solution is entirely in your hands. For everyone else, your academic advancement is in the hands of your department chair and dean, together with the senior colleagues in your department who help with your case. They will decide the matter, with the assistance of others inside and outside your institution.

On the topic of advancement, there are three things I like to see in department chairs and those who advise them. That (a) they regard the development and advancement of the careers of *all* their junior colleagues as their most important job; (b) when it comes to advancement, they put the *best possible* case for their junior colleagues up to the dean, and (c) they happily tolerate *diversity*, and do not pressure junior colleagues to tailor their careers to fit departmental or institutional guidelines for advancement.

I have had many conversations with people about their advancement. I often get asked to help with promotion and tenure cases. I have to write cases and make advancement decisions on behalf of my own junior colleagues. And, I have to go up myself. That's four perspectives, and I've been in the advancement business for nearly fifty years now. What do I think about it, and what have I learned?

I think it takes far too much of peoples' time in some ways, and far too little in others. It can be an irrational and frustrating process, at times damaging for the major player, the one who would be advanced. Occasionally poor decisions are made, though my impression is that common sense generally prevails. However, there is one type of advancement case that challenges many chairs and deans, and that's what I want to talk about.

Hardest of all cases are those for statisticians who spend most of their time in collaborative or interdisciplinary research. Many chairs have little sympathy for—or understanding of—collaborative research, perhaps because it does not usually lead to publications in the statistical journals with which they are familiar. How many chairs out there explicitly *encourage* their junior faculty to aim for publishing in the *Annals*, *JASA* or *Biometrika*, in direct conflict with (c) above? In my experience, quite a few. Are they unaware of the *discouragement* this entails for those engaged in collaborative or interdisciplinary statistical research? To be sure, some people manage to publish papers in these journals as well as carrying out their collaborative research, but that is rare, and needs to be recognised as such. Should it follow that a statistician who currently spends time collaborating productively (i.e. publishing) with scientists in his own non-statistical area but who has no papers in the top-tier statistical journals, who is Co-PI on many collaborative grants but PI on none, is unworthy of promotion in a statistics department? I certainly hope not.

What's the problem? The most frequent concern I hear is the difficulty of evaluating such activities. This is a legitimate point. It can be difficult to discern the amount of effort that went into the statistical contribution to a collaborative paper, particularly for an outside reviewer. Senior colleagues of collaborative researchers are usually aware of the enormous time commitment that their work entails, and senior collaborators can be called upon to support a case for advancement. The extent of the originality or the importance of contribution to a collaboration can be hard to identify, and certainly can't be figured out from the journal's impact factor or the number of citations. There is the obvious point that frequently, there would be no paper at all if the statistician had not analysed the data, but this too can be belittled: someone else, typically less capable, might have done the analysis.

How do we compare people who do collaborative research with those who do disciplinary research, and how do we assess their standing in the profession? All difficult questions, but they should not be grounds for going against (a), (b) and (c) above.

A chair seeking to advance junior faculty who engage in collaborative research needs to work harder than she would otherwise. The research of such applicants must be carefully assessed; she cannot rely on summaries such as the number of publications and the status of the journals in which they appear. She needs qualified reviewers who will read some of the applicant's papers very carefully, and they can be hard to find. All true, but she needs to do it. Institutional guidelines are just that, and the chair's job is to work with and around them to achieve (b) above. Where would our subject be if no-one ever collaborated closely with people from outside statistics? Our profession *needs* collaborative research for its health and future existence. Let's advance it together!

There are many steps to career advancement. Tread carefully!

Flikr/Daniel Villar Onrubia

IMS meetings around the world

IMS Annual Meetings, 2012 & 2014

IMS sponsored meeting

2012 World Congress/IMS Annual Meeting
July 9–14, 2012
Grand Cevahir Hotel & Convention Center, Istanbul, Turkey
w http://www.worldcong2012.org/

The eighth World Congress in Probability and Statistics will be held in Istanbul from July 9 to 14, 2012. It is jointly organized by the Bernoulli Society and the Institute of Mathematical Statistics. Scheduled every four years, this meeting is a major worldwide event for statistics and probability, covering all its branches, including theoretical, methodological, applied and computational statistics and probability, and stochastic processes. It features the latest scientific developments in these fields.

Contacts: Elvan Ceyhan and Mine Çağlar, Co-chairs of the Local Organizing Committee; Arnoldo Frigessi, Chair of the Program Committee.

Istanbul's Bosphorus Bridge connects Europe (on the left) and Asia (right)

IMS sponsored meeting

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

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

Joint Statistical Meetings, 2012–2015

IMS sponsored meeting

2012 Joint Statistical Meetings
July 28 – August 2, 2012
San Diego, CA
w http://amstat.org/meetings/jsm/2012/

IMS Invited Program: Hans Mueller, University of California, Davis **e** mueller@wald.ucdavis.edu; IMS Contributed Program: Fang Yao, University of Toronto **e** fyao2001@gmail.com

Key dates

September 7: Invited session proposal submission deadline
September 30: CE proposal deadline
December 21: Invited Program online
January 13: CTW proposal deadline
February 1: Deadline for submission of abstracts for IOLs, Invited posters, Topic-Contributed and Regular Contributed abstracts, and Roundtables
May 10: Draft manuscript deadline

IMS sponsored meeting

IMS Annual Meeting @ 2013 JSM
August 3–8, 2013
Montréal, Quebec, Canada
w http://amstat.org/meetings/jsm/

IMS sponsored meeting

2014 Joint Statistical Meetings
August 2–7, 2014
Boston, Mass., USA
w http://amstat.org/meetings/jsm/

IMS sponsored meeting

IMS Annual Meeting @ 2015 JSM
August 8–13, 2015
Seattle, Washington, USA
w http://amstat.org/meetings/jsm/

At a glance:

forthcoming IMS Annual Meeting and JSM dates

2012

IMS Annual Meeting @ World Congress: İstanbul, Turkey, **July 9–14, 2012** **w** http://www.worldcong2012.org/

JSM: San Diego, CA, **July 28–August 2, 2012** **w** http://amstat.org/meetings/jsm/2012/

2013

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

2014

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

JSM: Boston, MA, **August 2–7, 2014**

2015

IMS Annual Meeting @ JSM: Seattle, WA, **August 8–13, 2015**

More IMS meetings around the world

IMS sponsored meeting

NEW

14th IMS Meeting of New Researchers in Statistics and Probability
July 26–28, 2012
University of California, San Diego, La Jolla, California, USA

w http://math.ucsd.edu/~nrc2012/

The Meeting of New Researchers in Statistics and Probability is an annual conference organized under the auspices of the Institute of Mathematical Statistics (IMS). The 14th edition will be held on July 26–28, 2012, at the University of California, San Diego. The purpose of the conference is to promote interaction and networking among new researchers in these fields. The participants will present their research via a short expository talk or a poster and mingle throughout the day. There will be longer talks by senior researchers, as well as panels on teaching, on mentoring of graduate students, on publishing and on grant writing.

Note that the meeting is to be held just prior to the 2012 Joint Statistical Meetings (JSM), which will be in downtown San Diego, about ten miles from the conference site of the UCSD campus in La Jolla.

Anyone who has received a PhD in or since 2007, or expects to receive a PhD by the end of 2012, is eligible to attend, though participation is by invitation only. To apply, please submit a letter of interest, curriculum vitae (both in PDF format), as well as a title and an abstract of your presentation, via our website above.

Deadline for receipt of applications is February 1, 2012. Please apply promptly since the number of participants is limited. Higher priority will be given to first time participants. Women and minorities are encouraged to apply. Also, contingent on the availability of funds, we anticipate being able to provide some support for travel and/or housing costs. However, we strongly encourage participants to seek partial funding from other sources.

Black's Beach, La Jolla, is just down the road from the site of the New Researchers' Conference.

IMS co-sponsored meeting

UPDATED

International Statistics Conference 2011
Theme: *Statistical Concepts and Methods for the Modern World*
December 28–30, 2011, Colombo, Sri Lanka

w http://www.maths.usyd.edu.au/u/shelton/SLSC2011/

IMS Rep: Peter Hall. This conference is organized by the Applied Statistics Association of Sri Lanka to unite statisticians from across the world through presenting their latest research findings on theory and applications of statistics. Such a forum will incite greater knowledge in the participants and stimulate further research prospects, as well as venturing to modernize approaches to statistical methodologies in educational curricula in Sri Lanka. Participants will have an opportunity to describe some of their work and the issues involved, share their successes and failures so that others may benefit, and meet with other professional statisticians and those involved in the broader aspects of collecting and analyzing data.

IMS sponsored meeting

The Second IMS Asia Pacific Rim Meeting
July 1–4, 2012
Tsukuba, Japan
w http://www.ims-aprm2012.org/
Program Chairs: Byeong U. Park **e** bupark@stats.snu.ac.kr), Runze Li **e** rli@stat.psu.edu

Meeting postponed from 2011

Since the massive earthquake struck Japan on March 11, the local organizing committee and the scientific program committee decided to postpone the meeting until next year. We have rescheduled it to **July 1–4, 2012**, and moved it to **Tsukuba**, the science city and academic center of Japan, which is about 60km from Tokyo.

We hereby cordially invite you all to attend the meeting next year, when we are certain that you will witness a strong recovery of Japan from one of the most severe natural disasters in recent history.

Akimichi Takemura, LOC Chair; Byeong Park & Runze Li, SC Co-Chairs

IMS co-sponsored meeting

Colloquium in honor of Hans Rudolf Künsch on the occasion of his 60th birthday
October 3–4, 2011, ETH Zurich, Switzerland
IMS Reps: Peter Bühlmann, Marloes Maathuis, Sara van de Geer
w https://stat.ethz.ch/events/Colloquium_Kuensch
Keynote speakers are Jim Berger (Duke University), Stuart Geman (Brown University), Peter Green (University of Bristol). Invited speakers are: Rainer Dahlhaus (University of Heidelberg), Arnoldo Frigessi (University of Oslo), Reinhard Furrer (University of Zurich), Havard Rue (Norwegian Univ. S&T Trondheim), Reto Knutti (ETH Zurich), Christian P. Robert (Université Paris-Dauphine).


Hans R. Künsch

IMS co-sponsored meeting

36th Conference on Stochastic Processes and their Applications
July 29 – August 2, 2013
University of Colorado, Boulder, USA
w http://math.colorado.edu/spa2013/

IMS co-sponsored meeting

International Symposium in Statistics on Longitudinal Data Analysis Subject to Outliers, Measurement Errors, and/or Missing Values
July 16–18, 2012
Memorial University, St. John's, Canada
w www.iss-2012-stjohns.ca
IMS Rep: Brajendra Sutradhar

IMS co-sponsored meeting

International Conference *Ars Conjectandi* 1713–2013
October 15–16, 2013
Basel, Switzerland
w http://www.statoo.ch/bernoulli13/
2013 marks the 300th anniversary of the publication of Jacob Bernoulli's book, *Ars Conjectandi,* in 1713. A meeting has been organized to celebrate this: the "International Conference *Ars Conjectandi* 1713–2013" will be held October 15–16, 2013, in Basel, Switzerland.

IMS Representatives on the program committee are Hans Künsch and Lutz Dümbgen.

ENAR, 2012–2015

IMS sponsored meeting

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

IMS sponsored meeting

2013 ENAR/IMS Spring Meeting
March 10–13, 2013
Orlando, Florida, USA
w http://www.enar.org/meetings.cfm

IMS sponsored meeting

2014 ENAR/IMS Spring Meeting
March 16–19, 2014
Baltimore, Maryland, USA
w http://www.enar.org/meetings.cfm

IMS sponsored meeting

2015 ENAR/IMS Spring Meeting
March 15–18, 2015
Miami, Florida, USA
w http://www.enar.org/meetings.cfm

Other meetings around the world

2011 PQG Conference: Quantitative Issues in Genomic Medicine
November 17–18, 2011
Joseph B. Martin Conference Center at Harvard Medical School

w http://www.hsph.harvard.edu/research/pqg-conference-2011/

Hosted by The Program in Quantitative Genomics at the Harvard School of Public Health. The speakers are: Lon Cardon, Gilbert Omenn, Cecile Janssens, Donald Berry, Sue-Jane Wang, Richard Simon, Keith Baggerly, Robert Califf, Steven Shak, Mitch Gail, Elizabeth Claus, and Paul Pharoah.

The Program in Quantitative Genomics at the Harvard School of Public Health, jointly with the HSPH Department of Biostatistics and the Department of Biostatistics and Computational Biology at the Dana-Farber Cancer Institute will host its fifth two-day conference on November 17–18, 2011 at the Joseph B. Martin Conference at Harvard Medical School.

The conference will be entitled "Quantitative Issues in Genomic Medicine" and will engage an interdisciplinary group of scientists including biostatisticians, computational biologists, clinicians, genetic epidemiologists, and molecular biologists in a discussion centered on three important topics:

- Quantitative issues in personalized medicine, in particular design, analysis and regulatory issues in genetic-based clinical trials
- Reproducibility and validation of genomic signatures in translational medicine, in particular how to assure the quality of genomic discovery science for clinical applications
- Genetic risk prediction, including values and strategies to incorporate genetic information to improve disease risk prediction.

The conference schedule includes time for scientific presentations, as well as time for more informal panel and round-table discussions. A poster session will also be held to display selected abstracts relating to this year's theme. Top abstracts will also either be selected for short talks to be presented at the conference, or for the Stellar Abstract Awards, which provide up to $500 in travel assistance. We hope the conference will spur discussions and future developments in the field and generate a white-paper report.

Contact:

Shaina Andelman **t** 617-432-7449 **e** sandelma@hsph.harvard.edu

Next Generation Sequencing: Technology & Statistical Methods
December 13–16, 2011
University of Alabama at Birmingham

w http://www.soph.uab.edu/ssg/nhgri_r25/firstshortcourse

The University of Alabama at Birmingham's Section on Statistical Genetics is pleased to announce our NHGRI-funded First Annual Short Course on Next Generation Sequencing: Technology & Statistical Methods on December 13–16, 2011 to be held at UAB in Birmingham, AL, and HudsonAlpha Institute for Biotechnology in Huntsville, AL.

Next-generation sequencing technology is impacting almost all aspects of biomedical research. This technology generates an unprecedented wealth of data that demands novel analysis strategies. While IT infrastructure and bioinformatics developments are obviously required to enable sound information extraction, sophisticated statistical methodologies and algorithms are also essential for interpreting the data. We are inviting statisticians, genetic epidemiologists, bioinformaticians, and genome biologists to discuss the statistical challenges and opportunities in next-generation sequencing data analysis. We believe that this conference will provide a venue for exchanging of cutting-edge information and ideas, and fostering collaborations among methodologists, analysts, and biomedical investigators.

Invited speakers:

Greg Barsh, Shawn Levy, Devin Absher, Brandon Boore, Greg Cooper, Jay Gertz, Rick Myers, Paul Scheet, Kimberly Siegmund, Mingyao Li, Suzanne Leal, Shili Lin, & Fuli Yu.

Attendance is limited so please register early. Women, members of underrepresented minority groups and individuals with disabilities are strongly encouraged to apply. For more details, topics and registration, please see the website.

Time Series: Models, Breaks and Applications
February 1–3, 2012
Karlsruhe, Germany

w http://ts-mba.math.kit.edu/

The aim of the workshop is to bring together researchers working on time series models with structural breaks both from a methodological as well as applied point of view.

Other meetings around the world

Second Stochastic Modeling Techniques and Data Analysis International Conference (SMTDA)
June 5–8, 2012
Chania, Crete
w http://www.smtda.net/

The forthcoming International Conference (SMTDA2012) on Stochastic Modeling Techniques and Data Analysis will take place in Chania, Crete, Greece.

The main objective is to welcome papers, theoretical or practical, presenting new techniques and methodologies in the broad area of stochastic modeling and data analysis. An objective is to use the methods proposed for solving real life problems by analyzing the relevant data. Also, the use of recent advances in different fields will be promoted, such as for example, new optimization and statistical methods, data warehouse, data mining and knowledge systems, computing-aided decision supports and neural computing.

Particular attention will be given to interesting applications in engineering, productions and services (maintenance, reliability, planning and control, quality control, finance, insurance, management and administration, inventory and logistics, marketing, environment, human resources, biotechnology, medicine, ...).

For more information and abstract/paper submission and special session proposals please visit the conference website.

44th Journées de Statistique
May 21–25, 2012
Brussels, Belgium
w http://jds2012.ulb.ac.be/

The Journées de Statistique are the most important meeting of the French-speaking statistical community worldwide. All statistical themes, theoretical and applied, are welcome, but special attention will be given to dependent risks and econometrics, biostatistics, high-dimensional data, etc. Contributed talks and posters are welcome both in English and French. For further information, on-line registration, and the submission of abstracts, please visit the website. More information in the next issue.

Important dates:
November 2011: call for contributed talks
January 15 2012: early registration
February 1st 2012: last deadline for submission of contributed talks
March 10 2012: notification of acceptance to authors
April 8 2012: registration fees increase!
April 16 2012: final program issued.
Contact **e** jds2012@ulb.ac.be

First Conference of the International Society for Nonparametric Statistics (ISNPS)
June 15–19, 2012
Chalkidiki, Greece
w http://www.isnpstat.org/ (under construction)

IMS Representative(s) on Program Committees: Soumendra Lahiri

The conference aims to bring together researchers from around the world to discuss latest advances in different topics of current research in nonparametric statistics, including curve estimation, inference for high dimensional and functional data, Bayesian nonparametrics, nonparametric machine learning, resampling methods, and semiparametric inference. The plenary speakers are Emmanuel Candes (Stanford and CalTech), Peter Hall (U Melbourne and UC Davis), and Jon Wellner (U Washington). Special Invited Speakers include Rudy Beran, Peter Bickel, Ray Carroll, Laszlo Gyorfi, Wolfgang Hardle, and Peter Robinson. In addition, there will be about 100 invited paper and contributed paper sessions (3 to 4 speakers each) and several poster sessions.

The venue is the G-Hotel complex http://www.g-hotels.gr/ located 40 miles away from Salonica, Greece's second-largest city. Salonica has an international airport with direct connections to most European capitals.

Important deadlines (registration, abstract submission, etc.) will be announced soon at the meeting's website that is under construction. For more information, and for the submission of contributed talks and posters, please contact the Conference Organizers: M. Akritas, S.N. Lahiri, and D.N. Politis, Ad hoc first executive committee of ISNPS, at the email address: isnps@stat.tamu.edu

8th International Symposium on Statistics
June 20–24, 2012, Purdue University, West Lafayette, Indiana, USA
w www.stat.purdue.edu

See website for further information.

International Statistical Institute: 59th ISI World Statistics Congress
August 24–31, 2013
Hong Kong
w www.isi2013.hk

Includes meetings of the Bernoulli Society, the International Association for Statistical Computing, the International Association of Survey Statisticians, the International Association for Official Statistics, the International Association for Statistics Education, the International Society for Business and Industrial Statistics, and The International Environmetrics Society.

Employment Opportunities around the world

Australia: Melbourne, Victoria
Monash University
Lecturer - Statistics
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8615720

Canada: Vancouver, BC
University of British Columbia
Tenure Track Assistant Professor in Statistical Genomics
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8608368

Canada: Ottawa, ON
University of Ottawa, Department of Mathematics and Statistics
Tenure-track position in statistics
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8747705

Canada: Waterloo, ON
University of Waterloo
Actuarial Science - Tenure-Track
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8516540

Canada: Waterloo, ON
University of Waterloo
Biostatistics - Tenure-Track
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8516498

Canada: Waterloo, ON
University of Waterloo
Statistics -Tenure-Track
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8516413

France: Rennes, France
ENSAI, National School for Statistics & Information Analysis
Research Fellow Biostatistics
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8515810

Hong Kong
The Hong Kong University of Science and Technology
Senior Instructor (rank comparable to Associate Professor)
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8746034

Hong Kong

THE CHINESE UNIVERSITY OF HONG KONG

Applications are invited for:-

Department of Statistics

(1) Professor

(Ref. 1112/026(408)/2) (Closing date: December 1, 2011)

The Department invites applications for a faculty post at the level of Professor. Applicants should have (i) a PhD degree; and (ii) strong research and teaching records in statistics. For this senior level appointment, applicants should have a distinguished research record commensurate with the departmental interest, demonstrated administrative experience including mentoring junior faculty members and postgraduate students, demonstrated success in solicitation of external funding and a distinguished teaching record at undergraduate and postgraduate levels. Applications will be accepted until the post is filled.

(2) Professor(s) / Associate Professor(s) / Assistant Professor(s)

(Ref. 1112/027(408)/2) (Closing date: December 1, 2011)

The Department invites applications for faculty post(s) at all levels. Applicants should have (i) a PhD degree; and (ii) strong research and teaching records in statistics. The appointee(s) will (a) teach undergraduate and postgraduate courses in statistics and risk management; (b) conduct high quality research; and (c) assist in the administration of the Department. Applicants with exceptionally strong credentials may be considered for appointment at the higher levels as Professor or Associate Professor. Applications will be accepted until the post(s) are filled.

Salary and Fringe Benefits
Salary will be highly competitive, commensurate with qualifications and experience. The University offers a comprehensive fringe benefit package, including medical care, a contract-end gratuity for appointments of two years or longer, and housing benefits for eligible appointees. Further information about the University and the general terms of service for appointments is available at *http://www.cuhk.edu.hk/personnel*. The terms mentioned herein are for reference only and are subject to revision by the University.

Application Procedure
Applications (comprising a full curriculum vitae, a detailed list of publications and if available, abstracts of selected published papers) should reach the Personnel Office by post or by fax (no. (852) 3943 1462) by the closing date. The Personal Information Collection Statement will be provided upon request. Please quote the reference number and mark 'Application – Confidential' on cover.

Italy: Milan
Universita Bocconi, Department of Decision Sciences
Assistant Professor Decision Sciences
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8669710

Singapore
Yale-NUS College
Faculty Positions
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8742520

Spain: Barcelona
Universitat Pompeu Fabra
Assistant Professor
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8746511

United States: Auburn, AL
Auburn University
Assistant Professor
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8630650

The IMS New Researchers' SURVIVAL Guide

Read the free PDF online at
http://imstat.org/publications/books/newresearchersguide.pdf

Employment Opportunities around the world

Singapore

National University of Singapore
Department of Statistics & Applied Probability

Applications with a PhD in Statistics or related fields are invited to apply for a full professorship and several assistant/associate professorships in the Department of Statistics & Applied Probability, National University of Singapore. NUS offers competitive remuneration, generous research funding, relocation assistance and other benefits.

Applicants should send application letter, CV, and THREE reference letters by post/email to:

Department of Statistics and Applied Probability
National University of Singapore
6 Science Drive 2
Singapore 117543
e stasec@nus.edu.sg

There is no deadline for applications but the search will continue until all positions are filled.

United States: Los Angeles, CA

UCLA Department of Mathematics

Faculty Positions 2012-2013
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8407075

United States: Santa Barbara, CA

University of California, Santa Barbara
Department of Statistics & Applied Probability

Assistant Professor
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8683341

United States: Stanford, CA

Stanford University

Faculty Opening
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8516768

United States: Stanford, CA

Stanford University

Stein Fellow
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8432752

United States: Los Angeles, CA

University of Southern California
Marshall School of Business

The Statistics group in the Marshall School of Business invites applications for one or more tenure track positions in Statistics beginning in August 2012. The opening is at the assistant level, but applications from exceptional candidates at the associate and full professor level will also be considered. Applicants must display strong research potential as well as excellent teaching skills. Candidates must have a PhD in statistics or a closely related field. Researchers in all areas of statistics are encouraged to apply.

The successful applicant will join a vibrant statistics group of 11 faculty. Remuneration is very competitive. In addition, generous research support for technology and travel is provided for all faculty. Teaching loads are generally low with many faculty completing their teaching assignment in one semester.

Review of applications begins December 1, 2011, and continues until the position is filled. All applicants should send cover letter, CV, and three letters of reference to:

Statistics Search Committee
IOM Department, BRI-401
3670 Trousdale Parkway
Marshall School of Business
University of Southern California
Los Angeles, CA 90089-0809

Direct email inquiries to: charlene.conston@marshall.usc.edu

Information about the IOM Department, its faculty and the Marshall School can be obtained at: www.marshall.usc.edu/iom

The University of Southern California values diversity and is committed to equal opportunity in employment. Women and men, and members of all racial and ethnic groups are encouraged to apply. The Marshall School of Business is set in an academic community of international stature. The University of Southern California combines the strength of a research university with the advantages of a small private college and is the oldest major private university in the West. USC is committed to both teaching and creating knowledge. Only a major research university such as USC makes the breadth of resources and academic programs funded here possible.

Employment Opportunities around the world

United States: Stanford, CA
Stanford University
Asst Prof/Assoc Prof
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8432735

United States: Washington, DC
American University
Assistant Professor
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8779475

United States: Athens, GA
University of Georgia, Department of Statistics
Assistant Professor
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8783856

USA: Atlanta, GA
Georgia Tech
The School of Mathematics at Georgia Tech is accepting applications for faculty positions at all ranks and in all areas of pure and applied mathematics and statistics.

Applications by highly qualified candidates from groups underrepresented in the mathematical sciences are particularly encouraged. See www.math.gatech.edu/resources/employment for more details and application instructions.

United States: Iowa City, IA
University of Iowa
Assistant Professor of Statistics
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8742949

United States: Champaign, IL
University of Illinois at Urbana-Champaign
Associate or Full Professor of Statistics
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8780324

United States: Bloomington, IN
Indiana University
Assistant Professor of Statistics
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=7145820

United States: West Lafayette, IN
Department of Statistics - Purdue University
Assistant Professor
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8545969

United States: Manhattan, KS
Kansas State University
Assistant or Associate Professor
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8748986

United States: Manhattan, KS
Kansas State University
Assistant or Associate Professor
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8748971

United States: Amherst, MA
UMass Amherst & Five Colleges Inc.
Postdoctoral Research Associate
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8668901

United States: Williamstown, MA
Williams College
Assistant Professor of Statistics
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8397181

United States: Brunswick, ME

The Department of Mathematics at Bowdoin College

Statistics Position

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8436857

United States: East Lansing, MI

Michigan State University

Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8619595

United States: Columbia, MO

University of Missouri, Department of Statistics

Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8332793

United States: Springfield, MO

Missouri State University

Mathematics Department Head

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8729750

United States: Philadelphia, PA

United States: Chapel Hill, NC

UNC Department of Biostatistics

Postdoctoral Fellow

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8502143

United States: Chapel Hill, NC

University of North Carolina at Chapel Hill

Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8687789

United States: Research Triangle Park, NC

SAMSI

Postdoctoral Fellow

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8742685

United States: Research Triangle Park, NC

North Carolina State University

Deputy Director of SAMSI

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8584196

United States: Princeton, NJ

Princeton University

Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8597232

United States: Ithaca, NY

Cornell University Dept of Mathematics

The Department of Mathematics at Cornell University invites applications for two H.C. Wang Assistant Professors, non-renewable, 3-year position beginning July 1, 2012. Successful candidates are expected to pursue independent research at Cornell and teach three courses per year. A PhD in mathematics is required. The Department actively encourages applications from women and minority candidates. Applicants must apply electronically at http://www.mathjobs.org. For information about our positions and application instructions, see http://www.math.cornell.edu/Positions/positions.html. Applicants will be automatically considered for all eligible positions.

Deadline December 1, 2011. Early applications will be regarded favorably. Cornell University is an Affirmative Action/Equal Opportunity Employer and Educator.

Employment Opportunities around the world

United States: Ithaca, NY

Cornell University, Department of Mathematics

The Department of Mathematics at Cornell University invites applications for two tenure-track Assistant Professor positions, or higher rank, pending administrative approval, starting July 1, 2012. The searches are open to all areas of Mathematics with an emphasis on the areas of probability, number theory, and PDE. The Department actively encourages applications from women and minority candidates.

Applicants must apply electronically at http://www.mathjobs.org. For information about our positions and application instructions, see: http://www.math.cornell.edu/Positions/positions.html. Applicants will be automatically considered for all eligible positions.

Deadline November 1, 2011. Early applications will be regarded favorably. Cornell University is an Affirmative Action/Equal Opportunity Employer and Educator.

United States: Binghamton, NY

Binghamton University

Assistant/Associate Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8783638

United States: Cincinnati, OH

University of Cincinnati, Department of Mathematical Sciences

Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8683356

United States: College Station, TX

Texas A&M University

Research Scientist

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8713090

United States: Madison, WI

University of Wisconsin-Madison

Asst/Assoc/Full Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8587639

United States: Madison, WI

University of Wisconsin-Madison

Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8587655

United States: Clemson, SC

Clemson University

Department of Mathematical Sciences

The Department of Mathematical Sciences at Clemson University invites applications for tenure-track faculty positions for Fall 2012. The Department includes the areas of algebra and discrete mathematics; analysis; bioinformatics, computational mathematics; mathematics education; operations research; and probability and statistics. Targeted recruiting is for the assistant professor rank, but applicants for all ranks will be considered.

Desirable attributes for candidates include an interdisciplinary research orientation in the mathematical sciences; post-doctoral, industrial, or practical experience; collaborative possibilities with faculty members in the Department and related disciplines; and an interest in innovative applications. Candidates should have strong potential or demonstrated capability for effective research and teaching in probability and statistics. An earned doctorate or equivalent is required for the tenure track positions.

Review of applications will begin on December 1, 2011 and will continue until the positions are filled. Applications received by December 31, 2011 will receive full consideration.

Applicants should indicate their research specialties and interests in their cover letter. Vita, three reference letters, teaching statement and research statement should be electronically filed at www.mathjobs.org.

For further information regarding the department and its programs, please visit the web site http://www.math.clemson.edu

Clemson University is an Affirmative Action/Equal Opportunity employer and does not discriminate against any individual or group of individuals on the basis of age, color, disability, gender, national origin, race, religion, sexual orientation, veteran status or genetic information.

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.

United States: Columbia, SC

UNIVERSITY OF SOUTH CAROLINA

DEPARTMENT OF STATISTICS
Full Professor Position
High-Dimensional Data Analysis

The Department of Statistics at the University of South Carolina invites applications and/or nominations for a tenured Full Professor position in Statistics. The research focus for this position is in the theory, methodology, and computational aspects related to the analysis of high-dimensional data, such as those in bioinformatics, proteomics, and other "-*omics*" studies; brain imaging; remote sensing; astronomy, and statistical learning.

Applicants must have: an outstanding research record and an international reputation; an excellent teaching record at the graduate and undergraduate levels, including direction of doctoral students; a history of successful extramural research funding; and a willingness to collaborate and be involved in inter-disciplinary research. The appointment will commence August 2012. Review of applications will begin November 1, 2011, while closing date for receipt of applications will be December 31, 2011. A curriculum vitae highlighting research, teaching, and service credentials, and at least three letters of reference, are required. Applications and inquiries for the position should be directed to Prof Edsel A. Pena, Chair of Faculty Search Committee, Department of Statistics, University of South Carolina, Columbia, SC 29208 USA. Contact e-mail address is pena@stat.sc.edu.

The Department currently consists of thirteen tenured/tenure-track faculty and three full-time instructors. Current research areas of the faculty and graduate students include Bayesian inference, survival analysis and reliability, statistical shape analysis, latent variable and mixed effects models, highly structured and/or high-dimensional data, simultaneous inference, group and pooled sample inference, psychometrics and educational measurement, and biomedical and environmental applications. The Department has approximately 35 full-time graduate students each year and offers PhD, MS, Master of Applied Statistics (MAS), and BS degrees. For more information about the University and the Department see the websites www.sc.edu and www.stat.sc.edu.

The University of South Carolina has been designated as one of only 73 public and 35 private academic institutions with "very high research activity" by the Carnegie Foundation for the Advancement of Teaching. The Carnegie Foundation also lists the University as having strong community engagement. The University has over 28,000 students on the main campus (and over 43,000 students system-wide), 350 degree programs, and a nationally-ranked library system. Columbia, the capital of South Carolina, has a population of over 650,000 in the greater metropolitan area.

The University of South Carolina is an affirmative action, equal opportunity employer. Women and minorities are encouraged to apply. The University does not discriminate in educational or employment opportunities or decisions for qualified persons on the basis of race, color, religion, sex, national origin, age, disability, sexual orientation, or veteran status.

We've got jobs all over the world! Check the list at www.imstat.org/jobs

International Calendar of Statistical Events

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

October 2011

IMS October 3–4: ETH Zurich, Switzerland. **Colloquium in honor of Hans Rudolf Künsch on the occasion of his 60th birthday w** https://stat.ethz.ch/events/Colloquium_Kuensch

October 12–14: Washington DC/ Silver Spring MD. **Conference on Risk Assessment and Evaluation of Predictions w** http://brac.umd.edu/~Risk2011/Main.htm

October 18–20: Harvard Medical School, Cambridge, Mass. **2011 Non-clinical Biostatistics Conference w** http://www.hsph.harvard.edu/ncb2011/

October 23–27: Pucón, Chile. **Third Latin American Meeting on Bayesian Statistics (COBAL) and XXXVIII Chilean National Meeting of Statistics (JNE) w** http://cobal2011.usach.cl

October 24–26: Knoxville, TN, USA. **NIMBioS Investigative Workshop: Mathematical Modeling of Intracellular Movements w** http://nimbios.org/workshops/WS_intracellular_mv.html

October 28–30: Prague, Czech Republic. **Analytical Methods in Statistics (AMISTAT) w** http://amistat2011.karlin.mff.cuni.cz

November 2011

November 7–9: Łódź, Poland. **Multivariate Statistical Analysis Conference w** http://www.msa.uni.lodz.pl

NEW November 17–18: Joseph B. Martin Conference Center at Harvard Medical School. **2011 PQG Conference: Quantitative Issues in Genomic Medicine w** http://www.hsph.harvard.edu/research/pqg-conference-2011/

November 25–27: Lahore, Pakistan. **3rd International Conference on Statistical Sciences w** http://www.icss3.co.nr/

December 2011

NEW December 13–16: University of Alabama at Birmingham. **Next Generation Sequencing: Technology & Statistical Methods w** http://www.soph.uab.edu/ssg/nhgri_r25/firstshortcourse

December 18–21: Amman, Jordan. **11th Islamic Countries Conference on Statistical Sciences (ICCS-11) w** http://www.iccs11.isoss.net/

IMS December 28–30: Colombo, Sri Lanka. **International Statistics Conference 2011** *Statistical Concepts and Methods for the Modern World* **w** http://www.maths.usyd.edu.au/u/shelton/SLSC2011/

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

January 2012

January 1–6: Hyderabad, India. **22nd Annual Conference of The International Environmetrics Society w** www.ties2012.com/

January 2–4: Kolkata, India. **Contemporary Issues and Applications of Statistics (CIAS2012) w** http://www.isical.ac.in/~cias

January 23–27: Centre International de Rencontres Mathématiques (CIRM), Marseille, France. **Concentration inequalities and their applications w** http://www.cirm.univ-mrs.fr/

February 2012

NEW February 1–3: Karlsruhe, Germany. **Time Series: Models, Breaks and Applications w** http://ts-mba.math.kit.edu/

February 13–17: Sydney, Australia. **MCQMC 2012 w** http://www.mcqmc2012.unsw.edu.au/

April 2012

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

April 18–20: Poznań, Poland. **International Congress of Polish Statistics** to celebrate the 100th anniversary of the Polish Statistical Association **w** http://www.stat.gov.pl/pts/

March 2012

March 14–16: Hong Kong. **IAENG International Conference on Data Mining and Applications 2012** **w** www.iaeng.org/IMECS2012/ICDMA2012.html

March 30–31: Washington DC. **Information and Econometrics of Networks** **w** www.american.edu/cas/economics/info-metrics/workshop/workshop-2012-spring.cfm

May 2012

NEW May 21–25: Brussels, Belgium. **44th Journées de Statistique** **w** http://jds2012.ulb.ac.be/

June 2012

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

Meeting organizer's to do list

June 4–29: University of British Columbia, Vancouver, Canada. **PIMS-Mprime Summer School in Probability** **w** http://www.math.ubc.ca/Links/ssprob12/

NEW June 5–8: Chania, Crete. **Second Stochastic Modeling Techniques and Data Analysis International Conference (SMTDA)** **w** http://www.smtda.net/

NEW June 15–19: Chalkidiki, Greece. **First Conference of the International Society for Nonparametric Statistics (ISNPS)** **w** http://www.isnpstat.org/ (under construction)

June 18–22: MIT, Cambridge, MA, USA. **The 2012 Stochastic Networks Conference** **w** http://stoch-nets-2012.lids.mit.edu/

NEW June 20–24: Purdue University, West Lafayette, Indiana. **8th International Symposium on Statistics** **w** www.stat.purdue.edu

June 23–26: Boston, MA, USA. **ICSA 2012 Applied Statistics Symposium.** **w** TBC

June 25–29: Kyoto, Japan. **2012 ISBA World Meeting** **w** http://www2.e.u-tokyo.ac.jp/~isba2012/

July 2012

ims July 1–4: Tsukuba, Japan. **IMS Asia Pacific Rim Meetings.** **w** http://www.ims-aprm2012.org/ **(meeting postponed from July 2011 due to the earthquake)**

July 3–6: University of Oslo, Norway. **Third biennial International Statistical Ecology Conference** **w** http://www.cees.uio.no/news/2010/isec2012.html

ims July 9–14: Istanbul, Turkey. **IMS Annual Meeting 2012 in conjunction with 8th World Congress in Probability and Statistics.** **w** http://www.worldcong2012.org/

ims July 16–18: Memorial University, St. John's, Canada. **International Symposium in Statistics (ISS) on Longitudinal Data Analysis Subject to Outliers, Measurement Errors, and/or Missing Values** **w** www.iss-2012-stjohns.ca

Continues on **page 30**

International Calendar *continued*

July 2012 continued

July 16–20: Będlewo (near Poznań), Poland. **International Conference on Trends and Perspectives in Linear Statistical Inference [LinStat 2012]**, and **21st International Workshop on Matrices and Statistics [IWMS 2012]** **w** http://linstat2012.au.poznan.pl/

July 17–20: SAMSI, NC, USA. **Nonlocal Continuum Models** *[SAMSI Research Program]* **w** www.samsi.info

NEW ims July 26–28: University of California, San Diego, La Jolla, California. **14th IMS Meeting of New Researchers in Statistics and Probability** **w** http://math.ucsd.edu/~nrc2012/

ims July 28 – August 2: San Diego, California. **JSM2012.** **w** http://amstat.org/meetings/jsm/2012/index.cfm

August 2012

August 6–17: SAMSI, NC, USA. **Computational Advertising** *[SAMSI Research Program]* **w** www.samsi.info

August 26–29: SAMSI, NC, USA. **Data-Driven Decisions in Healthcare** *[SAMSI Research Program]* Opening Workshop **w** www.samsi.info

September 2012

September 9–12: SAMSI, NC, USA. **Statistical and Computational Methodology for Massive Data Sets** *[SAMSI Research Program]* Opening Workshop **w** www.samsi.info

March 2013

ims March 10–13: Orlando, Florida. **2013 ENAR/IMS Spring Meeting.** **w** http://www.enar.org/meetings.cfm

July 2013

ims July 29 – August 2: University of Colorado, Boulder, USA. **36th Conference on Stochastic Processes and their Applications** **w** TBC

August 2013

ims August 3–8: Montréal, Canada. **IMS Annual Meeting at JSM2013.** **w** http://amstat.org/meetings/jsm/

August 24–31: Hong Kong. **International Statistical Institute: 59th ISI World Statistics Congress** **w** www.isi2013.hk

October 2013

ims October 15–16: Basel, Switzerland. **International Conference *Ars Conjectandi* 1713–2013** **w** http://www.statoo.ch/bernoulli13/

March 2014

ims March 16–19: Baltimore, Maryland. **2014 ENAR/IMS Spring Meeting.** **w** http://www.enar.org/meetings.cfm

July 2014

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

August 2014

ims August 2–7: Boston, MA. **JSM2014 and ASA's 175th Anniversary.** **w** TBC

August 2015

ims August 8–13: Seattle, WA. **JSM2015.** **w** TBC

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

Membership and Subscription Information

Journals

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

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

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4: June/July	**May 1**	May 15	June 1
5: August	**July 1**	July 15	August 1
6: September	**August 15**	September 1	September 15
7: Oct/Nov	**September 15**	October 1	October 15
8: December	**November 1**	November 15	December 1

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December 2011

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November 1, then **December 1**

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