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IMS Bulletin

January/February 2013

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2013: International Year of Statistics


Hans Künsch

IMS President Hans Künsch writes: 2013 is a special year for IMS since we celebrate not only the International Year of Statistics, but also the special year for Mathematics of Planet Earth. This gives us unique opportunities to promote the importance of our fields to other scientific communities, to decision makers in politics, business and industry, to students, and to the general public.

We all have experienced the fascination and joy that the analysis of chance, data and uncertainty brings. We are aware of the astonishing achievements that have been made in our field and of the impact and importance it has on our society. We are also convinced that our field can contribute much to solve the challenges that we currently face. However, not all of this is recognized in other scientific areas and among the general public. In particular, statistics is still too often viewed as a dull, marginal or dubious activity with a potential for manipulation and distortion. Hence the International Year of Statistics gives us a platform to reach out and present a more accurate view of our field. The year of Mathematics of Planet Earth allows us in addition to present the contributions of probability and statistics to modeling earthquakes, weather and climate, evolution, epidemics, agriculture, water and other processes.

STATISTICS2013.ORG
INTERNATIONAL YEAR OF STATISTICS

This is best done at the grassroots level. It would be great if many IMS members could contribute, for example by writing articles for the press, or giving lectures to wider audiences. But even if you don't have the capacity or ideas for special activities, it will already make a difference if you mention the celebration of the International Year of Statistics and the year of Mathematics of Planet Earth whenever you have a chance to do so. In particular you can link your webpage to the webpages for these events: http://www.statistics2013.org and http://mpe2013.org

Math 2013

IMS will put all of its ongoing activities under the umbrella of the International Year of Statistics—and, where appropriate, Mathematics of Planet Earth. In addition, we will have a number of special lectures and co-sponsored meetings and special issues of our journals dedicated to this special year. Stay tuned for more announcements!

I look forward to a unique and exciting year for probability and statistics.

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Executive Committee

IMS Members' News

Terry Speed receives Australia's Victoria Prize for Science and Innovation

Terry Speed, who is well-known to readers of the *IMS Bulletin*, is a world leader in bioinformatics. He has been recognized for his pioneering work by the awarding of Australia's $50,000 Victoria Prize for Science and Innovation for Life Sciences.

Professor Terry Speed is head of the Bioinformatics Division of the Walter & Eliza Hall Institute of Medical Research (WEHI). Originally trained in mathematics and statistics, he has had a lifelong interest in genetics. Together with his students and colleagues, Terry has developed methods of analysis now in daily use in research laboratories worldwide underpinning many of the recent advances in medical research. This work has helped to identify areas of the human genome that contribute to cancer, genes that are vital for embryonic development and pinpointing malaria proteins responsible for initiating infection in human red blood cells. He is a Fellow of IMS and the Australian Academy of Science, was awarded the NHMRC Achievement Award for Excellence in Health and Medical Research in 2007 and an Australian Fellowship in 2009. Most recently he was presented with the 2012 Thomson Reuter's Citation Award. According to his colleagues, he is a living Australian treasure. Terry's column is on page 15.

Bob Blumenthal: 1931–2012

From *The Seattle Times*, November 15–18, 2012 Obituaries: "*Robert M. Blumenthal, born February 7, 1931 in Evanston IL, passed away peacefully on November 8, at the age of 81, after several years of dementia. Bob was an accomplished violinist in high school before focusing on tennis, captaining his college tennis team, and winning the Ohio Conference singles title. He graduated from Oberlin in 1952 with a BA in Mathematics, married Sarah Whelpton, and began doctoral studies at Cornell. Upon receiving his PhD in 1956, Bob accepted a position with the UW Math Department, where he was active in researching, teaching and mentoring until his retirement in 1997.*" Bob Blumenthal was an IMS Fellow. An obituary is being written and will be published here soon.

AOAS marks Mathematics of Planet Earth 2013

Dozens of universities, research institutes, foundations, and scientific societies, including the IMS, have joined forces to celebrate 2013 as a special year for the Mathematics of Planet Earth (see cover article). The *Annals of Applied Statistics* has been publishing cutting edge research in this area for five years, including the physical, ecological, and socioeconomic aspects of our planet. As a prelude to MPE2013, the December 2012 issue of the *Annals of Applied Statistics* will feature a special section dedicated to this theme. See forthcoming papers at http://imstat.org/aoas/next_issue.html

Festschrift for David Findley's work

The career and contributions of David Findley, former Senior Mathematical Statistician for Time Series Methods at the US Census Bureau, have been honored with a Festschrift. *Economic Time Series: Modeling and Seasonality,* edited by William Bell, Scott Holan and Tucker McElroy is published by Chapman Hall/CRC Press, with papers by forty-three contributors from fourteen countries. McElroy and Holan's "A Conversation with David Findley" is forthcoming in *Statistical Science*.

David Findley

IMS Journal editors

Several IMS core and co-sponsored publications have new editors, whose three-year terms start January 1, 2013. Timo Seppäläinen is the new editor of the ***Annals of Applied Probability***, taking over from Andrew Barbour. Stephen Fienberg is now Editor-in-Chief of the ***Annals of Applied Statistics***, taking the reins from founding editor Brad Efron. Peter Hall and Runze Li take on the co-editorship of the ***Annals of Statistics***, from Peter Bühlmann and Tony Cai. Two of the co-sponsored publications, the *Journal of Computational and Graphical Statistics* and the *Electronic Journal of Statistics,* also have new editors. Thomas Lee takes over from Richard Levine as editor of the ***Journal of Computational and Graphical Statistics***, and David Ruppert hands over to George Michailidis editorship of the ***Electronic Journal of Statistics***.

Thank you to all the outgoing, incoming and serving editors, and associate editors, for your countless hours of service to our profession.

Find us on Facebook

The IMS has a Facebook page: find us at https://www.facebook.com/IMSTATI. Give us a "like" if you like!

US National Science Foundation support for research in the statistical sciences

Last year the Director of the Division of Mathematical Sciences (DMS) at the US National Science Foundation (NSF), Dr. Sastry Pantula, proposed changing the division's name to the Division of Mathematical and Statistical Sciences. This led to an intense discussion in the community. IMS also collected opinions of members which then were summarized in a report and forwarded to the NSF's Mathematical and Physical Sciences Advisory Committee (MPSAC). This report can be viewed at http://imstat.org/nsf_dms.htm

This summer NSF decided to keep the name of the Division, but MPSAC was asked to form a subcommittee to examine the current structure of support for the statistical sciences within the NSF and to provide recommendations for NSF to consider. The decision letter can be viewed at http://www.nsf.gov/attachments/124926/public/Response_MPSAC_Subcommittee_Report_on_Name_of_Division_of_Mathematical_Sciences_8-16-2012.pdf and the charge to the subcommittee can be viewed at http://www.nsf.gov/attachments/124926/public/Request_to_form_MPSAC_Subcommittee_StatsNSF_8-15-2012_Final.pdf

The subcommittee is co-chaired by Iain Johnstone and Fred Roberts, and it has asked IMS and other societies as well as individuals to provide input. Iain Johnstone wrote, "The committee welcomes such input on any topic relevant to its charge. We ask that your society collect and summarize comments from members in any manner you deem appropriate and send in the summary of comments, including individual comments as you deem appropriate."

The IMS Presidents (current, past and elect) have decided to use a similar procedure to the one used a year ago when we collected opinions about the name-change proposal. An email soliciting input will be sent soon to all our US-based membership which will also be available at http://imstat.org/nsf_dms.htm. If members outside the US would also like to contribute comments, they are welcome to do so.

= access published papers online

IMS Journals and Publications

Annals of Statistics: Peter Hall and Runze Li UPDATED
http://imstat.org/aos
http://projecteuclid.org/aos

Annals of Applied Statistics: Stephen Fienberg UPDATED
http://imstat.org/aoas
http://projecteuclid.org/aoas

Annals of Probability: Krzysztof Burdzy
http://imstat.org/aop
http://projecteuclid.org/aop

Annals of Applied Probability: Timo Seppäläinen UPDATED
http://imstat.org/aap
http://projecteuclid.org/aoap

Statistical Science: Jon Wellner
http://imstat.org/sts
http://projecteuclid.org/ss

IMS Collections
http://imstat.org/publications/imscollections.htm
http://projecteuclid.org/imsc

IMS Monographs and *IMS Textbooks:* David Cox
http://imstat.org/cup/

IMS Co-sponsored Journals and Publications

Electronic Journal of Statistics: George Michailidis UPDATED
http://imstat.org/ejs
http://projecteuclid.org/ejs

Electronic Journal of Probability: Michel Ledoux
http://ejp.ejpecp.org

Electronic Communications in Probability: Anton Bovier
http://ecp.ejpecp.org

Current Index to Statistics: George Styan
http://www.statindex.org
log into members' area at imstat.org

Journal of Computational and Graphical Statistics: Thomas Lee UPDATED
http://www.amstat.org/publications/jcgs
log into members' area at imstat.org

Statistics Surveys: Lutz Dümbgen
http://imstat.org/ss
http://projecteuclid.org/ssu

Probability Surveys: Laurent Saloff-Coste
http://imstat.org/ps
http://www.i-journals.org/ps/

IMS-Supported Journals

Annales de l'Institut Henri Poincaré (B): Thierry Bodineau & Lorenzo Zambotti http://imstat.org/aihp
http://projecteuclid.org/aihp

Bayesian Analysis: Herbie Lee
http://ba.stat.cmu.edu

Bernoulli: Richard Davis
http://www.bernoulli-society.org/
http://projecteuclid.org/bj

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

Stochastic Systems: Peter W Glynn
http://www.i-journals.org/ssy/

IMS-Affiliated Journals

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

Probability and Mathematical Statistics: K. Bogdan, M. Musiela, J. Rosiński, W. Szczotka, & W.A. Woyczyński
http://www.math.uni.wroc.pl/~pms

Blackwell Lecture


David Blackwell

Contributing Editor Peter Bickel writes:

David Blackwell died on July 8, 2010. Since that time there have been a number of celebrations of his life and accomplishments: memorial sessions in Berkeley in October 2010, at the Information Theory and Applications Workshop in San Diego in March 2011, at a conference in his honor at Howard University in March 2012, and at the JSM in San Diego in August 2012. A broad perspective on his life and works presented by a collection of his admirers appeared in the *Notices of the American Mathematical Society* in August 2011, and an account appeared in this *Bulletin* in October 2010. His remarkable life and achievements bear at least a brief retelling.

Born in 1919 in Centralia, Illinois, Blackwell earned his PhD at the age of 22, at UIUC under the mentorship of Joseph Doob. Following an initial period in which he built up Mathematics at Howard University, his academic life was spent in the Statistics Department at UC Berkeley. During his lifetime he made fundamental contributions in at least seven areas of the mathematical sciences and statistics. These include the Rao-Blackwell theorem, comparison of experiments (which he essentially founded), the foundations of dynamic programming, information theory, queueing and renewal theory, and mathematical logic.

All but one of these works resulted in a "Blackwell" object, the Blackwell channel, the Blackwell renewal theorem, and Blackwell games. The Howard conference in March had presentations by a number of distinguished speakers on all of these areas. A recurring topic in their presentations were the difficulties that Blackwell had to endure as an African-American, and his contributions to minority (as well as general) education as a superbly gifted teacher, a remarkable scholar and a highly acclaimed scientist, member of the National Academy of Sciences, member or fellow of other learned societies and holder of 11 honorary doctorates. Featuring last, but not least, were people's memories of Blackwell as a person: he was kind, modest, and not bitter but optimistic.

To honor Blackwell's life and achievements a group of colleagues proposed to the IMS that money be raised for the institution of Blackwell Lectures, to run in some parallel fashion with the Wald, Rietz, Neyman, Le Cam, and Schramm Lectures. The necessary funds were collected quickly [*thanks again to the donors listed in the previous issue*] and the IMS President and Council acted with speed.

The purpose of this David Blackwell Lecture is to honor Blackwell, to keep his name alive and to inspire young people to emulate his achievements. The first lecture is expected to be presented in 2014. We'll bring you more news about the inaugural lecture as plans develop.

Myrto Lefkopoulou Distinguished Lecture at Harvard School of Public Health

HARVARD School of Public Health

The annual Myrto Lefkopoulou Distinguished Lecture was initiated in 1993 in memory of Myrto Lefkopoulou, a former beloved faculty member and student in the Department of Biostatistics. Dr. Lefkopoulou tragically died of cancer in 1992 at the age of 34 after a courageous two-year battle.

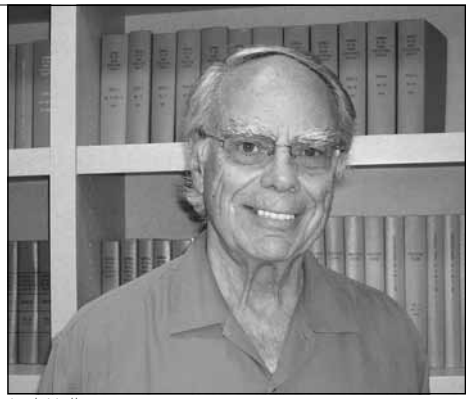
Each year the Myrto Lefkopoulou Lectureship is awarded to a promising biostatistical scientist who has made contributions to either collaborative or methodologic research in the applications of statistical methods to biology or medicine and/or excellence in the teaching of biostatistics. Ordinarily, the lectureship is given to an individual within 15 years of receiving an earned doctorate. In the case of nominees without an earned doctorate, the Committee will make a relative adjustment of time in keeping with the spirit of the selection process. The lecture is targeted at a general scientific audience and is the first Department colloquium of each academic year. The lectureship includes travel to Boston, a reception following the lecture, and an honorarium of $1000.

Previous lecturers: Rafael Irizarry, Jeffrey Morris, David Dunson, Xihong Lin, Heping Zhang, Francesca Dominici, Jianqing Fan, Mark van der Laan, Geert Molenberghs, Marie Davidian, Danyu Lin, Bradley Carlin, Steven Goodman, Giovanni Parmigiani, Kathryn Roeder, Ronald Brookmeyer, Trevor Hastie, Hans-Georg Mueller, and Louise Ryan.

Nominations for next year's lectureship are being solicited and should be sent to the *Myrto Lefkopoulou Lecture Committee, Department of Biostatistics, Harvard School of Public Health, 655 Huntington Avenue, Boston, MA 02115.* Nominations should include a letter of nomination and a CV. The deadline for submission of nominations is March 31, 2013.

Obituary: W. Jackson Hall

1930–2012


Jack Hall

W. Jackson "Jack" Hall, PhD, Fellow of the IMS, Emeritus Professor of Statistics and Professor in the Department of Biostatistics and Computational Biology at the University of Rochester, died peacefully on October 14, 2012, at age 82. In the course of his long and highly distinguished career, Jack made deep and influential contributions in many areas of statistics, including decision theory, Bayesian statistics, survival analysis, semiparametric inference and sequential analysis. In more recent years, he used his expertise in sequential analysis to work extensively with medical colleagues on developing innovative statistical designs for clinical trials in cardiology.

Jack was educated at Johns Hopkins University, the University of Michigan and UNC Chapel Hill, where he received a PhD in Statistics in 1955 under Wassily Hoeffding. In 1953–4 he attended the Universities of Manchester and Cambridge as a Fulbright Scholar. After a spell at what is now the Center for Disease Control and Prevention in Atlanta (helping to track down the faulty batches of the Salk polio vaccine) he took a faculty position at UNC Chapel Hill, where he became full professor in 1965. He moved to Rochester in 1969 to chair the new Department of Statistics. He was also a key figure in the establishment of the Division of Biostatistics, the forerunner of the current department. Jack held visiting positions at Stanford, Berkeley, Sheffield, Seattle, Reading, Oxford and Sydney. Jack was a fellow of IMS, ASA and the American Association for Advancement of Science, and an elected member of the ISI.

Jack was known for his devotion to teaching, including advising graduate students. At Chapel Hill he played a pivotal organizational role in maintaining the graduate program at a time of transition, and advised several PhD students. At Rochester he established the Statistics graduate program and advised a total of 12 PhD students. Many of Jack's students have since gone on to distinguished careers. Jack was the first recipient of the University of Rochester Lifetime Award for Graduate Education in 2004. Common themes in the many letters of support included the care and attention he gave to his students, his detailed reading of their dissertations, and help with personal matters from the time they came to Rochester till they graduated and later. Many became family friends.

Jack published over 150 papers. A number of early papers, some co-authored with Alexander Langmuir, described the spread of the 1955 polio outbreak and the methods taken to monitor it. His research interests spanned a huge range of modern statistical activity including sequential analysis (with Aiyu Liu, Benjamin Yakir, and Robert Loynes), sufficiency and invariance (with Robert Wijsman and Jayanta K. Ghosh); contiguity theory (with Robert Loynes); efficiency issues in semiparametric estimation and testing (with Wei-Min Huang, Sungsub Choi and Anton Schick, David Mathiason, Jon Wellner); Bayes procedures (with Siddartha Dalal, Melvin Novick); large deviations and *p*-values (with Diane Lambert); and survival analysis (with Jon Wellner, Debajyoti Sinha).

In a landmark collaboration encouraged by the editors of the *Annals of Mathematical Statistics*, E. L. Lehmann and J. L. Hodges, Jack's 1965 paper with Robert Wijsman and Jayanta K. Ghosh provided the statistical community with an important paper on the subtle connections and interactions between sufficiency and invariance and applications to sequential analysis. As indicated in the paper, the basic facts were discovered "before 1950" by Charles Stein and re-discovered independently by Don Burkholder in 1958 before being rediscovered (again independently) by each of the three co-authors in the late 1950s and early 1960s.

Jack's interest in sequential analysis continued throughout his career, beginning with his work on sequential versions of Stein's two-stage test in the early 1960s, and continuing until work in the period 2001–3 with Benjamin Yakir and Aiyi Liu. Much of this research also interacted substantially with his applied work on cardiology clinical trials, with Arthur Moss and others, at the University of Rochester Medical Center.

Jack remained active professionally until ill-health forced him to retire in July 2012. He was a devoted husband and father and an avid outdoorsman who loved to ski and cycle. In addition to his wife, Nancy, he is survived by children Rebecca, Bryan, and Kay Cohen, stepchildren Barbara and Edwin Hufsmith, and seven grandchildren. His daughter Jacqueline Minet predeceased him. The Department of Biostatistics and Computational Biology at the University of Rochester department has set up the William Jackson Hall Graduate Student Fellowship as an enduring tribute to Jack's legacy and influence on the Statistics doctoral degree program and its students. For information on making a donation to this fund in Jack's memory, please contact the department chair, Robert Strawderman (robert_strawderman@urmc.rochester.edu).

David Oakes, Jon Wellner, Robert Strawderman & Siddhartha Dalal

Recent papers

Electronic Communications in Probability: Vol 17, 2012

Access papers at http://ecp.ejpecp.org/

Electronic Communications in Probability (*ECP*) publishes short research articles in probability theory. Its sister journal, the *Electronic Journal of Probability* (*EJP*—see page 8), publishes full-length articles in probability theory. *EJP* and *ECP* share the same editorial board, but with different Editors in Chief. EJP and ECP are free access official journals of the IMS and the Bernoulli Society.

1. Recurrence of the $\mathbb{Z}^d$-valued infinite snake via unimodularity . . . . . ITAI BENJAMINI, NICOLAS CURIEN
2. A percolation process on the binary tree where large finite clusters are frozen . . . . . JACOB VAN DEN BERG, DEMETER KISS, PIERRE NOLIN
3. Almost sure asymptotics for the number of types for simple Ξ-coalescents . . . . . FABIAN FREUND
4. Concavity of entropy along binomial convolutions . . . . . ERWAN HILLION
5. A counterexample to rapid mixing of the Ge-Stefankovic process . . . . . LESLIE ANN GOLDBERG, MARK JERRUM
6. Martingale approach to subexponential asymptotics for random walks . . . . . DENIS E DENISOV, VITALI WACHTEL
7. Influence of the initial condition in equilibrium last-passage percolation models . . . . . ERIC A. CATOR, LEANDRO P. R. PIMENTEL, MARCIO W. A. SOUZA
8. Erratum: A connection between the stochastic heat equation and fractional Brownian motion, and a simple proof of a result of Talagrand . . . . . CARL MUELLER, ZHIXIN WU
9. An isomorphism theorem for random interlacements . . . . . ALAIN-SOL SZNITMAN
10. Large deviations for the local times of a random walk among random conductances . . . . . WOLFGANG KÖNIG, MICHELE SALVI, TILMAN WOLFF
11. Products of free random variables and *k*-divisible non-crossing partitions . . . . . OCTAVIO ARIZMENDI, CARLOS VARGAS
12. A note on linearization methods and dynamic programming principles for stochastic discontinuous control problems . . . . . DAN GOREAC, OANA SILVIA SEREA
13. Laha-Lukacs properties of some free processes . . . . . WIKTOR EJSMONT
14. Tail inequalities for sums of random matrices that depend on the intrinsic dimension . . . . . DANIEL HSU, SHAM M. KAKADE, TONG ZHANG
15. On the most visited sites of planar Brownian motion . . . . . VALENTINA CAMMAROTA, PETER MÖRTERS
16. Universality of asymptotically Ewens measures on partitions . . . . . JAMES YUANJIE ZHAO
17. High-dimensional Gaussian fields with isotropic increments seen through spin glasses . . . . . ANTON KLIMOVSKY
18. Erratum: maximal arithmetic progressions in random subsets . . . . . ITAI BENJAMINI, ARIEL YADIN, OFER ZEITOUNI
19. A note on large deviations for 2D Coulomb gas with weakly confining potential . . . . . ADRIEN HARDY
20. On the number of cycles in a random permutation . . . . . KENNETH MAPLES, ASHKAN NIKEGHBALI, DIRK ZEINDLER
21. Bounds for characteristic functions in terms of quantiles and entropy . . . . . SERGEY G. BOBKOV, GENNADIY P. CHISTYAKOV, FRIEDRICH GÖTZE
22. A 0-1 law for vertex-reinforced random walks on $\mathbb{Z}$ with weight of order $k\alpha$, $\alpha \in [0,1/2)$ . . . . . BRUNO SCHAPIRA
23. Some infinite divisibility properties of the reciprocal of planar Brownian motion exit time from a cone . . . . . STAVROS VAKEROUDIS, MARC YOR
24. Pathwise construction of stochastic integrals . . . . . MARCEL NUTZ
25. Testing the finiteness of the support of a distribution: a statistical look at Tsirelson's equation . . . . . SYLVAIN DELATTRE, MATHIEU ROSENBAUM
26. Exponential–uniform identities related to records . . . . . ALEXANDER GNEDIN, ALEXANDER MARYNYCH
27. On a concentration inequality for sums of independent isotropic vectors . . . . . MICHAEL CRAIG CRANSTON, STANISLAV ALEKSEEVICH MOLCHANOV
28. A note on the Marchenko-Pastur law for a class of random matrices with dependent entries . . . . . SEAN O'ROURKE
29. Compound Poisson approximation for triangular arrays with application to threshold estimation . . . . . PAVEL CHIGANSKY, FIMA KLEBANER
30. Concentration estimates for the isoperimetric constant of the supercritical percolation cluster . . . . . EVIATAR B. PROCACCIA, RON ROSENTHAL
31. On the infinite sums of deflated Gaussian products . . . . . ENKELEJD HASHORVA, LANPENG JI, ZHONGQUAN TAN
32. Interacting particle models and the Pieri-type formulas : the symplectic case with non equal weights . . . . . MANON DEFOSSEUX
33. Strong solutions of jump-type stochastic equations . . . . . ZENGHU LI, FEI PU
34. Probabilistic representation of fundamental solutions to $\partial u / \partial t = \kappa_m \partial^m u / \partial x^m$ . . . . . ENZO ORSINGHER, MIRKO D'OVIDIO
35. Scaling limits of recurrent excited random walks on integers . . . . . DMITRY DOLGOPYAT, ELENA KOSYGINA
36. Convergence in law in the second Wiener/Wigner chaos . . . . . IVAN NOURDIN, GUILLAUME POLY
37. On the distribution of critical points of a polynomial . . . . . SNEHA DEY SUBRAMANIAN

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The XL-Files: *Statisticians' Impact: From Backyard to Bedroom?*

Photo: Harvard University

Our new Contributing Editor, Xiao-Li Meng, used to be Chair of Harvard's Department of Statistics, and has recently been appointed Dean of the Graduate School of Arts and Sciences at Harvard University. In his first column he writes:

When Editors Dimitris Politis and Tati Howell invited me to be a Contributing Editor, it was well within the first 100 days of my wearing a new hat. I accepted the invitation immediately. Albeit still enjoying my honeymoon, I already had ample data to convince myself that the shortest article I could ever produce must be "Jokes for Deans" (not "Jokes of Deans"!). I therefore particularly appreciated the Editors' enticing line, "We both like the way you write and appreciate your humor."

Thank you, Dimitris and Tati! Fully appreciating the humor in this column will require years of statistical (and often Bayesian) training. Therefore, I now at least have a chance to offend someone without having to first remove my new hat!

All right, enough about my new hat. The "XL" label of this column is for Extra Laugh (inspired by the nickname Andrew Gelman gave me: Extra Large). But do take me seriously, as I intend to brag about our profession in a most serious way.

The most cited bragging line for statisticians must belong to Tukey: statisticians get to "play in everyone's backyard." Considering the ever-enhanced roles statisticians now take, I ventured in Meng (2009, *American Statistician*, **63**, 202–210) to update the metaphor: "We are now being invited to everyone's study or living room, and trusted with the task of being their offspring's first quantitative nanny."

But soon I realized that this metaphor still portrays statisticians as guests or temporary helpers, not fully reflecting that increasingly we are becoming serious partners, rather than mere consultants. Metaphorically, therefore, "bedroom" seems to be a better choice than "living room" to reflect how seriously we statisticians now are involved in substantive investigations. Indeed, at least to some, the bedroom is where intricacy, intimacy—even intimidation—take place. These associations are not inappropriate for our metaphorical purposes, considering the intricate problems we are often asked to handle, the intimate substantive knowledge we are somehow expected to have, and the mutual intimidation resulting from different jargons or perspectives in collaborations.

You may love or hate this metaphor, but, either way, I cannot take the (full) credit. The inspiration came from a story about my academic "grandfather," William Cochran, as told by one of his daughters.

Cochran was asked to examine a study on the effectiveness of natural birth control conducted in rural villages in a developing country. Due to resource and literacy constraints in these areas, the researcher gave each couple in the treatment group a "bead calendar" that was designed specifically for each woman. Beads were ordered by alternating bands of color, with red corresponding to the days to avoid mating, and green the "safe" days. The couples were instructed to count the beads and check the color before having intercourse. The study yielded results that were puzzling to the investigators, so Cochran was brought in. He quickly determined that the investigators had overlooked a simple fact. Those villages had no electricity: in darkness all colors looked green (or so the women were told by their husbands…)

I have my own link between statistics and the bedroom. A couple of years ago a young fellow introduced himself with the best compliment of my life: "Your article saved my marriage."

It turned out that he was referring to the aforementioned 2009 article, which included a "parking dilemma" for teaching the trade-off between efficient and robust strategies. The parking garage I use has seven floors, and there are always spaces available on the highest floor. Parking on the lowest available floor is efficient, *if* I can remember which floor when I return late in the evening. Otherwise the robust strategy of always parking on the seventh floor is preferred, because it saves me walking up and down the stairs in the wee hours.

Apparently, this young fellow and his wife were frustrated by a similar parking issue for their shared car, often not remembering/knowing where it was parked, but blaming each other. As the frustration escalated from parking lot to bedroom, my young fan was delighted to discover the simple solution offered in my article: always park in that seemingly least convenient spot.

Future XL Files will provide similar stories to lighten up your days. Drawing upon my experiences and observations, I plan to tell stories about statisticians in countless roles: mentor, researcher, educator, editor, writer, leader, speaker, negotiator, consultant, world traveler, philosopher, psychologist, historian, police officer, entertainer, meeting organizer, even angler and wine connoisseur. But if nothing lights you up, and you prefer to use the XL Files to put you to sleep, I'll still be perfectly happy, because they'll be in your bedroom!

Recent papers: *ECP continued*

38. Large deviation results for random walks conditioned to stay positive . . . RONALD A DONEY, ELINOR MAIR JONES
39. A set-indexed Ornstein-Uhlenbeck process . . . PAUL BALANÇA, ERICK HERBIN
40. One dimensional annihilating and coalescing particle systems as extended Pfaffian point processes . . ROGER TRIBE, JONATHAN YIP, OLEG ZABORONSKI
41. Transience and recurrence of rotor-router walks on directed covers of graphs . . . WILFRIED HUSS, ECATERINA SAVA
42. The Liouville and the intersection properties are equivalent for planar graphs . . . ITAI BENJAMINI, NICOLAS CURIEN, AGELOS GEORGAKOPOULOS
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102. Correlation-length bounds, and estimates for intermittent islands in parabolic SPDEs . . . . . DANIEL CONUS, MATHEW JOSEPH, DAVAR KHOSHNEVISAN

SAMSI News

SAMSI Director on Board on Environment Change and Society for National Research Council Report Issued on Climate and Social Stress: Implications for Security Analysis

Richard Smith, Director of the Statistical and Applied Mathematical Sciences Institute, (SAMSI) is participating on the Committee on Assessing the Impacts of Climate Change on Social and Political Stresses for the US National Research Council. The committee recently released a report that looks at climate change and possible security threats that could arise from extreme weather events.

The report describes the need for the US intelligence community to monitor warnings of a wide variety of security threats that may affect the United States. More and more scientific evidence is accumulating that the global climate is changing and as more extreme climate events are occurring, there are new stresses on societies around the world that are creating possible security risks for the United States. Many of these extreme climate events, such as hurricanes, heat waves, and droughts, are sometimes exceeding the capacity of affected countries to cope and respond to its citizens.

The connections between the harm suffered from climate events and the political and social outcomes of security concerns has had little attention from the scientific community. The report suggests that the United States Global Change Research Program (USGCRP), along with various science and mission agencies work with the intelligence community to develop priorities for research on climate vulnerability and adaptation. The research should focus on items such as quantifying the likelihood of disruptive climate events, improving the understanding of the conditions under which climate-related natural disasters and disruptions of critical systems of life support do or do not lead to important security-related outcomes. Committee members also suggest that the US government should develop a systematic whole-of-government strategy for monitoring threats related to climate change.

"There is already a lot of concern about extreme weather events and their possible association with human-caused climate change. Of course we are most concerned about events that directly affect us, such as hurricanes or flooding in North Carolina, but this report shows why we also need to think about events that occur in distant parts of the world," remarked Smith.

SAMSI has had several research programs covering statistical questions associated with climate change, including the current program on Statistical and Computational Methodology for Massive Datasets, which includes a working group on Environment and Climate. Extreme events and their impacts are a topic of major interest to statisticians and applied mathematicians as well as to climate scientists. SAMSI's website, www.samsi.info, has many presentations and links to some of the research that was conducted during these programs.

SAMSI Neuroimaging Data Analysis Summer Program

SAMSI is holding a summer program on Neuroimaging Data Analysis (NDA) June 4–14, 2013, at SAMSI in Research Triangle Park, North Carolina. This two-week workshop will begin with five days of training courses focused on structural and functional neuroimaging data analysis, taught by leading researchers in the field, to bring everyone up to speed on currently used methodology. The second week will combine working groups held in the afternoons with a workshop held in the mornings. Twenty invited distinguished speakers will address major areas and cutting edge research in NDA. There will also be a poster session allowing participants to present their ideas.

The term "Neuroimaging Data Analysis" encompasses a broad array of imaging, mathematical, and statistical methods for the analysis of neuroimaging data. NDA is used to extract pertinent information from imperfect and noisy images from the brain.

To learn more about the NDA summer program, or to apply, go to the SAMSI website, www.samsi.info. Applications received before March 15 will receive full consideration. Applications after that date will still be considered if slots remain open.

Program on Low-dimensional Structure in High-dimensional Systems

The LDHD 2013–14 program will begin with an Opening Workshop from September 8–12, 2013. On Sunday, September 8 there will be tutorials lectures by leading researchers. From Monday to Wednesday, invited speakers will address specific research topics relevant to Working Groups in the program, which will be formed on September 11. A poster session and reception will take place on Monday, September 9. Immediately following the workshop, on Thursday and Friday, the Working Groups will convene at SAMSI. In these meetings, each working group will identify initial research activities and relevant datasets for the program year. These foci will, of course, evolve over the year, and Working Groups may either merge or emerge as research progresses.

The Opening Workshop will provide an overview of the core topics relevant to the LDHD program, which is devoted to the development of methodological, theoretical, and computational treatment of high-dimensional mathematical and statistical models. For a more detailed description of the topics to be covered, see the LDHD homepage at http://samsi.info/LDHD. For additional information about the program, send e-mail to ldhd@samsi.info

IMS Monograph: Large-Scale Inference

We live in a new age for statistical inference, where modern scientific technology such as microarrays and fMRI machines routinely produce thousands and sometimes millions of parallel data sets, each with its own estimation or testing problem. Doing thousands of problems at once involves more than repeated application of classical methods.

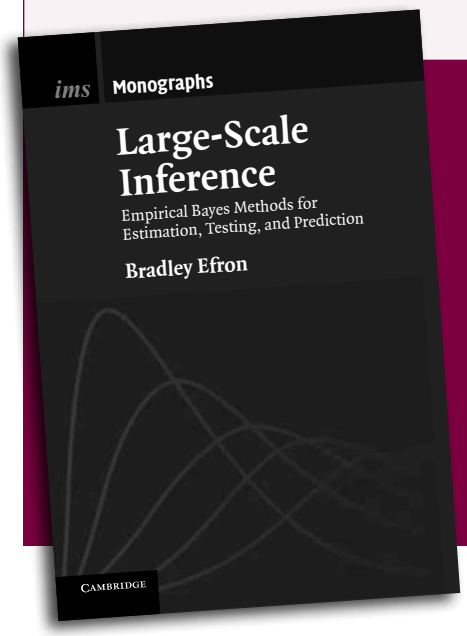
Taking an empirical Bayes appraoch, Bradley Efron, inventor of the bootstrap, shows how information accrues across problems in a way that combines Bayesian and frequentist ideas. Estimation, testing, and prediction blend in this framework, producing opportunties new methodologies of increased power. New difficulties also arise, easily leading to flawed inferences. This book takes a careful look at both the promise and pitfalls of large-scale statistical inference, with particular attention to false discovery rates, the most successful of the new statistical techniques. Emphasis is on the inferential ideas underlying technical developments, illustrated using a large number of real examples.

"In the last decade, Efron has played a leading role in laying down the foundations of large-scale inference… We are indebted to him for this timely, readable and highly informative monograph, a book he is uniquely qualified to write… His avowed aim is 'not to have the last word' but to help us deal 'with' the burgeoning statistical problems of the 21st century'. He has succeeded admirably."

Terry Speed, *International Statistical Review*

"Typical of Efron's work, the book presents fresh ideas, charts new ground, and lays an impressive theory, much of which he developed single-handedly… We can expect a superb learning experience, from Efron, and his pedagogical style delivers. The book is written carefully and thoughfully, with ample mathematical detail to make the concepts clear."

Peter Westfall, *JASA*



SPECIAL OFFER

The price of Bradley Efron's IMS Monograph *Large-scale Inference* has been reduced:

IMS Member price now only $44.40 in hardback and $23.99 in the NEW paperback edition

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IMS Child Care Initiative

The IMS Child Care Initiative is designed to encourage and support the participation at IMS Annual Meetings of IMS members who have child care responsibilities. This year's IMS Annual Meeting takes place at the Joint Statistical Meetings in Montreal, Canada, from August 3–8, 2013. See http://amstat.org/meetings/jsm/2013/

The IMS will reimburse members 80% of the costs of privately-arranged child care (for a dependent under the age of 13) at JSM, up to a maximum of US$250 per family. Priority will be given to those presenting papers or posters at the meeting.

A letter requesting funds must be submitted to IMS Executive Director, Elyse Gustafson, at the IMS office (see below for address) by June 1. The letter should include:

- the member's name and email address,
- copy of meeting registration, and (if applicable) receipt for abstract submission,
- projected amount of child care expenses for the time of the meeting.

After the meeting, submit a complete receipt showing total cost of child care, dates of care and names and birth dates of dependents; and the member's name and address.

If, instead of hiring a child care provider, the member choses to bring an unpaid family member/friend to the JSM to provide child care, the IMS can reimburse 80% of the cost of travel, up to $250.

Laha Travel Awards: *application deadline extended to March 1*

The IMS Laha Awards provide funds for students and new researchers to travel to present a paper at the IMS Annual Meeting (at JSM Montreal this year: http://amstat.org/meetings/jsm/2013/)

The application deadline has been extended to March 1, 2013.

In selecting these awards, first priority is given to students, second priority to New Researchers within 2 years of PhD degree at the date of the meeting. Applicants must be members of IMS, though joining at the time of application is allowed. And don't forget that student membership is free (see http://www.imstat.org/membership/student.htm for details) and New Researchers also qualify for substantially reduced rates. To become a member, please see http://www.imstat.org/orders/

Radha Govind Laha

For more information on the application process, please visit http://www.imstat.org/awards/laha.html

IMS Fellowship

You can nominate someone for IMS Fellowship who has demonstrated distinction in research in statistics or probability, by publication of independent work of merit. This qualification may be waived in the case of:

(1) a candidate of well-established leadership whose contributions to the field of statistics or probability other than original research shall be judged of equal value; or

(2) a candidate of well-established leadership in the application of statistics or probability, whose work has contributed greatly to the utility of and the appreciation of these areas.

All nominations must be received by January 31, 2013. Please read the nomination requirements and procedures at http://www.imstat.org/awards/fellows.htm

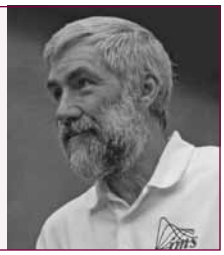
Harry C. Carver Medal

Nominations are invited for the Carver Medal, created by the IMS in honor of Harry C. Carver, founding editor of *The Annals of Mathematical Statistics* and one of the founders of the IMS. The medal is for exceptional service specifically to the IMS.

All nominations must be received by February 1, 2013. See details at http://www.imstat.org/awards/carver.html

Terence's Stuff: *n* vs. *n*–1?

Terry Speed has been thinking about why the denominator in the sample mean is *n* but in the sample variance is *n*–1.



Why is the denominator in the sample mean n*, but the denominator for the sample variance is* n–1*?"* a reader asked me. My answer needs to be comprehensible to his grand-daughter, who we can safely say is not doing an advanced degree in statistics at an institution of higher learning. All of us have had to answer this question at some time in our careers, either for our students or for ourselves. How do you answer it, and how helpful is your answer? Do you feel obliged to introduce distinctions such as populations vs samples, description vs inference, parameters vs statistics, Greek vs Roman letters? Or more advanced concepts, such as degrees of freedom, dimensions of subspaces, unbiasedness or maximum likelihood? Or do you think we should just use *n* as the divisor in the sample variance and move on, perhaps with a footnote stating that half the world uses *n*, and the other half uses *n*–1, while a couple of people with PhDs in statistics from Berkeley use *n*+1?

In the old days, when we wanted a variety of approaches to answering a question like this, we'd leaf through a selection of introductory texts, and fix on the answer we like best. These days we may not need to leave our desk to carry out this task. We can search the web, we can often LOOK INSIDE texts, and find the answer we like, at any desired level. Or can we? I must confess that I have never found an answer I liked to the "*n* vs *n*–1" distinction, not a *simple, intuitive,* but *correct* explanation, that makes sense to students at all levels. There are some good tries out there, but none that I find entirely satisfactory. I encourage you to look.

Following my introduction to statistics over fifty years ago, I noticed that from time to time, my teachers seem to lose it, and us, and "go off with the fairies". Those who insist on clarifying the distinction of my title hit this very early on. They want to introduce the familiar s^2, and they want to do it right. If the price to pay for this is that we must leave the world of rational thought, so be it, they reason. In her lovely 1940 paper on degrees of freedom (d.f.) cited in the excellent Wikipedia article on the same topic, Helen M Walker (1891–1983) wrote *"this concept often seems almost mystical, with no practical meaning."* Sadly familiar to so many of us.

Can we look to history for insight on this matter? Readers of Walker's historical review of *d.f.* will find little help for their pedagogical task. Gauss clearly understood the notion, but then we probably had to wait until "Student" (1908) and of course R.A. Fisher for further clarification, while Karl Pearson was famously not so clear on the concept. This is not stuff for intro courses. What we *can* learn from history is that people have been arguing about ways of presenting the *n* vs *n*–1 distinction for many decades now. On this point, I'd be happy to offer a small cash prize for the *earliest* reference in the statistics literature to my title. (Exactly how I will decide who wins, so that I can award the prize, I leave for another time.) Certainly the education and psychology literature has several excellent contributions to our topic, as they should, for they have been inflicting our subject on their students for nearly a century now. There was a valuable burst of activity in the *American Educational Research Journal* forty years ago, and doubtless there have been many similar exchanges at other times and in other places. Do you think a clear winner has emerged? I don't.

Can we look to statistical theory to help in our explanation of the use of *n*–1? If we want to achieve unbiasedness—of our estimate of σ^2 but not of our estimate of σ—then we can justify the *n*–1. That's not too hard to explain, but is it worth the effort? If we are willing to introduce maximum likelihood estimation (under normality), we can justify the *n*, but that's even more effort, and, I think, beyond my reader's grand-daughter. We can even justify *n*+1 if we seek a minimum mean square error estimate of σ^2 (within a certain class). My conclusion is that at best, invoking theory leads to a draw between *n* and *n*–1. You pays yer money, and you takes yer choice.

I can't see any real problem with introductory courses using the divisor of *n* for the sample variance. My reader wrote, *"… the use of* n *instead of* n–1 *would make one of my grandchildren happy."* Me too!

IMS meetings around the world

IMS Annual Meetings, 2013 & 2014

IMS sponsored meeting

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

Abstract submission open until February 4

The meeting will be held at the Palais de congrès de Montréal, in Montréal, Québec, Canada. The theme for JSM 2013 is *"Celebrating the International Year of Statistics."* Leading statistical societies have joined forces to declare 2013 the International Year of Statistics (http://statistics2013.org/) in order to promote the importance of our discipline to the broader scientific community, business and government data users, media, policymakers, employers, students, and the general public. As the largest gathering of statisticians in the world, the JSM embodies the spirit of the International Year, showcasing both fundamental contributions of statistical research and applications of statistics. The theme emphasizes the unique opportunity presented by the JSM program to highlight the power and impact of statistics on all aspects of science and society worldwide.

2013 also marks the 300th anniversary of the publication of Jacob Bernoulli's *Ars Conjectandi* in 1713. In recognition of this, IMS and the Bernoulli Society are jointly sponsoring the Ars Conjectandi lecture; the speaker will be David Spiegelhalter.

KEY DATES:

December 3 – February 4: submit abstracts, invited posters, IOLs, topic and regular contributed abstracts.

May 1: register and reserve housing.

IMS sponsored meeting

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

The 2014 IMS Annual Meeting in Sydney, Australia, will feature the second Schramm Lecture, by Terry Lyons. Details of the meeting will follow, but you can mark your calendars now!

Joint Statistical Meetings dates, 2013–2018

IMS sponsored meeting
JSM 2013: August 3–8, 2013, Montreal, Canada
w http://amstat.org/meetings/jsm/2013

IMS sponsored meeting
JSM 2014: August 2–7, 2014, Boston, USA
w http://amstat.org/meetings/jsm/

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

IMS sponsored meeting
JSM 2016: July 30 – August 4, 2016, Chicago, USA
w http://amstat.org/meetings/jsm/

IMS sponsored meeting
IMS Annual Meeting @ JSM 2017: July 29 – August 3, 2017, Baltimore, USA
w http://amstat.org/meetings/jsm/

IMS sponsored meeting
JSM 2018: July 28 – August 2, 2018, Vancouver, Canada
w http://amstat.org/meetings/jsm/

At a glance:

forthcoming IMS Annual Meeting and JSM dates

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**

2016

IMS Annual Meeting: TBD

JSM: Chicago, IL, **July 30 – August 4, 2016**

2017

IMS Annual Meeting @ JSM: Baltimore, MD, **July 29 – August 3, 2017**

2018

IMS Annual Meeting: TBD

IMS co-sponsored meeting

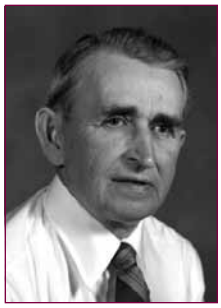
International Conference on Recent Advances in Experimental Designs
December 12–16, 2013
Guangzhou, China

IMS Representative(s) on Program Committees: Jianqing Fan
w http://maths.gzhu.edu.cn/siced2013/
Topics of the conference include, but are not limited to: designs for non-linear models; factorial designs; mixture designs; optimal designs; response surface designs; uniform designs.

Conference registration and abstract submission deadline: 5 October 2013.

IMS co-sponsored meeting NEW

Graybill 2013 Conference on Survey Statistics
June 10–12, 2013, Fort Collins, Colorado, USA
w [Under construction]
The next Graybill Conference is scheduled for June 10–12, 2013 in Fort Collins.



Franklin Arno Graybill [left], who passed away in 2012, was founding Chair of the Department of Statistics at Colorado State University.

The conference is co-organized by Jay Breidt and Jean Opsomer.

IMS co-sponsored meeting

Seminar on Stochastic Processes 2013
March 14–16, 2013
Duke University/UNC-Chapel Hill
w http://depts.washington.edu/ssproc/index.php
The Seminar on Stochastic Processes (SSP) in 2013 will be co-hosted by Duke University and the University of North Carolina at Chapel Hill. The local organizers will be Amarjit Budhiraja and Jonathan Mattingly. In 2013, some additional activities of particular interest to new researchers will be organized by the IMS Committee on New Researchers. These activities will be coordinated with the main SSP program. They will begin the day before the main SSP program, with some activity on March 13, 2013.

Invited speakers: Tom Kurtz (Kai Lai Chung Lecture); Neil O'Connell; Marta Sanz-Solé; Allan Sly; Frederi Viens.

IMS co-sponsored

MCMSki IV
January 6–8, 2014
Chamonix, France
w http://www.pages.drexel.edu/~mwl25/mcmski/
At this fifth joint meeting of IMS and ISBA, nightly poster sessions will offer substantial opportunity for informal learning and interaction.

IMS co-sponsored meeting

4th IMS-China International Conference on Statistics and Probability
June 30 – July 4, 2013
Chengdu, China
w http://imscn2013.swufe.edu.cn
The IMS-China International Conferences promote communication and collaboration between researchers in China and those from other parts of the world. The previous three conferences in this series were successfully held in Hangzhou, Weihai and Xi'an, China, respectively. We are pleased to announce the 4th IMS-China International Conference on Statistics and Probability 2013. The scientific program of this conference will cover a wide range of topics in probability, statistics and their related areas, focusing on recent developments and the state of the art in a variety of modern research topics and in applications. It will provide an excellent forum for scientific communication and collaboration for researchers. For more information, you may contact the scientific program chair: Runze Li **e** rli@stat.psu.edu. Please check the conference website for updated information.

ENAR, 2013–2016

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

IMS sponsored meeting

2016 ENAR/IMS Spring Meeting
March 6–9, 2016
Austin, Texas
w http://www.enar.org/meetings.cfm

IMS co-sponsored meeting

9th Cornell Probability Summer School
July 15–26, 2013
Cornell University, Ithaca, NY, USA
w http://www.math.cornell.edu/Colloquia/colloquia.html
IMS Rep on Program Committees: Laurent Saloff-Coste

The main lecturers are Alexei Borodin, MIT (*Integrable Probability*), Ronald Meester, Vrije Universiteit Amsterdam (*The Combinatorial Approach to the Ising Model*) and Elchanan Mossel, Berkeley (*Probability Models of Information Exchange on Networks*).

The scientific organizers are Laurent Saloff-Coste and Lionel Levine. Please contact conference secretary Anastasia Raymer **e** araymer@math.cornell.edu with any questions regarding the summer school.

More IMS meetings around the world

IMS co-sponsored meeting

Ninth Conference on Bayesian Nonparametrics
June 10–14, 2013
Amsterdam, The Netherlands

w http://www.bnp9.win.tue.nl/
e bnp9info@gmail.com

IMS Representative(s) on Program Committees: Subhashis Ghosal

The 9th Conference on Bayesian Nonparametrics will be held June 10–14, 2013, in Amsterdam, The Netherlands. The Bayesian Nonparametrics (BNP) conference is a biannual international meeting bringing together leading experts and talented young researchers working on applications and theory of nonparametric Bayesian statistics. It is an official section meeting of the Bayesian nonparametrics section of the International Society for Bayesian Analysis (ISBA) and is co-sponsored by the IMS.

The program committee of BNP9 invites submissions for contributed talks and posters from any area of Bayesian nonparametrics and related topics. See the abstract submission page. Deadline for submission: October 15, 2012.

Several speakers have been invited and have accepted to give a talk at BNP9, including four distinguished plenary lectures, from: David Dunson (Duke), Michael Jordan (Berkeley), Gareth Roberts (Warwick), and Judith Rousseau (Paris Dauphine). Other invited speakers so far include: Eduard Belitser (Eindhoven); Emily Fox (Pennsylvania); Sasha Gnedin (London); Peter Green (Bristol); Jim Griffin (Kent); Lancelot James (Hong Kong); Bartek Knapik (VU Amsterdam); Luis Nieto-Barjas (Mexico); Sonia Petrone (Milano); Silke Rolles (TU Munich); Botond Szabo (Eindhoven); and Stephen Walker (Kent).

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/

The week of SPA is especially busy in Boulder, and we **strongly recommend reserving rooms as early as possible**. Rooms are already being held under "SPA2013" at a number of hotels, details can be found at http://math.colorado.edu/spa2013/?page_id=21.

SPA2013 will feature the inaugural Schramm Lecture by Itai Benjamini; and an IMS Medallion Lecture from Bálint Virág (University of Toronto). There will also be a Lévy Lecture by Gérard Ben Arous (Courant) and a Doob Lecture from Neil O'Connell (Warwick).

Other invited lecturers are Zhen-Qing Chen (Washington); Ron Doney (Manchester); Hugo Duminil-Copin (Genève); Pablo Ferarri (Buenos Aires); József Fritz (Budapest); Tadahisa Funaki (Tokyo); Niels Jacob (Swansea); Vadim Kaimanovich (Ottawa); Jeremy Quastel (Toronto); Kavita Ramanan (Brown); Qi-Man Shao (Hong Kong); Amandine Veber (École Polytechnique); and Ofer Zeitouni (Minnesota & Weizmann).

IMS co-sponsored meeting

37th Conference on Stochastic Processes and Applications
July 28 – August 1, 2014
Buenos Aires, Argentina

w TBA

The location has been announced for the 37th Conference on Stochastic Processes and Applications (SPA), which will take place in Buenos Aires during the week July 28 to August 1, 2014.

IMS co-sponsored meeting

2013 ICSA International Conference
December 20–23, 2013
Hong Kong, China

w TBA

IMS Rep: Elizaveta Levina, Department of Statistics, University of Michigan

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 Reps on the program committee are Hans Künsch and Lutz Dümbgen.

IMS co-sponsored meeting

The 20th Annual ASA/IMS Spring Research Conference (SRC) on Statistics in Industry and Technology
June 20–22, 2013
Los Angeles, CA

w http://www.stat.ucla.edu/src2013/

Hongquan Xu **e** hqxu@stat.ucla.edu

The aim of the SRC is to promote cross-disciplinary research in statistical methods in engineering, science and technology. This is to be interpreted broadly to cover a wide range of application areas including biotechnology, information, manufacturing sciences and environment. The conference is intended to stimulate interactions among statisticians, researchers in the application areas, and industrial practitioners. A number of **student scholarships** will be provided to selected graduate students who submit contributed papers.

IMS co-sponsored meeting

15th IMS New Researchers Conference,
jointly sponsored by the IMS and the SSC
August 1–3, 2013
Centre de recherches mathématiques, Montréal, Québec, Canada

w http://www.math.mcgill.ca/nrc2013/

The 15th IMS New Researchers Conference is an annual meeting organized under the auspices of the Institute of Mathematical Statistics, and jointly sponsored this year by the Statistical Society of Canada. It will be held just prior to the 2013 Joint Statistical Meetings in Montréal.

The purpose of the conference is to promote interaction and networking among new researchers in probability and statistics. The participants will have the opportunity to present their research via a short expository talk and a poster, in addition to mingling throughout the day. The contributed talks will be complemented by longer talks by four plenary speakers: Aurore Delaigle (University of Melbourne), Stephen E. Fienberg (Carnegie Mellon University), Jeffrey Rosenthal (University of Toronto) and Terry Speed (University of California at Berkeley), as well as the IMS President Hans Rudolf Künsch (ETH Zürich), and the winner of the 2013 Tweedie Award. Panels on teaching, mentoring of graduate students, publishing and funding will take place during the last day of the conference.

Any young researcher who has received a PhD in or after 2008, or expects to defend his or her thesis by the end of 2013, is eligible to attend. Due to limited space, participation is *by invitation only*. To apply, please submit a letter of interest, curriculum vitae, as well as a title and an abstract of your presentation, via the website at http://www.math.mcgill.ca/nrc2013/

Deadline for receipt of applications is February 1, 2013. Higher priority will be given to first-time applicants. Women and minorities are encouraged to apply. Contingent on the availability of funds, financial support for travel and accommodation may be provided. However, participants are strongly encouraged to seek partial funding from other sources.

IMS co-sponsored meeting

2013 IMS Workshop on Finance, Probability and Statistics
June 19–21, 2013
National University of Singapore (NUS), Singapore

w http://cqf.nus.edu.sg/IMSworkshop-FPS2013

IMS Representative on Program Committees: Tze-Leung Lai

The 2013 IMS Workshop on Finance: Probability and Statistics (FPS) will be held at the National University of Singapore (NUS) on June 19-21, 2013.

This is the third IMS FPS Workshop; the previous two were held in 2011 and 2012 at Columbia University and the University of California at Berkeley, respectively. The focus of the workshop is on the use of probabilistic and statistical analysis and models for problems arising in finance. By bringing together both leading experts and junior researchers, the workshop will highlight important contributions made through the use of statistics and probability, and identify emerging issues where statistics and probability promise to play an important role in the future.

The plenary speakers include F. Delbaen (ETH), J.C. Duan (NUS), P. Forsyth (U. Waterloo), X. Guo (UC Berkeley), A. Novikov (UTS), S. Peng (Shandong U.), Philip Protter (Columbia U.), H. Xing (SBU). In addition, there are invited sessions and contributed sessions.

Registration starts on December 1, 2012. Participants who are interested in giving talks should send emails to ims-fps2013@nus.edu.sg.

This workshop is part of the program on Nonlinear Expectations, Stochastic Calculus under Knightian Uncertainty, and Related Topics, which runs from June 3 to July 12, 2013, and is jointly organized by the Institute for Mathematical Sciences and the newly established Centre for Quantitative Finance at the National University of Singapore, see http://www2.ims.nus.edu.sg/Programs/013wnlinear/index.php.

IMS co-sponsored meeting

Approximate Bayesian Computation in Rome NEW
May 30–31, 2013, Rome, Italy

w https://sites.google.com/site/approxbayescompinrome/

IMS Representatives on Program Committees: Brunero Liseo and Christian P. Robert

Speakers: Gerard Biau (Université Pierre et Marie Curie/Paris VI, France); Nicolas Chopin (Ensae, Paris , France); Richard Everitt (University of Oxford, UK); Sarah Filippi, (Imperial College, London UK); Anthony Lee (University of Warwick, UK); Gael Martin (Monash University, Australia); Kerrie Mengersen (QUT, Brisbane, Australia); Dennis Prangle (Lancaster University, UK); Judith Rousseau (Ensae, Paris, France); Daniel Wegmann (EPF Lausanne, Switzerland). Topics include: ABC for model selection; Computational advances in ABC; Theoretical justifications of ABC; ABC for real-world problems.

Other meetings around the world

Upcoming SAMSI Programs [*below and right*]:

SAMSI Neuroimaging Data Analysis Summer Program
June 4–14, 2013
SAMSI, Research Triangle Park, NC
w www.samsi.info

SAMSI is holding a summer program on Neuroimaging Data Analysis (NDA) June 4–14, 2013, at SAMSI in Research Triangle Park, North Carolina. This two-week workshop will begin with five days of training courses focused on structural and functional neuroimaging data analysis, taught by leading researchers in the field, to bring everyone up to speed on currently used methodology. The second week will combine working groups held in the afternoons with a workshop held in the mornings. Twenty invited distinguished speakers will address major areas and cutting edge research in NDA. There will also be a poster session allowing participants to present their ideas.

The term "Neuroimaging Data Analysis" encompasses a broad array of imaging, mathematical, and statistical methods for the analysis of neuroimaging data. NDA is used to extract pertinent information from imperfect and noisy images from the brain.

The NDA program addresses the need to analyze high-dimensional, correlated, and complex neuroimaging data, as well as clinical and genetic data obtained from various cross-sectional and clustered neuroimaging studies. The structural, neurochemical, and functional neuroimaging modalities include computed axial tomography (CT), diffusion tensor imaging (DTI), functional magnetic resonance imaging (fMRI), magnetic resonance imaging (MRI), magnetic resonance spectroscopy (MRS), positron emission tomography (PET), single photon emission tomography (SPECT), electroencephalography (EEG), and magnetoencephalography (EMG), among many others.

The invited speakers come from a variety of disciplines, including statistics, computer science, mathematics, biomedical engineering, radiology, psychiatry, psychology and neuroscience.

To learn more about the SAMSI NDA summer program, or to apply, go to the SAMSI website, www.samsi.info.

Applications received before March 15 will receive full consideration. Applications submitted after that date will still be considered if slots remain open.

SAMSI Program on Low-dimensional Structure in High-dimensional Systems (LDHD): Opening Workshop
September 8–12, 2013
Radisson Hotel, Research Triangle Park, NC
w http://samsi.info/LDHD

Workshop Organizers: Chris Holmes, Vladimir Koltchinskii, Gilad Lerman and Sara van de Geer

The Opening Workshop for this program will be held Sunday–Thursday, September 8–12, 2013, at the Radisson Hotel Research Triangle Park, NC. The hotel is in close proximity to SAMSI.

On Sunday, September 8 there will be tutorials lectures by leading researchers. From Monday to Wednesday, invited speakers will address specific research topics relevant to Working Groups in the program, which will be formed on Wednesday, September 11. A poster session and reception will take place on the Monday.

Immediately following the workshop, on Thursday and Friday, the Working Groups will convene at SAMSI. In these meetings, each working group will identify initial research activities and relevant datasets for the program year. These foci will, of course, evolve over the year, and Working Groups may either merge or emerge as research progresses.

The Opening Workshop will provide an overview of the core topics relevant to the LDHD program, which is devoted to the development of methodological, theoretical, and computational treatment of high-dimensional mathematical and statistical models. For a more detailed description of the topics to be covered, see the LDHD homepage at http://samsi.info/LDHD.

To begin the application process login and register, then click on "Apply for Workshop" button at the top of this page. When you have completed the form, be sure to click on the green "Complete Application" button.

This form also includes the application for financial support. You will be notified in a timely manner if your participation will be possible; regrettably, limited seating will preclude acceptance of all applications. New researchers (graduate students, postdocs, and faculty in the early stages of their careers) and members of underrepresented groups are especially encouraged to apply.

The application/registration deadline is Friday, August 2, 2013. Note, however, that capacity might be reached before this deadline. Also, any application that requests support for expenses should typically be submitted at least 6 weeks in advance of the workshop. Please make reservations at the Radisson RTP as soon as possible.

For additional information about the program, send e-mail to ldhd@samsi.info

Symposium on recent advances in extreme value theory honoring Ross Leadbetter
March 18–20, 2013
Lisbon, Portugal
w http://extremes-lisbon2013.weebly.com/
Please contact for further details K F Turkman **e** kfturkman@fc.ul.pt

15th Applied Stochastic Models and Data Analysis International Conference (ASMDA 2013)
June 25–28, 2013
Mataró, Barcelona, Spain
w http://www.asmda.es
The forthcoming 15th Applied Stochastic Models and Data Analysis International Conference (ASMDA 2013) will take place in Mataró (Barcelona) Spain, 25–28 June 2013. This is the 15th Conference of the ASMDA International Society, celebrating the 32 years from the first event in Brussels in 1981.

For more information and Abstract/Paper submission and Special Session Proposals please visit the conference website and submit your contributions to secretariat@asmda.es

Lévy Processes and Self-similarity 2013
October 28 – November 9, 2013
Tunis, Tunisia
w http://levy-autosimilarity-tunis2013.math.cnrs.fr/index.html
This conference is a follow up to those organized in Clermont-Ferrand (2002), Toulouse (2005), Angers (2009) and Le Touquet-Paris-Plage (2011).

Conference on Applied Statistics in Ireland (CASI) 2013
May 15–17, 2013
Clane, Co. Kildare, Ireland
w http://www.casi.ie/CASI_2013/index.html
The conference is the Irish Statistical Association's forum for discussion of statistical and related issues for Irish and International statisticians with an emphasis on both theoretical research and practical applications in all areas of statistics.

29th European Meeting of Statisticians
July 20–25, 2013
Budapest, Hungary
w www.ems2013.eu
EMS 2013 is now accepting abstract submissions and also proposals are welcomed for Organised Contributed Paper Sessions (Streams) with a designated organiser, consisting of four papers/stream (of 20 minutes each).Prospective authors are invited to submit their abstracts by midnight, 15 March, 2013. You will find the guidelines and detailed instructions at http://ems2013.eu/site/index.php?page=en/Abstract_submission

Registration for the 29th European Meeting of Statisticians is now open. Those who wish to register this year can do it offline by filling in the registration form at http://ems2013.eu/site/index.php?page=en/Registration and paying by bank transfer.

The preliminary programme is at http://ems2013.eu/site/index.php?page=en/Program

7th Annual International Conference on Mathematics Education and Statistics Education
June 17–20, 2013, Athens, Greece
w http://www.atiner.gr/edumatsta.htm
The conference is soliciting papers (in English) from all areas of Educational Mathematics & Statistics and other related areas. Selected (peer-reviewed) papers will be published in a special volume of the Conference Proceedings. To contribute, please submit a 300-word abstract by 18 February 2013, to Dr Alexander Makedon by email: atiner@atiner.gr including: title of paper, full name(s), current position, institutional affiliation, an email address and at least 3 keywords that best describe the subject of your submission. Please use the abstract submitting form available at http://www.atiner.gr/2013/FORM-EMS.doc. Announcement of the decision is made within 4 weeks after submission, which includes information on registration deadlines and paper submission requirements. If you want to participate without presenting a paper, e.g. chair a session, evaluate papers to be included in the conference proceedings or books, contribute to the editing of a book, or any other contribution, please send an email to Dr. Gregory T. Papanikos, President of ATINER (gtp@atiner.gr).

The registration fee is €300, covering access to all sessions, two lunches, coffee breaks and conference material. Special arrangements will be made with a local luxury hotel for a limited number of rooms at a conference rate. In addition, a number of special events will be organized: a Greek night of entertainment with dinner, a one-day cruise in the Greek islands, an archaeological tour of Athens and a one-day visit to Delphi.

More meetings around the world

49th SRCOS Summer Research Conference
June 2–5, 2013
Montgomery Bell State Park, near Nashville, Tennessee.

w http://louisville.edu/sphis/bb/srcos-2013

The 49th Summer Research Conference of the Southern Regional Council on Statistics will take place June 2-5, 2013 at family-friendly Montgomery Bell State Park near Nashville, Tennessee. The host program is the Department of Bioinformatics and Biostatistics at the University of Louisville; the local arrangements chair is K.B. Kulasakera. The meeting is co-sponsored by SRCoS, ASA and NISS, with NSF support pending. All details may be found on the conference website at http://louisville.edu/sphis/bb/srcos-2013. For further questions, contact Don Edwards (edwards@stat.sc.edu).

Funds are available to support graduate students participating in the R.L. Anderson student poster session and (new this year) young faculty and isolated statisticians in the ASA/NISS poster session.

Featured topics are *Massive Data Sets* and *Statistics for New Technologies*, with plenary speakers Grace Wahba (Wisconsin) and Brad Carlin (Minnesota). Other senior speakers include (alphabetically) Kathy Ensor (Rice); Frank Harrell (Vanderbilt); Stacy Lindborg (Biogen Idec); Martin Lindquist (Johns Hopkins); Yufeng Liu (North Carolina); Monnie McGee (Southern Methodist); Todd Ogden (Columbia); Donald Richards (Penn State); Lori Thombs (Missouri); Webster West (NC State); and Chris Wikle (Missouri).

The conference is designed to bring together statistical researchers at all levels. The format consists of morning, early afternoon, and evening sessions, leaving late afternoons open for informal professional discussions and social activities. Affordably priced Montgomery Bell State Park [*pictured below*] features swimming, boating, camping, hiking, biking, fishing and golf.

Photo: Niki Conolly

AWM Research Symposium 2013 - Poster Session
March 16–17, 2013
Santa Clara University, California, USA

w http://www.msri.org/web/msri/scientific/workshops/show/-/event/Wm9752

Open to: Application for Poster Session for Graduate Students and Recent PhDs
Application deadline: January 15, 2013

The Association for Women in Mathematics (AWM) invites early-career women to give a poster presentation at AWM Research Symposium 2013 at Santa Clara University, March 16–17, 2013. This meeting will also feature 3 plenary talks, 11 special sessions on a wide range of topics in pure and applied mathematics, contributed paper sessions, a banquet, and opportunities for discussion and networking.

Format: 20–25 women will be selected to present a poster. AWM has applied for funding and hopes to be able to offer partial support for expenses for poster presenters.

Eligibility: Applications are welcome from women who have received their PhDs within approximately the last three years and from graduate students who have made substantial progress on their doctoral thesis.

All applications should include

- a cover letter,
- a title and brief abstract (no more than 1 or 2 paragraphs) of the proposed poster,
- a curriculum vitae, and
- a *brief* letter of recommendation from a faculty member or research mathematician who knows the applicant's research. In particular, graduate students should have a letter of recommendation from their thesis adviser.

Applications should be submitted at https://www.mathprograms.org/db/programs/175 by January 15, 2013. Late applications and/or recommendation letters cannot be accepted. Decisions on applications are expected to be made no later than January 31, 2013.

41st Annual Meeting of the Statistical Society of Canada
May 26–29, 2013
University of Alberta, Edmonton, Canada

w http://www.ssc.ca/en/meetings/2013
Rhonda Rosychuk, SSC2013 Local Arrangements Chair **e** ssc2013@ssc.ca

The 41st Annual Meeting of the Statistical Society of Canada will be held at the University of Alberta, Edmonton, Alberta, from May 26 to 29, 2013. This conference will bring together academic, government, and industrial researchers as well as users of statistics and probability. Workshops, invited sessions, and contributed sessions will feature all areas of statistics and probability.

The abstract submission deadline is January 31, 2013

SSC Student Research Presentation Awards

These awards will be given at the 2013 SSC Annual Meeting at the University of Alberta for the best research presentation made by students. Up to two awards will be given: up to one for a talk in a contributed paper session and up to one for a poster presentation. Entries will be judged on the quality of both the presentation and the underlying research. The award consists of a certificate and a $500 cash prize.

To be eligible for this award, a student must not have defended her/his thesis or completed his/her final degree requirements by December 31, 2012, and must not have previously won the award. In addition, the student must:

- submit the abstract of a poster or contributed paper through the meeting website by January 31, 2013;
- check-mark the box on the abstract contribution form that indicates interest in being considered for the award;
- have his/her supervisor or department send, by February 25, 2013, an e-mail to studentawards@ssc.ca confirming the student status as of December 31, 2012;
- prepare a summary of the results to be presented, no more than four pages in length, and submit it to studentawards@ssc.ca by March 15, 2013;
- present the work or poster in person at the Annual Meeting.

Joint work is eligible, as long as the student makes the presentation.

Columbia-Princeton Probability Day 2013
March 29, 2013
Princeton, NJ, USA

w http://orfe.princeton.edu/conferences/cp13/
Contact Ramon Van Handel **e** rvan@princeton.edu
Main Speakers: Alice Guionnet (MIT), Michel Ledoux (Toulouse), Elchanan Mossel (Berkeley), Assaf Naor (NYU); Junior Speakers: Marcel Nutz (Columbia), Percy Wong (Princeton).

Registration is free and will be open until March 15, 2013. The registration form can be found on the Probability Day website at http://orfe.princeton.edu/conferences/cp13/

If you're organizing a meeting and want its details listed here, please visit the "submit a meeting" webpage and fill in the details. Easy.

imstat.org/submit-meeting.html

It's free publicity!

Employment Opportunities around the world

Austria: Vienna

University of Vienna, Department of Statistics and Operations Research

Post-Doctoral Fellowship

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11434989

China: Shanghai

Institute of Natural Sciences, Shanghai Jiao Tong University

Appointments at all levels, from postdoctoral fellowship to Chair Professorship, are available to candidates with strong or promising academic credentials.

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11553330

Hong Kong Hong Kong

The Hong Kong University of Science and Technology

Non-Tenure Track Teaching Position for Business Statistics at HKUST

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=8746034

Italy: Lucca

IMT Institute for Advanced Studies Lucca

Tenured Faculty positions at IMT Lucca

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11569243

New Zealand: Auckland

Faculty of Health and Environmental Sciences, AUT University

Associate Professor / Professor of Biostatistics / Epidemiology

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11115781

Saudi Arabia: Thuwal

KAUST (King Abdullah University of Science and Technology)

Faculty Positions in Statistics

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Taiwan: Taipei

Institute of Statistical Science, Academia Sinica

Regular Research Positions

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10984387

Taiwan: Taipei

National Taiwan University

All ranks

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11096793

United Kingdom: Cambridge

University of Cambridge, Statistical Laboratory, Department of Pure Mathematics and Mathematical Statistics

University Lectureships in Statistics

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11384162

United Kingdom: Cambridge

University of Cambridge, Statistical Laboratory, Department of Pure Mathematics and Mathematical Statistics

Postdoctoral Research Associates in Statistics

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11384125

United Kingdom: Cambridge

University of Cambridge, Statistical Laboratory, Department of Pure Mathematics and Mathematical Statistics

University Lectureship in Probability

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11384121

United Kingdom: Cambridge

University of Cambridge, Statistical Laboratory, Department of Pure Mathematics and Mathematical Statistics

Postdoctoral Research Fellowship in Probability

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11383999

United Kingdom: London

The London School of Economics and Political Science

Lecturer in Statistics

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11556006

United Kingdom: London

The London School of Economics and Political Science

Reader in Statistics

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11556002

United States: Los Angeles, CA

UCLA

UCLA Department of Mathematics Faculty Positions 2013–14

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11553131

United States: San Marcos, CA

California State University San Marcos

Assistant Professor of Mathematics

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11603348

United States: Santa Cruz, CA

University of California Santa Cruz, Department of Applied Mathematics and Statistics

Assistant or Associate Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11512439

United States: Stanford, CA

Stanford Statistics Department

Assoc or Full Prof - tenured

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11096178

United States: Stanford, CA

Stanford Statistics Department

Asst Prof and Stein Fellow

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11096103

United States: New Haven, CT

Yale University, Department of Statistics

Assistant Professor of Statistics

[See display ad below]

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11468670

United States: Ames, IA

Iowa State University, Department of Statistics and Department of Computer Science

Assistant or Associate Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11578000

United States: Chicago, IL

University of Chicago, Department of Statistics

Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11428954

United States: Manhattan, KS

Kansas State University, Department of Statistics

Department Head

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United States: Cambridge, MA

Harvard University Statistics Department

Assistant Professor, Professor of Statistics

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United States: Medford, MA

Tufts University, Department of Mathematics

Norbert Wiener Assistant Professorship

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United States: Williamstown, MA
Williams College
Assistant Professor of Statistics
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10554589

United States: Brunswick, ME
The Department of Mathematics at Bowdoin College
Tenure Track Assistant Professor of Mathematics
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11391434

United States: Duluth, MN
University of Minnesota, Department of Mathematics and Statistics
Assistant Professor
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11452406

United States: Rolla, MO
Missouri University of Science and Technology, Department of Mathematics and Statistics
Chair, Department of Mathematics and Statistics
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11469173

United States: Saint Louis, MO
University of Missouri–St. Louis
Assistant Professor
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11431316

United States: University, MS
University of Mississippi
Assistant Professor, tenure-track
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11187760

United States: Chapel Hill, NC
University of North Carolina at Chapel Hill, Department of Statistics and Operations Research
Lecturer
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11118903

United States: Charlotte, NC
University of North Carolina at Charlotte, Department of Mathematics and Statistics
Assistant Professor of Statistics
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11043294

United States: Piscataway, NJ
Rutgers, The State University of NJ, Department of Statistics and Biostatistics
Assistant Professor, Tenure Track
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11071391

United States: Las Vegas, NV
University of Nevada, Las Vegas - UNLV
Statistics, Assistant Professor
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11452314

United States: Ithaca, NY
Cornell University
Senior Lecturer
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11432481

United States: New York, NY
New York University Stern School of Business, Information, Operations and Management Sciences Department, Statistics Group
Assistant Professor of Statistics
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10822673

United States: Kent, OH
Kent State University
F/T Tenure Track Faculty
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11488824

United States: Corvallis, OR
Oregon State University Department of Statistics
Associate/Full Professor
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11338685

United States: Philadelphia, PA
Wharton Department of Statistics, University of Pennsylvania
Tenure-track or Tenured Position(s)
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11170282

United States: Philadelphia, PA
Fox School of Business, Temple University
Senior Assistant /Associate Professor in Statistics
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10735685

United States: Clemson, SC
Clemson University Department of Mathematical Sciences
Tenure-track position
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11364167

United States: Brookings, SD
South Dakota State University
Assistant Professor of Statistics
http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11203966

United States: Pittsburgh, PA

Carnegie Mellon University, Department of Statistics

Teaching-track Position

Applications are invited for possible teaching-track position. Carnegie Mellon offers a collegial faculty environment, combining disciplinary and cross-disciplinary research with thriving undergraduate and graduate programs. This position emphasizes teaching, program administration, and curriculum development. All areas of statistics are welcome, and curriculum development, and joint appointments with other units at Carnegie Mellon are possible. See http://www.stat.cmu.edu (email: hiring@stat.cmu.edu). Send CV, relevant transcripts, teaching statement, and three recommendation letters to: *Faculty Search Committee, Statistics, Carnegie Mellon University, Pittsburgh, PA 15213, USA*. Application screening begins immediately, continues until positions closed. Women and minorities are encouraged to apply. AA/EOE.

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11096020

United States: Pittsburgh, PA

Carnegie Mellon University, Department of Statistics

Tenure-track, Visiting Positions

Applications are invited for possible tenure-track 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.

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11095968

United States: Knoxville, TN

University of Tennessee

Post doctoral

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11337859

United States: Lubbock, TX

Texas Tech University, Department of Math. & Statistics

Tenure Track Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10872076

United States: College Station, TX

Faculty Positions: Department of Statistics, Texas A&M University

The Department of Statistics at Texas A&M University anticipates multiple open-rank positions (tenure/tenure-track) 09/13. Salary is open dependent upon qualifications presented. A PhD/DSc degree in Statistics (or a closely related field) or the completion of all requirements for the degree prior to beginning employment is required. Job duties will include teaching three courses per academic year, computer intensive research, as well as to seek research funding. These positions are open to all areas of research. Successful candidates are expected to have a strong commitment to research and teaching. The department has a strong tradition of theoretical and interdisciplinary research. Current faculty members actively collaborate with colleagues in the Colleges of Science, Agriculture and Life Sciences, Engineering, Geosciences, Veterinary Medicine, Medicine, Public Health, as well as the Faculties of Genetics, Nutrition and Toxicology. Excellent computing facilities are available and highly competitive startup funding is anticipated.

The Department of Statistics is especially interested in candidates who can contribute to the diversity and excellence of the academic community through their research, teaching and/or service. Texas A&M University is an equal opportunity employer. The University is dedicated to the goal of building a culturally diverse and pluralistic faculty and staff committed to teaching and working in a multicultural environment and strongly encourages applications from women, minorities, individuals with disabilities and veterans. In addition, the University has established a partner placement program and will be particularly responsive to the needs of dual-career couples.

Please submit a current vita with three letters of reference to hiring@stat.tamu.edu or mail to:
Faculty Search Committee, Department of Statistics, Texas A&M University, 3143 TAMU, College Station, TX 77843-3143

Evaluation of applications will begin November 1, 2012. Applications will continue to be accepted until the position is filled. For more information on our department and the research interests of our faculty, please visit our web site at www.stat.tamu.edu.

United States: Seattle, WA

Fred Hutchinson Cancer Research Center

Post-Doctoral Research Fellow (ML 24916)

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11347725

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

January 2013

January 2–5: Chennai, India. **2013 IISA Conference** *Statistics, Science, and Society: New Challenges and Opportunities* **w** http://iisaconference.info/

IMS January 6–10: Varanasi, India. **ISBA Regional Meeting and International Workshop/Conference on Bayesian Theory and Applications (IWCBTA) w** www.bhu.ac.in/isba

January 9–12: San Diego, CA. **AWM Workshop for Women Graduate Students and Recent PhDs w** https://sites.google.com/site/awmmath/

January 18–19: Gainesville, Florida. **Winter Workshop on New Directions in Monte Carlo Methods w** http://www.stat.ufl.edu/symposium/2013/index.html

January 21–23: Lunteren, The Netherlands. **12th Winter school on Mathematical Finance w** http://staff.science.uva.nl/~spreij/winterschool/winterschool.html

January 28–29: EURANDOM, The Netherlands. **Sixth YES (Young European Statisticians) workshop w** http://www.eurandom.nl/events/workshops/2013/YES_VI/

February 2013

February 7–8: Melbourne, Australia. **Young Statisticians Conference 2013 w** http://ysc2013.com/

February 7–8: Brussels, Belgium. **Actuarial and Financial Mathematics Conference 2013: Interplay between Finance and Insurance w** http://www.afmathconf.ugent.be/

February 13–15: Boulder, CO. **SAMSI-NCAR Workshop on Massive Datasets in Environment and Climate w** www.samsi.info/workshop/samsincar-workshop-massive-datasets-environment-and-climate-february-13-15-2013

February 21–22: SAMSI, Research Triangle Park, NC. **SAMSI Undergraduate Workshop: Data Driven Decisions in Healthcare w** www.samsi.info/workshop/undergraduate-workshop-february-21-22-2013

March 2013

March 4–6: SAMSI, Research Triangle Park, NC. **SAMSI-SAVI Workshop on Environmental Statistics w** http://www.samsi.info/workshop/samsi-savi-workshop-environmental-statistics-march-4-6-2013

March 7–8: Arlington, Virginia, USA. **Conference on Advanced Statistical Methods for Underground Seismic Event Monitoring and Verification w** http://stat.rutgers.edu/conferences/monitoringandverification2013

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

March 12–14: Brisbane, Australia. **NatStats 2013:** *"A better informed Australia: the role of statistics in building the nation"* **w** http://www.nss.gov.au/blog/natstats.nsf

IMS March 14–16: Duke University/UNC-Chapel Hill. **Seminar on Stochastic Processes w** http://depts.washington.edu/ssproc/index.php

NEW March 16–17: Santa Clara University, CA. **AWM Research Symposium 2013** (incl poster session) **w** http://www.msri.org/web/msri/scientific/workshops/show/-/event/Wm9752

NEW March 18–20: Lisbon, Portugal. **Symposium on recent advances in extreme value theory honoring Ross Leadbetter w** http://extremes-lisbon2013.weebly.com/

NEW March 29: Princeton, NJ, USA. **Columbia-Princeton Probability Day 2013 w** http://orfe.princeton.edu/conferences/cp13/

April 2013

April 18–19: Kansas City, Missouri. **Innovations in Design, Analysis, and Dissemination: Frontiers in Biostatistical Methods w** http://community.amstat.org/KWMChapter/AnnualSymposium/

April 22–25: Tel Aviv, Israel. **7th Meeting of the Eastern Mediterranean Region International Biometric Society w** https://event.pwizard.com/ims/index.py?

May 2013

May 12–17: Ascona, Switzerland. **Workshop on Statistical Genomics and Data Integration for Personalized Medicine** **w** http://www.cbg.ethz.ch/news/ascona2013

May 15–17: Clane, Co Kildare, Ireland. **Conference on Applied Statistics in Ireland (CASI) 2013** **w** www.casi.ie

May 21–25: Rimini, Italy. **7th International Workshop on Simulation** **w** http://www2.stat.unibo.it/iws/

NEW May 26–29: University of Alberta, Edmonton, Canada. **41st Annual Meeting of the Statistical Society of Canada** **w** http://www.ssc.ca/en/meetings/2013

May 27–31: Aalborg, Denmark. **Summer School on Topics in Space-Time Modeling and Inference** **w** http://csgb.dk/activities/2013/space-timemodeling/

June 2013

NEW June 2–5: Montgomery Bell State Park, near Nashville, TN. **49th SRCOS Summer Research Conference** **w** http://louisville.edu/sphis/bb/srcos-2013

NEW June 4–14: SAMSI, Research Triangle Park, NC. **SAMSI Neuroimaging Data Analysis Summer Program** **w** www.samsi.info

June 6–8: Milano, Italy. **8th Bayesian Inference in Stochastic Processes** **w** www.mi.imati.cnr.it/conferences/BISP8/

June 6–9: Toruń, Poland. **German-Polish conference on Probability Theory and Mathematical Statistics** **w** http://www.gpps.umk.pl/

NEW IMS June 10–12: Fort Collins, CO. **Graybill 2013 Conference on Survey Statistics** **w** TBC

June 10–12: Stockholm, Sweden. **4th Nordic-Baltic Biometric Conference (NBBC13)** **w** http://nbbc13.org/

IMS June 10–14: Amsterdam, The Netherlands. **9th Conference on Bayesian Nonparametrics** **w** http://www.bnp9.win.tue.nl/

June 11–14: Stockholm, Sweden. **International Cramér Symposium on Insurance Mathematics** **w** www2.math.su.se/icsim

NEW June 17–20: Athens, Greece. **7th Annual International Conference on Mathematics Education and Statistics Education** **w** http://www.atiner.gr/edumatsta.htm

IMS June 19–21: NUS, Singapore. **2013 IMS Workshop on Finance, Probability and Statistics** **w** http://cqf.nus.edu.sg/IMSworkshop-FPS2013

IMS June 20–22: Los Angeles, CA. **20th Annual ASA/IMS Spring Research Conference (SRC) on Statistics in Industry and Technology** **w** http://www.stat.ucla.edu/src2013/

June 23–26: Seoul, Korea. **33rd International Symposium on Forecasting** **w** http://forecasters.org/isf/

June 25–28: Barcelona, Spain. **15th Applied Stochastic Models and Data Analysis International Conference (ASMDA 2013)** **w** http://www.asmda.es

IMS June 30 – July 4: Chengdu, China. **4th IMS-China International Conference on Statistics and Probability.** Runze Li **e** rli@stat.psu.edu **w** http://imscn2013.swufe.edu.cn

July 2013

July 8–12: Palermo, Italy. **28th IWSM (International Workshop on Statistical Modelling)** **w** http://iwsm2013.unipa.it/

July 8–12: ShangHai, China. **2013 Extreme Value Analysis conference** **w** http://eva.fudan.edu.cn

IMS July 15–26: Cornell University, Ithaca, NY. **9th Cornell Probability Summer School** **w** http://www.math.cornell.edu/Colloquia/colloquia.html

July 20–25: Budapest, Hungary. **29th European Meeting of Statisticians (EMS2013)** **w** http://www.ems2013.eu

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

August 2013

IMS August 1–3, 2013: CRM Montréal, Canada. **15th IMS New Researchers Conference, jointly sponsored by the IMS and the SSC** **w** http://www.math.mcgill.ca/nrc2013/

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

August 4–10: XVII Brazilian School of Probability (XVII EBP), Mambucaba, RJ, Brazil **w** http://www.im.ufrj.br/ebp17/

Continues on **page 30**

International Calendar *continued*

August 2013 *continued*

August 5–9: Guanajuato, Mexico. **Mathematics Congress of the Americas w** http://www.mca2013.org/

August 13-16: Braunschweig, Germany. **Building Bridges: Probability, Statistics and Applications w** https://www.tu-braunschweig.de/stochastik/tagungen/building-bridges

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

September 2013

NEW September 8–12: Radisson Hotel, Research Triangle Park, NC. **SAMSI Program on Low-dimensional Structure in High-dimensional Systems (LDHD): Opening Workshop w** http://samsi.info/LDHD

October 2013

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

October 28 – November 9: Tunis, Tunisia. **Lévy Processes and Self-similarity 2013 w** http://levy-autosimilarity-tunis2013.math.cnrs.fr/index.html

December 2013

NEW IMS December 12–16: Guangzhou, China. **International Conference on Recent Advances in Experimental Designs w** http://maths.gzhu.edu.cn/siced2013/

IMS December 20–23: Hong Kong, China. **2013 ICSA International Conference w** TBC

December 28–31: CRRAO AIMSCS, India. **Statistics 2013: w** www.statistics2013-conference.org.in

January 2014

IMS January 6–8: Chamonix, France. **MCMSki IV w** http://www.pages.drexel.edu/~mwl25/mcmski/

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

IMS July 28 – August 1: Buenos Aires, Argentina. **37th Conference on Stochastic Processes and Applications w** TBC

August 2014

IMS August 2–7: Boston, MA. **JSM2014 and ASA's 175th Anniversary. w** http://amstat.org/meetings/jsm/

August 2015

IMS August 8–13: Seattle, WA. **IMS Annual Meeting at JSM2015. w** http://amstat.org/meetings/jsm/

March 2016

IMS March 6–9: Austin, Texas. **2016 ENAR/IMS Spring Meeting w** http://www.enar.org/meetings.cfm

July 2016

IMS July 30 – August 4: Chicago, USA. **JSM 2016 w** http://amstat.org/meetings/jsm/

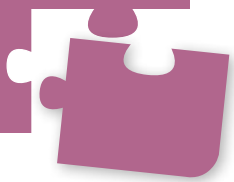
July 2017

IMS July 29 – August 3: Baltimore, USA. **IMS Annual Meeting at JSM 2017 w** http://amstat.org/meetings/jsm/

July 2018

IMS July 28 – August 2: Vancouver, Canada. **JSM 2018 w** http://amstat.org/meetings/jsm/

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



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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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Issue	Deadline	Online by	Mailed
1: January/February	**December 1**	December 15	January 1
2: March	**February 1**	February 15	March 1
3: April/May	**March 15**	April 1	April 15
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

the **next** issue is

March 2013

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bulletin.imstat.org

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February 1, then **March 15**

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Volume 42 · Issue 1

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IMS: Organized September 12, 1935

164 (print)
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An Official Journal of the
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Articles

Vol. 22, No. 6—December 2012