IMS Bulletin



October/November 2012

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New Researchers Conference

The 14th IMS Meeting of New Researchers in Statistics and Probability

Ery Arias-Castro reports: The meeting took place at the University of California, San Diego, over three days (July 26-28) packed with talks and posters by new researchers, talks by more seasoned researchers and various panel discussions.

We actually started on the evening of July 25, with a group hike to the Scripps Coastal Reserve overlooking the ocean at sunset and some drinks at the Porter's Pub on

Thursday and Friday were filled with presentations (talks and posters) by the new researchers, on various topics spanning statistics and probability at large. On Friday, Yuval Peres gave a talk on the famous hidden clique problem and Jonathan Taylor a talk on convex optimization in statistics. On Saturday, Jason Fine gave a talk on a recent paper of his on survival analysis that involved a complex and lengthy reviewing process, and Bin Yu a talk on spectral clustering in the context of social networks. The Tweedie Award winner, Huixia (Judy) Wang, delivered her Tweedie New Researcher Invited Lecture.

The rest of Saturday was dedicated to panel discussions. Peter Hall and Susan Paddock led the discussion on publishing and article writing. Rob Gould and Jason Schweinsberg discussed the challenge of teaching large statistics classes. Jason Fine, Marina Vanucci and Ruth Williams offered some mentoring advice to the participants. Representatives from various funding agencies—Gabor Szekely and Nandini Kannan (NSF), Floyd "Ben" Cole III (NSA) and Michelle Dunn (NIH), as well as Tim Hesterberg from Google—discussed grant proposal and funding opportunities.

The new researchers comprised 33 women and 32 men. Funding was provided for the most part by the National Science Foundation and the National Security Agency, with generous support from Microsoft Research and Google.

More details on the meeting, and a group photo, are at http://math.ucsd.edu/ ~nrc2012/. Next year's meeting will be in Montreal: details coming soon!



Tweedie Award winner Huixia Judy Wang receiving her plaque from Past-President Ruth Williams. You can nominate someone to be next year's Tweedie Lecturer: see page 7.

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IMS Members' News

Schramm Lecturer for 2014: Terry Lyons

We are pleased to announce the 2014 Schramm Lecturer will be Terry Lyons. Terry is the Wallis Professor of Mathematics at Oxford University, UK. He has been awarded the Rollo



Terry Lyons

Davidson prize and the Pó*lya Prize. He is a Fellow of the IMS and the Royal Society.*

The citation for the lecturer is, "Terry Lyons has made multiple deep contributions to stochastic analysis. In particular, he created, and further developed with his collaborators, the "rough path theory," which provided both a new heuristic understanding of stochastic integrals and an effective mathematical tool."

Terry's lecture will be at the 2014 IMS Annual Meeting, which will take place in Sydney, Australia, from July 7–11, 2014.

As previously announced, Itai Benjamini is the inaugural Schramm Lecturer in 2013. His lecture will be at the 36th Conference on Stochastic Processes and their Applications (July 29 – August 2, 2013, in Boulder, Colorado); see http://math.colorado.edu/spa2013/

Oded Schramm (1961–2008) was an extraordinary mathematician whose life was cut short in a tragic hiking accident. IMS and the Bernoulli Society cooperated to create this new joint lecture in probability and stochastic processes, named in his honor. For further information see http://imstat.org/Schramm/. Contributions to the fund that supports the travel expenses of the Schramm lecturer are welcome. To contribute, please go to https://secure.imstat.org/secure/orders/schrammcontribution.asp

American Statistical Association elections

Nathaniel Schenker (Centers for Disease Control and Prevention) will be the new ASA President-Elect in 2013 (serving as President in 2014). James L. Rosenberger (Pennsylvania State University) is the newly-elected ASA Vice President, and will serve from 2013 to 2015.

Marie Davidian (North Carolina State University) will be ASA President in 2013; Robert N. Rodriguez (SAS) is the current ASA President.

Full results are at http://magazine.amstat.org/blog/2012/07/01/eresult-2013/

Adrian Smith appointed to UK Statistics Authority

The UK Statistics Authority has appointed Professor Sir Adrian Smith FRS as one of its Deputy Chairs, with responsibility for the governance of the Office for National Statistics. Sir Adrian succeeded Lord Rowe-Beddoe of Kilgetty in the post. Sir Adrian, who was knighted last year, was previously a member of the Authority Board until his appointment to a senior role in the Civil Service in 2008. He now takes up the post of Vice-Chancellor of the University of London. The UK Statistics Authority is an



drian Smith

independent body operating at arm's length from government as a non-ministerial department. Its two main functions are oversight of the Office for National Statistics (ONS) and independent scrutiny of all official statistics produced in the UK.

SAMSI News

SAMSI Renewed for Another Five Years by NSF

The Statistical and Applied Mathematical Sciences Institute (SAMSI) has been renewed by the National Science Foundation (NSF) for five years. This is the second renewal the grant has received by NSF. SAMSI is one of eight mathematical institutes funded by the NSF's Division of Mathematical Sciences, but this is the only one that focuses on statistics and applied mathematics. It was founded in 2002 and is now celebrating its tenth anniversary.

The grant is a collaboration of Duke University, North Carolina State University (NCSU), the University of North Carolina at Chapel Hill (UNC) and the National Institute of Statistical Sciences (NISS) in conjunction with the William Kenan Jr. Institute for Engineering, Technology and Science.

"The renewal of our funding is a tribute to the incredible commitment to SAMSI by the whole community: our partner institutions, the national leadership in statistics and applied mathematics, everyone who has served SAMSI as a directorate member or program leader, and more broadly, all the people who have visited SAMSI and participated in our research over the years," said Richard Smith, Director of SAMSI.

Over the past ten years, SAMSI's programs have grown, adding summer programs in 2006 and increasing its education and outreach programs to undergraduate and graduate students. Last year, the Institute started holding some of its workshops on the West Coast in addition to the workshops that are held in Research Triangle Park, North Carolina.

The Institute has mentored over 80 postdoctoral fellows and associates over the past ten years. Many now hold now hold academic positions as well as positions in industry and government. SAMSI has hosted hundreds of visitors each year to participate in multi-disciplinary workshops pushing the boundaries of data-driven and model-driven research.

In 2013–14, SAMSI will hold two major programs, one focusing on Computational Methods in the Social Sciences (http://www.samsi.info/programs/2013-14-program-computational-methods-social-sciences-cmss) and the other focusing on Low Dimensional Structure in High-Dimensional Systems (http://www.samsi.info/programs/2013-14-program-low-dimensional-structure-high-dimensional-systems-ldhd). It will also host a summer program on Neuroimaging Data Analysis.

IMS Special Invited Lecturers in 2013

Next year's Special Invited Lectures are three Wald Lectures, a Rietz Lecture, and eight Medallion Lectures. At the JSM, in Montreal from August 3–8, 2013, the Wald Lectures will be given by Piet Groeneboom (Delft University of Technology, The Netherlands), and the Rietz Lecture will be delivered by Larry Wasserman (Carnegie Mellon University). At the same meeting there will also be seven Medallion Lectures, from: Lutz Dümbgen (University of Bern, Switzerland), Peter Guttorp (University of Washington, Seattle), Gady Kozma (Weizmann Institute, Israel), Judea Pearl (University of California, Los Angeles), Jeremy Quastel (University of Toronto, Canada), Ya'acov Ritov (Hebrew University of Jerusalem, Israel), and Martin Wainwright (University of California, Berkeley). See http://amstat.org/meetings/jsm/2013/.

The other Medallion Lecture, by Bálint Virág (University of Toronto, Canada), will be given at the SPA in Boulder, Colorado (July 29 – August 2, 2013); see http://math.colorado.edu/spa2013/

Annals of Statistics: Peter Bühlmann and Tony Cai http://imstat.org/aos @http://projecteuclid.org/aos

Annals of Applied Statistics: Bradley Efron http://imstat.org/aoas

Mhttp://projecteuclid.org/aoas

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

Annals of Applied Probability: Andrew Barbour 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

Mhttp://projecteuclid.org/imsc

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

IMS Co-sponsored Journals and Publications

Electronic Journal of Statistics: David Ruppert http://imstat.org/ejs

Mhttp://projecteuclid.org/ejs

Electronic Journal of Probability: Michel Ledoux

Mhttp://ejp.ejpecp.org

Electronic Communications in Probability:
Anton Bovier

http://ecp.ejpecp.org

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

[20] log into members' area at imstat.org

Journal of Computational and Graphical Statistics:
Richard Levine

http://www.amstat.org/publications/jcgs @log into members' area at imstat.org

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

Mhttp://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

Mhttp://projecteuclid.org/aihp

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

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

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

Stochastic Systems: Peter W Glynn

Mhttp://www.i-journals.org/ssy/

IMS-Affiliated Journals

ALEA: Latin American Journal of Probability and Statistics: Claudio Landim

Mhttp://alea.impa.br/english

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

IMS Laha Travel Awards: recipients' experiences

Each year the IMS awards funds to young researchers to travel to present a paper or poster at the IMS annual meeting. Following this year's World Congress in Istanbul, we asked the latest recipients what they thought of the meeting, the location and the IMS.

Karthik Bharath enjoyed the meeting: "It was wonderfully organized and well attended; the highlight, of course, being the sheer number of stalwarts in probability and statistics who were talking about their interests and work. It was a great privilege for a young student like myself to have the chance to not only listen to their lectures, but also interact with them. To top it all, Istanbul is a gorgeous city and I loved every minute of my stay there."

Ruodu Wang's favorite aspect of the congress was the people: "Many people. Big names, junior researchers, students..." Miles Lopes also appreciated meeting "leading statisticians from Europe whom I have not met before, because I am from California."

Miles found the talks useful, saying, "The talks helped to get me up to speed with current research that I was not aware of, and also to notice broader research trends in theoretical statistics." Yining Chen said, "The sessions on high dimensional data analysis and time series analysis were particularly interesting to me. The Tukey lecture was also very insightful. They were all pretty much relevant to my research." He also thought the boat trip was "joyful!" Michael Kelly said he found some of the talks "quite interesting. I especially enjoyed the talks on the exclusion process and second class particles."

Gourab Mukherjee found the talks useful too, adding, "I am mainly interested in high dimensional inference and there were a lot of interesting talks on that theme. The Wald and the Medallion lectures were helpful in conveying the central ideas of some exciting research topics." He added that attending the congress "has definitely broadened my perspective of statistical research." Miles stated that the congress confirmed that his plan to pursue a research career in statistics after graduation would be "an exciting career path!"

The congress location proved popular. Gourab said, "Istanbul is an awesome place to visit. I covered most of the tourist attractions in the city which could be reached by public transport. The food was good and the local people were very helpful." Karthik said, "I loved the area around the Galata tower leading up to the water. The Turkish baths were especially enjoyable and I highly recommend it!

Ruodu would recommend that other new researchers apply for an IMS Laha Travel Award. Michael agrees they should: "for the funding, the chance to network and an opportunity to learn about the current research being done." Karthik said the Laha Award is, "a prestigious award for a young researcher—famous winners highlight it in their CVs. [Also] the monetary aspect does not hurt!"

All of them hope to come to future IMS meetings, so if you see them, do say hello!

Applications are open now for next year's Laha Award, which will provide funding to travel to JSM in Montreal, Canada. See the information on the next page.

The 2012 Laha Travel Award recipients pictured in Istanbul with Sonia Petrone, travel awards committee chair, and Ruth Williams, then President of IMS, in the centre of the front row.



IMS Awards

Tweedie New Researcher Award

Richard L. Tweedie played a significant role throughout his professional career in mentoring young colleagues at work and through professional society activities. With funds donated by his friends and family, the IMS created the "Tweedie New Researcher Award" to finance the winner to present the "Tweedie New Researcher Invited Lecture" at the IMS New Researchers Conference.



Richard Tweedie

Next year's conference will be held in Montreal, immediately before JSM 2013 (details of the New Researchers Conference will be announced soon).

To be eligible for the 2013 award, the new researcher must have received their doctoral degree in 2007–2012, and the nominee should be a member of the IMS at time of nomination.

The nomination deadline is December 1, 2012.

For details and requirements of the nomination process, please visit http://www.imstat.org/awards/tweedie.html

Laha Travel Award

With funds from a generous bequest by the late Professor Radha Govind Laha, IMS established the Laha Awards to provide funds for students and new researchers to travel to present a paper at the IMS Annual Meeting (see the article on the previous page for comments from some of this year's recipients).

The 2013 award will provide funds for travel to the Joint Statistical Meetings (JSM) in Montreal, Canada, from August 3–8, 2013: see http://amstat.org/meetings/jsm/2013/index.cfm.

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/

Application deadline is February 1, 2013.

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



Radha Govind Laha

IMS Fellowship

The candidate for IMS Fellowship shall have 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.

Candidates for Fellowship should be members of IMS on December 1 of the year preceding their nomination, and should have been members of the IMS for at least two years.

All nominations must be received by January 31, 2013.

For details and requirements of the nomination process, please visit 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 and is open to any member of the IMS who has not previously been elected President.

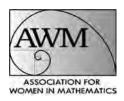
The medal will be awarded at a ceremony during the next IMS
Annual Meeting. (Last year's winner,
Peter Jagers, was not able to come to the
World Congress to receive his medal, so his
will be awarded next year along with the 2013 medal.)

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



Awards and Prizes

The Association for Women in Mathematics (AWM) is a non-profit organization founded in 1971. The purpose of the AWM is to encourage women and girls to study and to have active careers in the mathematical sciences, and to promote equal opportunity and the equal treatment of women and girls in the mathematical sciences. The following awards and prizes are announced by the AWM:



Sonia Kovalevsky Lecture

The Association for Women in Mathematics (AWM) and the Society for Industrial and Applied Mathematics (SIAM) established the annual Sonia Kovalevsky Lecture to highlight significant contributions of women to applied or computational mathematics. This jointly awarded lecture (AWM-SIAM) is given annually at the SIAM Annual Meeting. In 2013, the Sonia Kovalevsky Lecture will be given at the SIAM Annual Meeting in San Diego, CA. The lectureship may be awarded to anyone in the scientific or engineering community whose work highlights the achievements of women in applied or computational mathematics.

Nominations for this award are solicited and will remain active for at total of two years (one year beyond the initial nominations). Letters of nomination should include an outline of the nominee's contributions to applied or computational mathematics, a list of some of her most important research papers, and a citation of about 100 words that may be read when introducing the speaker.

Nominations should be submitted as ONE PDF file via MathPrograms.org at https://www.mathprograms.org/db/programs/145.

AWM-Sadosky Research Prize in Analysis

The Association for Women in Mathematics (AWM) has established the AWM-Sadosky Research Prize in Analysis to highlight exceptional research in analysis by a woman early in her career. The prize will be awarded every other year with the first prize presented at the AWM Reception at the Joint Mathematics Meetings in Baltimore, MD in January 2014.

When reviewing nominations for this award, the field will be broadly interpreted to include all areas of analysis. Candidates should be women within 10 years of receiving their PhD, or having not yet received tenure. For full consideration, nominations should be submitted by February 15, 2013.

 $See\ https://sites.google.com/site/awmmath/programs/sadosky-prize$

Call for nominations for the 2013–14 Michler Prize

Application deadline: November 1, 2012

The Ruth I. Michler Memorial Prize of the AWM is awarded annually to a woman recently promoted to Associate Professor or an equivalent position in the mathematical sciences. The prize provides a fellowship for the awardee to spend a semester in the Mathematics Department of Cornell University without teaching obligations. Recently promoted associate professors face many challenges as they prepare to take on greater leadership in research and in the profession. The Ruth I. Michler Memorial Prize will honor outstanding women at this stage of their careers and enable them to focus on their research in the stimulating environment of the Cornell University Mathematics Department.

A \$47,000 prize will be awarded to a woman, recently promoted to associate professor or the equivalent, for a semester of mathematical research without teaching obligations in the Mathematics Department of Cornell University. A supplement housing/subsistence stipend award of \$3,000 will be provided. Office space, library access, and computing facilities will be provided by Cornell. The award is to be used during the 2013-2014 academic year.

Eligibility: Applicants must be women recently promoted to Associate Professor or the equivalent in the mathematical sciences at an institution of higher learning other than Cornell University. There is no restriction either on the nationality of the applicant or on the country in which she holds a position. The primary selection criteria for the Michler Prize are the excellence of the candidate's research and the potential benefit to the applicant of a semester in the Mathematics Department at Cornell. The applicant is expected to spend a full semester at Cornell.

For details of required application materials, please see https://sites.google.com/site/awmmath/programs/michler-prize

Please submit all application materials electronically through MathPrograms.org at https://www.mathprograms.org/db/programs/146. Reference letter writers should be asked to submit their letters online through MathPrograms.org

Send inquiries to michlerprize@awm-math.org.

l Anirban's Angle: Mendeléeff, Bode, and Precognition

Contributing Editor Anirban DasGupta writes: Perhaps it says something about human psychology that if a theoretical model for some problem makes predictions — better yet, sensational or bizarre predictions — which later come out to be true, then we take the model more seriously. But should we? After all, other models may have made the same or similar predictions. Today, my intention isn't to launch a debate on that contentious issue, but to retell two stories of romantic nostalgia that I have found fascinating.

It was 1869. An otherwise sane and supremely distinguished professor of chemistry in St. Petersburg had started a flood of chemical predictions, of discovering hitherto unknown substances on the face of the earth. So vivid were his predictions as to the appearance and properties of these ghostly substances, that apparently he was considered either a prophet or a madman. Numerical values for the atomic weights of the known elements had only been been known for about 30 years at this point. For more than 20 years, Dmitri Mendeléeff just played with this limited set of numbers, painstakingly arranging and rearranging the elements with their atomic weights. He found an incredible pattern in the weights of elements which were chemically equivalent or related. When he found gaps in the atomic weights of groups of equivalent elements, he predicted an undiscovered element that would fill that hole. Coincidence? Some obviously thought so: at a meeting of the English Chemical Society, the question was asked, sarcastically, whether he had considered arranging the elements according to the first letter of their names and looking for patterns. But six years later, de Boisbaudran discovered one of the predicted substances in the deep mines of Pyrenees, and every one of its properties matched Mendeléeff's predictions: eka-aluminum was found on earth! One after another, came the vindications. Mendeléeff, we now know, was doggedly on the scent of the periodic law, today an established truth. Some of his predecessors had similar instincts, notably Lothar Meyer, Dumas and Strecker; but none had Mendeléeff's determination and ability to ignore ridicule. A numerical law with very limited data boldly envisioned by an individual was eventually accepted as a remarkable scientific fact.

Mendeléeff carried with him other striking scientific ideas throughout his life, such as a substance which pervades the whole universe. He had, apparently, a uniquely ingenious theory on the origin of the fantastic oil deposits in Baku. He was summoned to Pennsylvania to help produce oil on a commercial scale for the first time. He was twice denied the Nobel prize, the story of which is now well known.

The other story I want to retell is that of Johann Bode, the German astronomer who noticed remarkable regularities in the planetary spacings in our solar system and put forth a mathematical

formula for their locations. Bode's formula says that the distances of the planets from the sun in their natural order follow the formula α , $\alpha + \beta$, $\alpha + 2\beta$, $\alpha + 4\beta$, $\alpha + 8\beta$, ..., with $\alpha = 0.4$ and $\beta = 0.3$. The predicted positions of the planets by Bode's formula are 0.4, 0.7, 1, 1.6, 2.8, 5.2, 10, 19.6, 38.8, 77.2, etc. The actual positions are 0.39 (Mercury), 0.72 (Venus), 1 (Earth), 1.52 (Mars), 2.77 (Asteroid belt), 5.20 (Jupiter), 9.54 (Saturn), 19.18 (Uranus), 30.06 (Neptune), 39.79 (Pluto). The good fit for Mercury, Venus, and Earth is not relevant; Bode found his formula by using the positions of those three planets. But it is impressive that the formula fits Jupiter exactly, even though Jupiter was an extrapolation. In 1772, when Bode gave his formula, the existence of the asteroids, Uranus, Neptune, and Pluto was not known. In 1781, musician-turned-astronomer William Herschel discovered a faint object moving very slowly around the sun and used Kepler's third law to find its orbit. Uranus was discovered at a mean distance of 19.2, the exact hypothetical position predicted by Bode's formula. King George III was ruling England then, and Herschel named the planet "Georginum Sidus." Herschel was made a Fellow of the Royal Society, and given a King's medal. (The name didn't last long; it was renamed Uranus.) The coincidences continue. On the night of January 1, 1800, Giuseppe Piazzi found a new object between Mars and Jupiter, and then lost it. Heinrich Olbers happened to know of the newly found least squares method and used it to predict the position of the lost object. And, there it was, when the winter cleared: the asteroid belt, at almost exactly the Bode-predicted distance. But, of course, Bode didn't predict any planet at Neptune's current position, which is an inconsistency in Bode's law.

There is mixed reaction among the few I have talked to about whether there could be some truth in Bode's law. I know of three wonderful writings, by Jack Good (1969), Brad Efron (1971), and Persi Diaconis (1978). They provide different perspectives on whether Bode's law is a coincidence or not. In 2003, Jim Zidek and I enquired if short sequences of numbers usually follow Bode's law with a suitable α and β . Some short sequences that didn't behave erratically did give a terrific fit; two that we tried didn't. The early primes, because there are too many early twin primes; and the gestation periods of ten small, medium, and huge mammals. When we excluded the whale and the elephant, the fit was wonderful.

But I must caution against mindlessly accepting numerical laws, for in *The Letters of Noble Woman (Mrs. La Touche of Harristown)*, in 1908, I find Mrs. La Touche's humorous umbrage: "There is no greater mistake than to call arithmetic an *exact* science. There are Permutations and Aberrations discernible to minds entirely noble like mine [...]. For example, if you add a sum from the bottom up, and then again from the top down, the result is always different"!

Open call for CRiSM Collaborative Workshops



Gareth Roberts

Gareth Roberts writes: In 2005, the Engineering and Physical Research Council of the UK and the University of Warwick jointly funded the establishment of the Centre for Research in Statistical Methodology (CRiSM) to be housed within the Department of Statistics at Warwick. External funding for the grant was approximately £4.1M. This activity has

been strongly supported by the University of Warwick, including housing CRiSM in a new purpose-built wing of the Zeeman building [pictured on the facing page].

CRiSM has recently been awarded continuation funding of £600,000, which will ensure the continuation and expansion of its activities until 2016. The continued initiative is again strongly supported by matching funds from within the university.

The CRiSM aims are:

- to provide a sustainable increase in capacity in Statistics within the UK;
- * to provide leadership in research and training;
- to enhance the visibility
 and profile of UK Statistics,
 providing a magnet for
 world-leading researchers to visit the UK;
- * to integrate this activity into a vibrant Warwick Statistics research environment.

The original CRiSM grant has already funded three academic positions for four years; nine years of Research Fellow positions; 10 fully-funded PhD positions; funding to support new build to house the expansion; a visitor programme; and a workshop budget that has supported 25 research workshops to date. However, CRiSM is also embedded within a broader Statistics Department strategy to maintain a balance of strength across Probability, Statistics and important interfaces with other disciplines.

In order to achieve the aims set out above, CRiSM adopts a distinctive strategy to maximise the impact of the initiative in research, training and sustainable capacity building for Warwick and the UK. In particular, there has been a strong emphasis on the funding of young researchers for its activities.

Specific areas where CRiSM has made a substantial impact include inference for stochastic processes, Bayesian computation,

MCMC, sequential Monte Carlo methods, exact Monte Carlo methods, statistics of neuroimaging, statistical ecology, statistical genetics, Bayesian nonparametric statistics, risk assessment for epidemics of infectious diseases, algebraic statistics, composite likelihood statistics, Bayesian methods in econometrics and statistical phonetics.

Details of the past present and future activities of CRiSM can be obtained through its website, http://go.warwick.ac.uk/crism

A major success for CRiSM is the Research Fellow programme. Of the seven excellent research fellows to have completed their contract within CRiSM, all have moved on to academic posts (at Harvard, Oxford, Montreal, University College London, and Warwick). This programme is ongoing and a further Research Fellow position will be advertised shortly.

The 25 CRiSM workshops to date have brought over 1000

visitors to Warwick. However the programme is set to expand with an opportunity for researchers from outside Warwick to become more directly involved. CRiSM is now issuing an open call for CRiSM Collaborative Workshops.

Funding, administrative support and scientific input from within the Department of

Statistics at Warwick is available to support workshops in any area of statistical methodology. Successful applicants will work with a member of academic staff within the department. Nomination of this local organiser is possible, but not necessary on application.

All CRiSM workshops to date have been between one and five days in duration, and had between 20 and 150 participants. It is anticipated that most CRiSM Collaborative workshops will fit into these ranges. Relatively small workshop applications in emerging topical areas of statistical methodology will be particularly encouraged.

Initial workshop proposals should be no more than two pages long, and should contain:

- 1. the scientific rationale, scope and, if possible, an indicative list of some possible speakers;
- an indication of the length of the workshop, a rough estimate of the anticipated number of participants, and any aspects of the workshop format of particular interest;
- 3. any information regarding workshop timing. This does not need

to be precise, but ranges of possible dates and constraints would be very helpful;

4. any relevant information regarding other sources of funding available to support the activity proposed.

Detailed financial information regarding the workshop is NOT required at this stage.

Initial informal enquiries to the Director of CRiSM, Gareth Roberts (e gareth.o.roberts@warwick.ac.uk) are strongly encouraged. It is expected that some very strong workshop applications will emerge iteratively via a constructive dialogue. We emphasise that CRiSM has a very broad remit to promote statistical methodology, so that no particular areas of statistics will be excluded.

Proposals need to be submitted for consideration by 1st December 2012 to Gareth Roberts (e gareth.o.roberts@warwick. ac.uk). Further calls will be issued with deadlines approximately at six-month intervals.

Assessment of proposals will be by a committee consisting of the CRiSM Management team and the CRiSM Council (its external advisory board). Criteria for selection will include the scientific importance and timeliness of the area, the perceived ability of the application team to attract high-quality participants and to organise a successful event, as well as logistical issues and constraints.



The Zeeman building, named after the Department of Mathematics founder, Sir Erik Christopher Zeeman FRS, was recently judged one of the most beautiful university buildings in the UK, according to The Daily Telegraph newspaper.

Are you interested in working at CRiSM/Warwick? There are job openings there advertised on page 23, along with over 50 other jobs from around the world. Take a look!

l On Quitting

Terry Speed's column on page 17 addresses the subject of quitting. Sometimes you know you really should just stop. So we thought we'd reprint one of Jorge Cham's older comic strips from the brilliant "Piled Higher and Deeper" series...









"Piled Higher and Deeper" by Jorge Cham www.phdcomics.com

COPSS Presidents' Award: Samuel Kou

Bhramar Mukherjee, Treasurer/Secretary of the Committee of Presidents of Statistical Societies, presents her profile of, and interview with, the winner of the Presidents' Awards, Sam Kou.

Congratulations to **Samuel Kou**, Harvard University, the 2012 COPSS Presidents' Award winner! The Committee of Presidents of Statistical Societies (COPSS) annually presents awards to honor statisticians under the age of 41 for their outstanding research contributions and service to further the field of statistics (the call for 2013 nominations was in the last issue).

Profile

Samuel Kou was born in Lanzhou, China. He attended Lanzhou No. 1 High School and received his bachelor's degree in computational mathematics from Peking University in 1997. He obtained his PhD in statistics from Stanford University in 2001 under the supervision of Professor Bradley Efron. After completing the PhD study, he joined Harvard University as an Assistant Professor. He was promoted to full professor there in 2008. He is the recipient of a US National Science Foundation CAREER Award, the IMS Richard Tweedie Award, and the Raymond J. Carroll Young Investigator Award. He is an elected Fellow of the American Statistical Association and the Institute of Mathematical Statistics and an elected member of the International Statistical Institute. He was an IMS Medallion Lecturer in 2009, and the recipient of the 2010 American Statistical Association Outstanding Statistical Application Award. He is currently an Editor of the Annals of Applied Statistics and an Editor of Chance magazine, in addition to serving or having served as an associate editor in Statistical Science, Journal of the American Statistical Association (Applications and Case Studies), Bernoulli, Annals of Applied Statistics, Journal of Multivariate Analysis and Statistica Sinica.

Samuel Kou has made fundamental contributions to interdisciplinary, methodological, computational, and mathematical statistics through his work on Bayesian and Monte Carlo methods, nonparametric methods, stochastic modeling and inference in biophysics, and stochastic modeling in finance and economics.

Samuel Kou actively works in the interdisciplinary field of nanoscale biophysics, a booming field that lies in the intersection of biology, chemistry, physics and nanotechnology, where the most state-of-the-art nanotechnologies are applied to study biological systems on an unprecedented single-molecule scale. His ground-breaking contributions include the first likelihood-based Bayesian data augmentation method for handling unobserved molecular Brownian diffusion in single-molecule experiments; the first fractional Brownian motion based Hamiltonian model to explain the



Above: Samuel S. Kou, (right) accepting the COPSS Presidents' Award from Xihong Lin.

experimentally observed conformational fluctuation of protein molecules, which had defied the classical Einstein Brownian diffusion model; and the first microscopic stochastic model that successfully explains the previously mysterious experimental findings in enzymatic reactions, which had contradicted the classical Michalis-Menten kinetics. Samuel Kou's seminal contributions to Monte Carlo methods include the equi-energy sampler, a new Monte Carlo framework, for statistical sampling and inference, which has significantly improved the efficiency of Monte Carlo simulation and has provided a fundamentally new perspective to study sampling and inference problems; the multiresolution method, a general inference framework, to study diffusion processes; the sequential Monte Carlo method FRESS (fragment regrowth via energy-guided sequential sampling) to study protein folding. These methods have been successfully applied to a range of challenging scientific problems, such as DNA motif finding in computational biology, thermodynamic estimation in statistical mechanics, exploring the energy landscape of biomolecules, as well as the problem of protein folding. Samuel Kou's works in nonparametric and empirical Bayes methods include using curved exponential family to construct

model selection criterion, SURE (Stein's unbiased risk estimate) inference of hierarchical models, and kernel estimation of doubly stochastic Poisson processes, among others.

Samuel Kou is a respected teacher, well-liked by his undergraduate and graduate students, and has played an important role in the training of students at Harvard Statistics Department, by first serving as Head Tutor and now as the co-Director of Graduate Studies.

The Presidents' Award citation recognized Samuel Kou "for groundbreaking contributions to stochastic modeling and statistical inference in single molecule biophysics; for pioneering the equi-energy sampler; for fundamental contributions to Bayesian, empirical Bayes and nonparametric methods; and for outstanding service to the statistical profession and contribution to statistical education."

Professor Kou graciously agreed to respond to Bhramar's questions, which we hope will be of interest to our readers.

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

I remember I was in my office preparing the lecture notes for the next classes, when Tony Cai, the committee chair, called, informing me about the news. I was quite surprised, because it was still in February and I thought the result would not be known until much later. And of course, I was overjoyed—it is such a great honor. I then shared the news with my parents and brother. They were all very happy.

Which part of your job do you like the most?

I enjoy being a statistician, working on a diverse range of problems. Many of the problems I work on come from real scientific issues: the challenge of analyzing experimental data or of constructing a stochastic model to explain the experimental puzzles. Along the way, I get the chance to learn some science. As John Tukey said, "The best thing about being a statistician is that you get to play in everyone's backyard."

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

Follow the heart, not the trend. I think only by doing what you love to do, by listening to your heart, can you proceed forward and enjoy the process and the fruits in the long run. I feel it is worth keeping in mind that what is hot right now might not be so hot five or ten years down the line.

Who are your most significant mentors? What impact have they had on your career?

I was fortunate to be a student of Professor Bradley Efron. I learned from him not only statistics, but more importantly how to approach a problem and how to think. Later on, at Harvard, I was lucky to get the chance to learn from and be mentored by Professors Don Rubin, Wing Wong and Jun Liu. Professor Sunney Xie at the Department of Chemistry and Chemical Biology of Harvard University is my science mentor. I picked up from him not only some chemistry, biology and physics, but a perspective of science and the role of statistics in science.

How did you start to work on statistical problems in Biophysics?

Not long after I joined Harvard Statistics Department, I met Professor Sunney Xie at a lunch (arranged by Professor Jun Liu). He told me that his group were doing experiments on single molecules to study biological systems. I was immediately fascinated by it, though I never heard of single-molecule experiments before. I asked him for some background papers to read. It took me a few months to get a rudimentary understanding of what they were doing. I realized that there were a lot of exciting statistical problems in the field because fundamentally at the single-molecule level everything is stochastic, where statistics has an important role to play. I then started to collaborate with Professor Sunney Xie.

Is there anything else you would like to share about our profession?

I love statistics. A statistician is like a nineteenth-century mathematician: on one hand they were working on problems in mechanics, fluid dynamics, optics, astronomy, etc., and on the other hand, they were working on theories, structures and methods. I guess in the modern world, statistics is one of the very few disciplines that still enjoys such interplay.

Finally, what are your hobbies/interests beyond statistics?

I like to travel and explore different cultures. Working in the academia is wonderful in this regard. I like outdoor hiking, though I am not a serious hiker. I like reading books on history, philosophy and general-audience science.

Nominations are open for next year's awards (the Presidents', F.N. David, G.W. Snedecor, and the Fisher Lectureship and Award). See www.niss.org/copss for details and deadlines.

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Recent papers

Annals of Statistics

Access papers at http://projecteuclid.org/aos

The *Annals of Statistics* aims to publish research papers of the highest quality reflecting the many facets of contemporary statistics. Primary emphasis is placed on importance and originality.

Volume 40, number 2: April 2012

Kullback–Leibler aggregation and misspecified generalized linear models	5
A Robbins-Monro procedure for estimation in semiparametric regression models BERNARD BERCU AND PHILIPPE FRAYSSE; 666-693	3
Factor modeling for high-dimensional time series: Inference for the number of factors	ó
A specification test for nonlinear nonstationary models	}
Modeling high-frequency financial data by pure jump processesBING-YI JING, XIN-BING KONG AND ZHI LIU; 759-784	1
Perturbation and scaled Cook's distance	1
Estimation in high-dimensional linear models with deterministic design matrices	1
General nonexact oracle inequalities for classes with a subexponential envelope)
Bayes factors and the geometry of discrete hierarchical loglinear models	
Uniform fractional factorial designs	
Two sample tests for high-dimensional covariance matrices	
Manifold estimation and singular deconvolution	
under Hausdorff loss	3
Bayesian nonparametric estimation of the spectral density	
of a long or intermediate memory Gaussian process	5
Maximum likelihood estimation in log-linear models	3
Nonlinear shrinkage estimation of large-dimensional covariance matrices	
Estimation of means in graphical Gaussian models with symmetries	3
Characterizing L ₂ Boosting	
Bayesian empirical likelihood for quantile regression	
Nonparametric regression with nonparametrically generated covariates ENNO MAMMEN, CHRISTOPH ROTHE AND MELANIE SCHIENLE; 1132-1170	
Noisy matrix decomposition via convex relaxation:	
Optimal rates in high dimensions	7
Degrees of freedom in lasso problems)
Realized Laplace transforms for pure-jump semimartingalesVIKTOR TODOROV AND GEORGE TAUCHEN; 1233-1262	
Re-randomization to improve covariate balance in experiments	
Correction	
Correction on Moments of minors of Wishart matrices MATHIAS DRTON AND ALDO GOIA; 1283-1284	ļ

Annals of Applied Statistics

Access papers at http://projecteuclid.org/aoas

Statistical research spans an enormous range from direct subject-matter collaborations to pure mathematical theory. The *Annals of Applied Statistics*, the newest journal from the IMS, is aimed at papers in the applied half of this range. Published quarterly in both print and electronic form, our goal is to provide a timely and unified forum for all areas of applied statistics.

Volume 6, number 3: September 2012

People born in the Middle East but residing in the Netherlands: Invariant population size estimates and
the role of active and passive covariates PETER G. M. VAN DER HEIJDEN, JOE WHITTAKER, MAARTEN CRUYFF, BART BAKKER AND RIK VAN DER VLIET; 831-852
Matching markers and unlabeled configurations in protein gels
Functional dynamic factor models with application to yield curve forecasting SPENCER HAYS, HAIPENG SHEN AND JIANHUA Z. HUANG; 870-894
Bootstrapping data arrays of arbitrary order
A model for sequential evolution of ligands by exponential enrichment
(SELEX) data JULI ATHERTON, NATHAN BOLEY, BEN BROWN, NOBUO OGAWA, STUART M. DAVIDSON, MICHAEL B. EISEN, MARK D. BIGGIN AND PETER BICKEL; 928-949
Correlation analysis of enzymatic reaction of a single protein molecule
Classification in postural style
Fibre-generated point processes and fields of orientations. BRYONY J. HILL, WILFRID S. KENDALL AND ELKE THÖNNES; 994-1020
A two-way regularization method for MEG source reconstruction
Detecting mutations in mixed sample sequencing data
using empirical Bayes
Inference and characterization of multi-attribute networks
with application to computational biology
Tree-guided group lasso for multi-response regression with structured sparsity,
with an application to eQTL mapping
The importance of distinct modeling strategies for gene and gene-specific treatment effects
in hierarchical models for microarray data
Gene-centric gene–gene interaction: A model-based kernel machine method
Tree models for difference and change detection in a complex environment YONG WANG, ILZE ZIEDINS, MARK HOLMES AND NEIL CHALLANDS; 1162-1184
Semiparametric regression in testicular germ cell data ANASTASIA VOULGARAKI, BENJAMIN KEDEM AND BARRY I. GRAUBARD; 1185-1208
Network inference and biological dynamics
Semiparametric zero-inflated modeling
in multi-ethnic study of atherosclerosis (MESA)
Order selection in nonlinear time series models with application to the study of cell memory
Statistical methods for tissue array images—
algorithmic scoring and co-training
The screening and ranking algorithm to detect DNA copy number variations
Integrative Model-based clustering of microarray methylation
and expression data

I Meeting reports

First Conference of the International Society for NonParametric Statistics (ISNPS).

Dimitris Politis reports:

The First Conference of ISNPS took place in Chalkidiki, Northern Greece, from June 15-19, 2012, with the co-sponsorship of the IMS, the ISI, the Bernoulli Society, as well as the Section for Nonparametric Statistics of ASA. Non-academic sponsors included the publishing houses of Elsevier, Taylor and Francis, and Springer Verlag. A grant from the US National Science Foundation facilitated the travel of US-based participants with particular emphasis on young researcher participation. A volume of the Proceedings of the First Conference of ISNPS is now in preparation, to be published by Springer in early 2014. The program and book of abstracts are available online from the website www.isnpstat.org.

The meeting involved over 275 talks including three plenary speakers (Emmanuel Candes, Peter Hall and Jon Wellner), six special invited speakers (Anestis Antoniadis, Laszlo Gyorfi, Bruce Lindsay, Enno Mammen, Peter Robinson, and Ingrid Van Keilegom), and over 200 invited speakers from all over the world. Most, if not all, of the active research areas in current nonparametric statistics were represented, and the atmosphere was

vibrant. The natural seaside beauty of the location also contributed to the success of the conference.

ISNPS was founded in May 2010 by three IMS Fellows—Michael Akritas, Soumen

Lahiri, and Dimitris Politis—with mission statement: "to foster the research and practice of nonparametric statistics, and to promote the dissemination of new developments in the field via conferences, books and journal publications." ISNPS has a distinguished Advisory Committee that includes R. Beran, P. Bickel, R. Carroll, D. Cook, P. Hall, R. Johnson, B. Lindsay, E. Parzen, P. Robinson, M. Rosenblatt, G. Roussas, T. SubbaRao, and G. Wahba, as well as a Charting Committee consisting of over 50 prominent researchers from all over the world. The nature of ISNPS is uniquely global, and its international conferences are meant to facilitate the exchange of ideas and latest advances among researchers from all around the world in cooperation with



The first meeting of the ISNPS took place in beautiful Chalkidiki, Greece

established statistical societies such as the IMS and the ISI.

Participants of the First Conference of ISNPS were in general enthusiastic about the future of ISNPS. A Publications Committee (Jurgen Franke, Peter Hall, and Enno Mammen) has been formed to investigate whether the society would benefit from the creation of a new journal in the field. In addition, it was decided that the Second ISNPS conference will take place in Spain in June 2014. The exact location and more details will soon become available from the Spain 2014 organizers: Ricardo Cao, Wenceslao Gonzales-Manteiga, and Juan Romo, and also from the ISNPS website www.isnpstat.org.



Got something to share? Write in and tell us your news, and we'll share it with all the readers. Email bulletin@imstat.org

ISS-2012 on Longitudinal Data Analysis Subject to Measurement Error, Missing Values, and/or Outliers

Brajendra C. Sutradhar, Memorial University, was General Chair and IMS Representative of this ISS-2012 meeting. He reports:

The International Symposium in Statistics (ISS) on Longitudinal Data Analysis Subject to Measurement Error, Missing Values, and/or Outliers took place in Memorial University from July 16 to 18, 2012. This meeting covering three specialized research areas for longitudinal data analysis was attended by 51 delegates from many countries such as Brazil, Switzerland, Spain, Netherlands, Mauritius, USA and Canada, covering almost the entire globe. The meeting was a grand success with an excellent academic program complemented by various social events including a barbeque, the symposium banquet and a local scenic bus tour.

The symposium atmosphere was full of love. The symposium welcome address was given by Dr. Ray Gosine, Associate Vice President Research of Memorial University, followed by a plenary talk given by Professor Brajendra Sutradhar on successes and further challenges in the area of longitudinal data analysis when data are subject

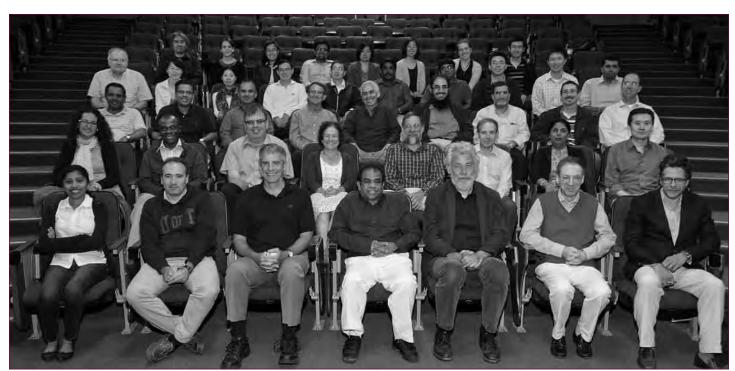
to measurement error. Other plenary and special invited talks in this area were delivered by Professors Leonard Stefanski from North Carolina State University, T. J. Wansbeek from University of Groningen, Netherlands, and John Buonaccorsi from University of Massachusetts. The second day of the symposium was devoted to the analysis of longitudinal data subject to non-response. The plenary and special invited talks on this theme were delivered by Professors Brajendra Sutradhar from Memorial University, Paul S. Albert from NICHD, Maryland, USA, Richard J. Cook from University of Waterloo, and Michael Daniels from University of Florida. The symposium on its third day dealt with successes and challenges for analysis of longitudinal data possibly contaminated by outliers. The three main talks of the day were delivered by Professors Brajendra Sutradhar, Memorial University, Julio M. Singer from Brazil, and Elvezio Ronchetti from University of Geneva.

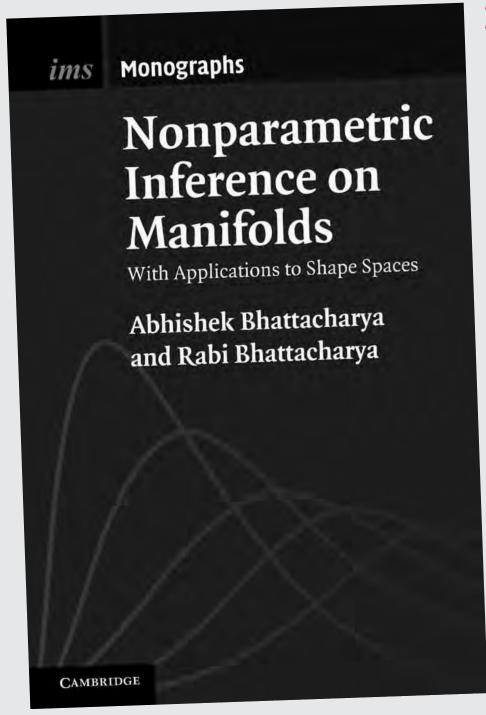
The symposium had another five invited speakers covering these three areas. Also contributed papers were presented by ten speakers including four graduate students. Thus, the goal of the symposium was well reached. Furthermore, it is planned that a selected number of papers presented in the symposium will be published in the near future as lecture notes in the Springer's lecture note series.



Above: Professor Brajendra Sutradhar (right) introducing Dr. Ray Gosine, Associate Vice President Research, Memorial University.

Below: delegates of the symposium.





IMS Monographs 2: Nonparametric Inference on Manifolds, with Applications to Shape Spaces

by **Abhishek Bhattacharya**, ISI Kolkata, and **Rabi Bhattacharya**, University of Arizona

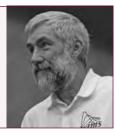
This book introduces in a systematic manner a general nonparametric theory of statistics on manifolds, with emphasis on manifolds of shapes. The theory has important and varied applications in medical diagnostics, image analysis, and machine vision. An early chapter of examples establishes the effectiveness of the new methods and demonstrates how they outperform their parametric counterparts. Inference is developed for both intrinsic and extrinsic Fréchet means of probability distributions on manifolds, then applied to shape spaces defined as orbits of landmarks under a Lie group of transformations—in particular, similarity, reflection similarity, affine and projective transformations. In addition, nonparametric Bayesian theory is adapted and extended to manifolds for the purposes of density estimation, regression and classification.

Ideal for statisticians who analyze manifold data and wish to develop their own methodology, this book is also of interest to probabilists, mathematicians, computer scientists and morphometricians with mathematical training.

IMS members, claim your discount: **\$48.00** (was \$80.00) using this link: http://www.cambridge.org/discountpromotion/?site_locale=en_US&code=IMSSERIES2

I Terence's Stuff: Quitting

To guit or not to guit, that is (sort of) the question Terry Speed is asking. Don't worry, he's not quitting this column.



o-one wants to be seen as a quitter. And none of us want to advise a student, colleague or friend to quit doing something in which they have invested heavily. Or support them, if they decide to quit. However, the moment I put it like this, it is clear that quitting must the right thing for some people on some occasions, and at times should be carried out, advised or supported. You don't have to be an economist, or know terms like sunk cost and opportunity cost, to see this. You don't have to live your life according to platitudes, and never "throw good money after bad" to see it. The problem is that quitting has a very bad reputation. Who hasn't heard of Lance Armstrong's recent activities? Or his earlier saying: "Pain is temporary. Quitting lasts forever." Who wants to be for quitting?

I've dealt with quitting from several perspectives over the years. Looking back, I am surprised at my inconsistency. I started my first year at university doing a combined science and medical degree. I wanted to fulfil a long-term ambition to become a doctor, and then go into medical research. By the end of my first term, I had dropped out of medicine, and switched to a math major. I started my postgraduate career working towards a PhD in statistics. By the end of my first term I had dropped out of that, and taken a teaching job in another university. Not long into that job, I encouraged a first-year student to drop out. I saw that his heart wasn't in academic study, but elsewhere, and I said, "Follow your heart." It looks as though I had unconsciously hit

upon the business mantra, "Fail early, fail fast, fail often."

In due course I got a math PhD and started advising graduate students. The one who would have been my second successful PhD student was doing well. He'd published a paper on his research in a top journal, given me a near final draft of his thesis for comment, and gone back to his hometown, for his funding had run out. I mailed my relatively minor comments to him, and waited for him to file his thesis. He never did. I wondered whether my comments were so harsh that I'd discouraged him (I didn't think so), or whether I'd failed him in some other way. Much later I learned that he had had a long and successful career as a schoolmaster. Only now am I admitting the possibility that it wasn't my fault, that perhaps he made a career choice, and consciously dropped out. I would never have supported a decision to quit so close to success.

Since that PhD student I have had four others drop out while under my supervision. One went back into industry, one ended up having a successful research career in the area of his never completed PhD thesis, one moved to a different PhD program, and I lost touch with the fourth. Each time I saw their leaving as a failing in me, feeling that I had let them down.

Perhaps I did, but perhaps they simply made sensible career decisions.

I have had many conversations about quitting with students and colleagues over the years. The ones I've mentioned are the most personal. What have I learned from

my experience and conversations? To state the obvious, I now believe that quitting can be wholly desirable. For many people, it's the beginning of a new and successful phase in their life. Listen to the Freakonomics guys on this. Teachers, mentors, thesis advisors: it's not necessarily about you! It may be, but there are other good reasons for quitting.

Here's what a wise PhD student friend of mine told me recently. "My friend wants to quit [for] a combination of two reasons. One: she doesn't like what she does and wants to do something else with her life; two: her advisor doesn't know what she (my friend) does... Reason one ≫ reason two. A PhD is often very difficult in that it rarely offers many fulfilling moments, even more so if one is not head over heels in love with what one does. The feeling of fulfillment is very important to human beings, I think. Feeling you are doing something really useful (instead of writing a paper that no one reads), getting spectacular results (which rarely happens), being able to support the people one loves financially, etc. So sometimes people will go off to get it from somewhere else. That's how I see why people quit their PhDs". As with PhDs, so with later life. Do what you like doing, do something you do well, try to balance life and work, seek fulfillment.

A dilemma: to auit or not to auit?



I 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

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: October 19 - November 19: submit invited session abstracts. December 3 - February 4: submit abstracts, invited posters, IOLs, topic and regular contributed abstracts. May 1: register and reserve housing.

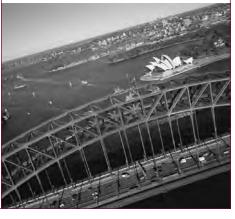
Montréal Canada

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!



2014

3-8, 2013

IMS Annual Meeting:

At a glance:

forthcoming

IMS Annual

Meeting and

IMS Annual Meeting

@ JSM: Montréal,

Canada, August

ISM dates

2013

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

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/

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.

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

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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 co-sponsored meeting

4th IMS-China International Conference on Statistics and Probability June 30 – July 4, 2013



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.

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

ISBA Regional Meeting and International Workshop/Conference on Bayesian Theory and Applications (IWCBTA) January 6–10, 2013, Varanasi, India

w www.bhu.ac.in/isba

IMS Rep on Program Committee: Dipak Dey

The DST Centre for Interdisciplinary Mathematical Sciences, Banaras Hindu University, is organizing the ISBA Regional Meeting in conjunction with International Workshop/ Conference on Bayesian Theory and Applications (IWCBTA) from January 6–10, 2013. The meeting is co-sponsored by the International Society for Bayesian Analysis (ISBA), the Indian Bayesian Society and the Indian Chapter of ISBA. A few tutorials will be offered on January 6–7. The afternoon of January 7 will have the Inaugural session of the ISBA Regional Meeting and IWCBTA. The main contributed and invited presentations will begin from January 8, 2013, with poster presentations each evening.

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.



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.

http://imstat.org/ submit-meeting.html

It's free publicity!

I Other meetings around the world

STAR workshop on Random Graphs November 1-2, 2012 **University of Utrecht, The Netherlands**

w http://www.math.uu.nl/~Muell001/workshopRGs/

On Thursday 1 and Friday 2 November 2012 there will be a workshop on random graphs on the campus of the University of Utrecht. Utrecht is a picturesque old city in the center of the Netherlands.

We are very pleased that the following eminent researchers have agreed to deliver plenary talks: Amin Coja-Oghlan (Frankfurt); Remco van der Hofstad (Eindhoven); Svante Janson (Uppsala); Michael Krivelevich (Tel Aviv); Nelly Litvak (Twente); Piet van Mieghem (Delft); Marc Noy (Barcelona)

In addition to these lectures, there will be a number of shorter talks by researchers in the early stages of their career.

The workshop is open to all and free of charge, but please register to let us know that you are coming by sending an e-mail to Tobias Mueller e tobias@cwi.nl

Summer School on Topics in Space-Time Modeling and Inference May 27-31, 2013

Aalborg, Denmark

w http://csqb.dk/activities/2013/space-timemodeling/ The lecturers will be: Professor Peter Diggle, Lancaster University; Professor Tilmann Gneiting, University of Heidelberg; Professor Peter F. Craigmile, Ohio State University; Professor Rasmus Waagepetersen, Aalborg University.

Organizer: Professor Jesper Møller, Aalborg University

8th workshop on Bayesian Inference in Stochastic Processes (BISP8) June 6-8, 2013

Milano, Italy

w http://www.mi.imati.cnr.it/conferences/BISP8/

This workshop will provide an opportunity to review, discuss and explore directions of development of Bayesian Inference in Stochastic Processes and in the use of Stochastic Processes for Bayesian Inference.

Spatial Statistics Conference December 13-14, 2012 Miami, Florida, USA

w www.bus.miami.edu/ssc/

The School of Business Administration at the University of Miami is organizing a conference on Spatial Statistics. The Conference will be held at the Rosenstiel School of Marine and Atmospheric Science, which is located on the beautiful Virginia Key, Florida. Junior Researchers are especially encouraged to participate and travel support will be provided pending availability of funding. For more information see the website above.

Contact: Vanessa Ferguson t 305-284-6595 f 305-284-2321 e vferguson@miami.edu

International Cramér Symposium on Insurance Mathematics June 11-14, 2013



Stockholm, Sweden

w http://www2.math.su.se/icsim

The symposium is dedicated to the memory of the outstanding Swedish mathematician and one the founders of modern insurance mathematics, Harald Cramér, and it will also mark the centenary of the Scandinavian Actuarial Journal.

The main topics of the symposium are: modern risk theory; stochastic modeling of insurance business in the Solvency II framework; modern mathematical problems in non-life and life insurance and reinsurance; actuarial statistics and actuarial software; modern trends in actuarial education.

28th IWSM, International Workshop on Statistical Modelling July 8–12, 2013



Palermo, Italy

w http://iwsm2013.unipa.it/

The IWSM is a well established annual workshop aimed at promoting and encouraging statistical modelling in its widest sense, involving both academic and professional statisticians and data analysts. The workshop consists of both invited and contributed talks with no parallel session.

More meetings around the world

NSF Travel Grants for IISA 2013 Conference



International Indian Statistical Association Conference January 2–5, 2013

Chennai, India

w http://www.iisaconference.info/

The International Indian Statistical Association (IISA) Conference Organizers are very pleased to announce travel grants for students, post-doctoral Fellows, and Junior Faculty to attend the IISA Conference, January 2–5, 2013, in Chennai, India. The travel awards are being supported by the National Science Foundation (NSF).

Student Eligibility: Only full-time graduate students attending US Colleges and Universities and pursuing a degree in Statistics, Biostatistics, or related fields may apply. Although preference will be given to students who are presenting papers at the conference, this is not a requirement for eligibility.

Post-doctoral Students and Junior Faculty: Only applicants employed at US Colleges and Universities are eligible. Applicants must

have received their Ph.D. no earlier than January 2010. Applicants must present a paper at the conference to be eligible for the travel award.

We strongly encourage applications from minority and women students and faculty from diverse institutions.

Application

All applicants must submit the following documents:

- A short personal statement (1 page) describing your research interests and how you will benefit from attending the IISA 2013 Conference
- A two-page Curriculum Vitae
- · A title and an extended abstract of your talk (if applicable)
- The completed application form (students must obtain a signature from their advisor). Please go to http://www.iisaconference.info/travel-grants for the application form.

Awardees are required to attend the entire conference, including the workshops. Workshops are tentatively planned for January 1 (afternoon) and for January 6. Please note that IISA may not be able to reimburse you for all of your travel expenses due to limited budget, and the reimbursement amount for an awardee will be capped at \$1,500. Expenses that are eligible for partial reimbursement include advance registration, airfare and hotel accommodation. Awardees will be reimbursed only after completion of the conference and receipt of all required documentation and receipts.

Applications will be reviewed by the IISA Travel Award Committee with Cyrus Mehta, H.N. Nagaraja and Nalini Ravishanker (Chair) as members.

Please submit your application package by email (PDF files only) to Professor Nalini Ravishanker (Department of Statistics, University of Connecticut, Storrs) e nalini.ravishanker@uconn.edu

Deadline for Submission: November 1, 2012.

Student Paper Competition at IISA 2013 Conference



International Indian Statistical Association Conference January 2–5, 2013

Chennai, India

w http://www.iisaconference.info/

The International Indian Statistical Association (IISA) announces a graduate student paper competition at the Chennai meeting. Two awards will be given, one in the Theory & Methods category and the other in the Applications category. The committee will evaluate the scientific content as well as the oral presentation during the conference. Awards will be presented at the Conference Banquet. Winners will receive a cash award and a certificate.

All papers of substantial statistical content are welcome. Papers should be written in English with a font size of at least 12 point double-spaced. The length of the article should not exceed twenty pages (including reference, tables, and figures). The cover page must include a Title, Name(s), Affiliation(s), and an Abstract.

Eligibility: The competition is open to any full-time graduate student. It is not a requirement that the paper has already been submitted to a journal, but the student must be the lead author of the paper at the time of submission. The student must be registered for the conference and must be present at the conference to be eligible for the award.

Please submit a completed application form (signed by both the applicant and their major professor) and a copy of the paper by email to iisa2013studcomp@gmail.com. Only PDF files will be accepted. Files in other formats will be returned without review. Please download the application form from http://iisa.aadiventures.com/sites/default/files/StudentCompetition-applform.docx.

Deadline for Submission: November 15, 2012

Employment Opportunities around the world

Hong Kong

The Hong Kong University of Science and Technology Department of Information Systems, Business Statistics and Operations Management Non-Tenure Track Teaching Position for Business Statistics at HKUST

The Hong Kong University of Science and Technology (HKUST) invites applications for a non-tenure track teaching position for business statistics in the Department of ISOM, in the ranks of Assistant or Associate Professor,



with renewable contract. Applications will be accepted until the position is filled. A PhD in statistics or a related area is required. Applicants with teaching experience in MBA programs are particularly welcome.

The successful applicant is expected to play an important role in teaching and developing business statistics courses for undergraduate and MBA programs of the School of Business and Management. Furthermore, the successful applicant will have opportunities to teach in various executive education programs and EMBA programs for additional income. Salary is competitive and depends on qualifications and experience.

Special Instructions to Applicants: applicants must submit a letter of application and curriculum vitae. Please arrange for three current letters of reference to be sent to: Search Committee (Statistics), Department of ISOM, School of Business and Management, HKUST, Clear Water Bay, HONG KONG. For inquiries, please email to stat11@ust.hk

United States: University Park, PA

Penn State Statistics Department Faculty Positions

Multiple tenure-track positions at all levels available in Statistics Department beginning August 2013. PhD in statistics or related field, excellent research and teaching credentials; particulars at www.stat.psu.edu. Please apply at mathjobs.org. Screening begins November 15. Employment will require successful completion of background check(s) in accordance with University policies. Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.



United Kingdom: Warwick

University of Warwick, United Kingdom

Warwick Statistics and CRiSM: Building Analytical Capacity



Recognising the strong and still-increasing global demand for high-level expertise in statistical science, Warwick is investing further in its highly successful Department of Statistics.

- ranked 2nd in the UK national Research Assessment Exercise (RAE 2008) on volume of world-leading research in Statistics
- home of the internationally leading Centre for Research in Statistical Methodology (CRISM)
- We seek now to appoint talented researchers at all levels of experience:
- Professor of Statistics
- Reader in Statistics
- Assistant Professor in Statistics
- Assistant Professor in Statistics and Complexity

- home of the EPSRC-funded Academy for PhD Training in Statistics (apts.ac.uk)
- departmental base for around 540 undergraduates and 90 graduate students.
- Harrison Early-career Assistant Professor in Statistics (for 3 years)
- CRiSM Postdoctoral Research Fellow in Statistical Methodology (for 3 years)
- Warwick Statistics Postdoctoral Research Fellow (for 3 years)

The Department's current research interests span a broad range including Probability Theory, Statistical Theory, Statistical Methodology, Computational Statistics, Applied Probability, Applied Statistics and Stochastic Finance. Some of the above posts emphasize Statistical Methodology, Computational Statistics, Applied Statistics, Complexity Science and Stochastic Finance; others are open to researchers in any area of Probability or Statistics.

For full details of all posts see http://warwick.ac.uk/statjobs

To apply please visit the website below. Closing date: 12 November 2012.





The University Values Diversity

www.warwick.ac.uk/statjobs

Canada: Edmonton, AB

University of Alberta

Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10878470

Canada: Waterloo, ON

University of Waterloo

Actuarial Science - Lecturer Position

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10871496

Canada: Waterloo, ON

University of Waterloo

Actuarial Science - Tenure-Track

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10871452

Canada: Waterloo, ON

University of Waterloo

Biostatistics - Tenure-Track

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10871451

Canada: Waterloo, ON

University of Waterloo

Statistics - Tenure-Track

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10871437

Canada: Montreal, PQ

Mathematics and statistics, Université de Montreal

Professor of Actuarial Science

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11012513

Germany: Heidelberg

Karlsruhe Institute of Technology, Department of Mathematics

Professorship (tenure)

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11047799

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

Junior Faculty Positions in Statistical Physics http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10931497

Mexico: Guanajuato

CIMAT

Visiting researcher

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10563053

Singapore

Nanyang Technological University

Tenure Track Assistant / Associate Professors in Analytics http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10938164

Singapore

National University of Singapore

Professor and Head of the Department of Statistics and Applied Probability

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10934284

Singapore

Singapore University of Technology and Design

Faculty Positions in Statistics

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10762910

Taiwan: Taipei

Institute of Statistical Science, Academia Sinica

Regular Research Positions

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

The Institute of Statistical Science, Academia Sinica, is seeking outstanding candidates for regular research positions at the level of assistant, associate or full research fellow available in 2013.

Candidates in all areas of Statistics will be considered. Candidates should have a PhD in statistics or related fields. Application materials must include (1) a curriculum vitae, (2) three letters of recommendation and (3) representative publications and/or technical reports. Additional supporting materials such as transcripts for new PhD applicants may also be included. Except for the letters of recommendation, electronic submissions are encouraged. Applications should be submitted to

Dr. Su-Yun Huang

Chair of the Search Committee

Institute of Statistical Science, Academia Sinica

128 Sec. 2 Academia Road, Taipei 11529, Taiwan, R.O.C.

f +886-2-27831523

e syhuang@stat.sinica.edu.tw

Applications should be completed by December 31, 2012 for full consideration.

United States: Auburn, AL

Auburn University

Associate Research Professor http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10823516

United States: Bakersfield, CA

Kern Community College District

Institutional Research Analyst (COF) http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10781749

United States: Berkeley, CA

UC Berkeley

Assistant Professor, Statistics http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10807637

United States: Los Angeles, CA

UCLA Department of Mathematics

Faculty Positions 2013-12 http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10847409

United States: Los Angeles, CA

University of Southern California, Marshall School of Business

Tenure Track Positions in Statistics in the Marshall School of Business

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10878088

United States: Los Angeles, CA

University of California, Los Angeles (UCLA), Department of Statistics

Open-ranked tenured and tenured track position http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10953351

United States: Fort Collins, CO

Colorado State University-Department of Statistics

Tenure-Track Faculty Position http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11005087

United States: Fort Collins, CO

Colorado State University-Department of Statistics

Tenure-Track Faculty Position http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11026078

United States: Storrs, CT

University of Connecticut

Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10917375

United States: Gainesville, FL

University of Florida, Department of Statistics

Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10988248

United States: Atlanta, GA

Georgia Tech

The School of Mathematics at Georgia Tech is accepting applications for faculty positions at all ranks and in all areas of Pure and Applied Mathematics and Statistics. Applications by highly qualified candidates, and especially those from groups underrepresented in the mathematical sciences, are particularly encouraged.

See www.math.gatech.edu/resources/employment for more details and application instructions.

United States: Iowa City, IA

THE UNIVERSITY OF IOWA

College of Public Health

The Department of Biostatistics in the College of Public Health at The University of Iowa invites applications at the rank of tenure-track Assistant Professor and applications at the rank of clinical-track Assistant Professor.

Each position requires a PhD or equivalent in biostatistics, statistics, or a related area, as well as evidence of excellent written and oral communication skills. The successful candidates for these positions will be involved in teaching, service, and research. The tenure-track assistant professor (Req.# 61511) requires expertise in statistical methods related to the analysis of genetic data and/or genomic sequencing, as well as potential to develop an independent research agenda and the potential for excellence in teaching. This individual will collaborate with the recently formed interdisciplinary cluster of faculty in genetics, the Iowa Institute of Human Genetics http://www.medicine.uiowa.edu/humangenetics/.

The clinical-track assistant professor (Req. #61514) requires the potential for excellence in collaborative research related to clinical trials and potential for excellence in teaching. This clinical track position is for an individual with an interest in collaborating and supporting projects in the Clinical Trials Statistical and Data Management Center (CTSDMC) www.ctsdmc.org/
Please refer to http://jobs.uiowa.edu/ for each complete position description and electronic application information.

The University of Iowa is an Affirmative Action/Equal Opportunity Employer.



Postdoctoral Fellowships for 2013-2014

Postdoctoral fellowships are available (up to 6) at the Statistical and Applied Mathematical Sciences Institute (SAMSI) for either of the two SAMSI Research Programs for 2013-14: **Computational Methods in the Social Sciences (CMSS)** and **Low-Dimensional Structure in High-Dimensional Systems (LDHD)**. Appointments will begin in August 2013 and will typically be for two years, although they can also be arranged for one year. Appointments are made jointly between SAMSI and one of its partner universities, where teaching is a possibility. Extremely competitive salaries, travel stipend, and health insurance will be offered

The CMSS program will focus on statistical and computational methods applied to the social sciences, with a particular focus on up-to-date methods for exploiting the potential of large social science datasets. The three principal themes of the program will be:

- (a) Social Networks, with a focus on statistical design and inference problems, causal inference, respondent-driven sampling, event data and clustering;
- (b) Agent-Based Models, with a focus on data assimilation, calibration and statistical inference;
- (c) Statistical Methodology for Censuses and Surveys, covering such topics as complex models for survey data, statistical inference and asymptotics, missing data and data imputation, combining data from multiple surveys and the application of spatial statistics to small-area estimation.

For additional information on this program, please see: http://www.samsi.info/CMSS

The LDHD program will address methodological, theoretical, and computational challenges posed by high-dimensional mathematical and statistical models with limited data. It will focus on low-dimensional structures that approximate or encapsulate the given data. Probability and statistics, geometry, topology, and computer science will be combined in theory and in applications such as image and signal analysis, networks, genetics and genomics, dynamical systems, and machine learning.

For additional information on this program, please see: http://www.samsi.info/LDHD

Criteria for selection for SAMSI Postdoctoral Fellows include demonstrated research ability in statistical and/or applied mathematical sciences, interest and (to a lesser degree) experience in the SAMSI program areas and vision, together with strength in computation and in verbal and written communication. The deadline for full consideration is December 15, 2012, although later applications will be considered as resources permit.

In your cover letter, please specify which of the two SAMSI research programs you are applying to (CMSS or LDHD) and why you would be a good fit for SAMSI and that program.

To apply, go to mathjobs.org, SAMSIPD2013 Job #3759

United States: Urbana Champaign, IL

Department of Statistics, University of Illinois at Urbana-Champaign

Associate or Full Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11005048

United States: Urbana Champaign, IL

Department of Statistics, University of Illinois at Urbana-Champaign

Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11005056

United States: Bloomington, IN

Indiana University

Assistant Professor of Statistics

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=7145820

United States: West Lafayette, IN

Purdue University

Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11035347

United States: Williamstown, MA

Williams College

Assistant Professor of Statistics

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10554589

United States: Worcester, MA

College of the Holy Cross

Tenure-Track Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10800752

United States: Boston, MA

Boston University, Department of Mathematics and Statistics

Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10988328

United States: Columbia, MO

University of Missouri

Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10568012

United States: Columbia, MO

University of Missouri

Associate/Full Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10568074

United States: Rochester, MN

University of Minnesota, Rochester

Quantitative Faculty

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11012872

United States: Raleigh, NC

North Carolina State University, Department of Statistics

Tenure Track Professor Positions

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10932658

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: 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: Ithaca, NY

Cornell University

Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10863497

United States: New York, NY

Cornell University

Tenure or Tenure-Track Positions

The Department of Mathematics at Cornell University invites applications for three tenure-track Assistant Professor positions, or higher rank, pending administrative approval, starting July 1, 2013. The searches are open to all areas of Mathematics with an emphasis on the areas of probability; algebra, in particular, number theory; analysis, in particular, PDE; and topology. The Department actively encourages applications from women and minority candidates.

Applicants must apply electronically at http://www.mathjobs. org. For information about our positions and application instructions, see http://www.math.cornell.edu/Positions/positions.html

Applicants will be automatically considered for all eligible positions. Deadline November 1, 2012. Early applications will be regarded favorably.

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

United States: Brockport, NY

The College at Brockport

Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10945183

United States: New York, NY

CUNY - College of Staten Island

Assistant or Associate Professor - Computational Molecular Biology (Biology)

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10996696

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: Pittsburgh, PA

Carnegie Mellon University

Applications are invited for possible tenure-track, lecturer, and visiting positions. Carnegie Mellon offers a collegial faculty environment, emphasizing a combination of disciplinary and cross-disciplinary research and teaching. All areas of statistics are welcome, and joint appointments with other units in the Pittsburgh area are possible. We especially encourage women and minorities to apply. Details at http://www.stat.cmu.edu (email: hiring@stat.cmu.edu). Application screening begins immediately and continues until positions closed. Send CV, research papers, relevant transcripts and three letters of recommendation to: Chair, Faculty Search Committee, Department of Statistics, Carnegie Mellon University, Pittsburgh, PA 15213, USA. AA/EOE.

United States: University Park, PA

Penn State Statistics Department Faculty Positions

Multiple tenure-track positions at all levels available in Statistics Department beginning August 2013. PhD in statistics or related field, excellent research and teaching credentials; particulars at www.stat.psu.edu. Please apply at mathjobs.org. Screening begins November 15. Employment will require successful completion of background check(s) in accordance with University policies. Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

United States: Columbia, SC

University of South Carolina, Department of Statistics

Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10891804

United States: Memphis, TN

University of Memphis

Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11035491

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: Seattle, WA

Fred Hutchinson Cancer Research Center

Post-Doctoral Research Fellow http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=11026389



International Calendar of Statistical Events

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

October 2012

October 8–12: Sønderborg, Denmark. **Workshop on Geometry and Statistics in Bioimaging: Manifolds and Stratified Spaces w** http://csgb.dk/activities/2012/geostat/

October 9–13: ICERM, Providence, RI. Uncertainty Quantification w http://icerm.brown.edu/sp-f12-w2

Third Workshop for Women in Probability
w www.math.duke.edu/~rtd/wwp12/WWP2012.html

October 18: Silver Spring, MD. 2nd Annual Symposium on Large-Scale Inference e LargeData@s-3.com

October 28 – November 4: Bar Harbor, Maine, USA. Short Course on Systems Genetics w http://courses.jax.org/2012/systems-genetics. html

October 29 – November 2: ICERM, Providence, RI. Monte Carlo Methods in the Physical and Biological Sciences w http://icerm.brown.edu/sp-f12-w3

November 2012

November 1–2: University of Utrecht, The Netherlands. STAR workshop on Random Graphs. Please register: Tobias Mueller e tobias@cwi.nl w http://www.math.uu.nl/~Muell001/workshopRGs/

November 15–16: Harvard Medical School, Cambridge, MA. Sequencing and Complex Traits: beyond 1000 Genomes w www. hsph.harvard.edu/research/pqq-conference-2012

November 28–30: ICERM, Providence, RI. **Performance Analysis** of Monte Carlo Methods w http://icerm.brown.edu/sp-f12-w4

December 2012

December 2–7: Atlantic City, NJ, USA. 68th Annual Deming Conference on Applied Statistics w www.demingconference.com

December 13–14: Miami, FL. **Spatial Statistics Conference w** www. bus.miami.edu/ssc/

December 15–17: Chandigarh, India 21st International Conference on Interdisciplinary Mathematics, Statistics and Computational Techniques (IMSCT 2012-FIM XXI) w http://imsct2012.puchd.ac.in/index.php

December 19–22: Doha, Qatar. 12th Islamic Countries Conference on Statistical Sciences (ICCS-12) w www.iccs12.isoss.net

December 24–25: Burdwan, West Bengal, India. Young Statisticians Meet: An International Conference w http://www.buruniv.ac.in/Notices/UBUR_2012032_NOT_WEBPAGE.pdf

December 27–29: Dhaka, Bangladesh. Statistics in Planning and Development: Bangladesh Perspective w TBC

January 2013

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

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

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/

March 2013

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

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

International Calendar continued

April 2013

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

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

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 Joint Conference on Probability Theory and Mathematical Statistics w http://www.gpps.umk.pl/

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

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

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

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

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), Rio de Janeiro State, Brazil (exact location TBA). **w** http://www.im.ufrj.br/ebp17/ (under construction)

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 www.isi2013.hk

October 2013

October 15–16: Basel, Switzerland. International Conference

Ars Conjectandi 1713–2013 w http://www.statoo.ch/bernoulli13/

December 2013

International Conference w TBC

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

January 2014

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

March 2014

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

July 2014

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

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

Membership and Subscription Information

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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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Each individual member receives the *IMS Bulletin* (print and/or electronic) and may elect to receive one or more of the five scientific journals. Members pay annual dues of \$108. An additional \$59 is added to the dues of members for each scientific journal selected (\$35 for *Stat Sci*). **Reduced membership** dues are available to full-time students, new graduates, permanent residents of countries designated by the IMS Council, and retired members. **Organizational memberships** are available to departments, corporations, government agencies and other similar research institutions at \$163 per year.

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IMS Bulletin

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

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

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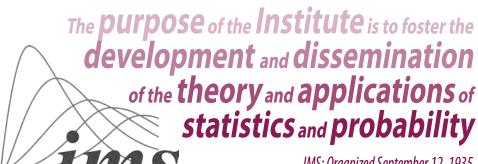
DEADLINES submissions

November 1, then **December 1**

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AN OFFICIAL JOURNAL OF THE INSTITUTE OF MATHEMATICAL STATISTICS

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