

August 2012

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Elections: results announced

The IMS election results are in. The new President-Elect is Bin Yu. Five people are elected to serve on Council for a three-year term, and one for a one-year term. Those serving for three years are Erwin Bolthausen, Alison Etheridge, Xiao-Li Meng, Nancy Reid and Richard Samworth; and Nancy Lopes Garcia will serve on Council for one year.

Special note: Ed George was on the ballot, however, he was identified as ineligible because he was currently serving on Council with a term expiring in August 2012. The IMS Bylaws require one year off of Council before being eligible for nomination again. This was an oversight and did not become apparent until all ballots had gone out and voting had commenced.

This unusual situation was handled as follows: once voting closed, Ed George was eliminated from the ballots and then the votes were counted. Ed's name was eliminated from the ballots in the following way: when a voter gave rank $k > 0$ to Ed George, as well as ranks $k+1, \dots, k+J$ to $J \geq 1$ other candidates, the ranks of the latter were changed to $k, k+1, \dots, k+J-1$. Then Ed George was removed from all ballots.

The elected Council members will replace Marie Davidian, Ed George (see above), Robert Tibshirani, Michael Titterton, and Zhiliang Ying, whose three-year terms end this July. They will join Arnoldo Frigessi, Steve Lalley, Ingrid Van Keilegom and Wing Wong, whose terms end in 2013; and Sandrine Dudoit, Steve Evans, Sonia Petrone, Christian Robert and Qiwei Yao, whose terms end in 2014. Thanks to all of them for helping to guide the Institute.



Left: Bin Yu, IMS President-Elect.

Below are the six elected Council candidates.

Top row, l-r: Erwin Bolthausen, Alison Etheridge, Nancy L. Garcia (one-year term)

Bottom, l-r: Xiao-Li Meng, Nancy Reid, Richard Samworth



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IMS Members' News

Peter Jagers selected to receive 2012 IMS Carver award

IMS Fellow Peter Jagers has been chosen as this year's Harry C. Carver Award winner. Peter is Professor of Mathematical Statistics at Chalmers University of Technology and the University of Gothenburg in Sweden. The citation read, "*To Peter Jagers, for heading the organization committees for the first joint Bernoulli Society–IMS World Congress in Uppsala in 1990, and the IMS 2010 Annual meeting in Gothenburg; and for other contributions that have brought IMS and the Bernoulli Society closer together.*"

Peter is a Fellow of IMS, the Royal Swedish Academy of Sciences, and the Royal Gothenburg Society of Arts and Sciences; a Member of the International Statistical Institute; and was awarded Doctor honoris causa by the Bulgarian Academy of Sciences. He served as President of the Royal Gothenburg Society of Arts and Sciences 2012, was First Vice-President of the Royal Swedish Academy of Sciences (2007–10), and was President of the Bernoulli Society (2005–07). He has served several journals including *Advances in Applied Probability*, *Journal of Applied Probability*, *Springer Series in Probability and its Applications*, *Mathematical Population Studies*, *Serdica*, and *Biology Direct*, and was Editor-in-Chief of *Stochastic Processes and their Applications* from 1989 to 1993.

Peter is not able to travel to receive his award at the World Congress, so the Carver Award will be presented at the next IMS annual meeting, at JSM Montreal in August 2013.

Lefkopoulou memorial lecture by Rafael Irizarry

The Department of Biostatistics, Harvard School of Public Health, has named Professor **Rafael Irizarry**, Department of Biostatistics at Johns Hopkins Bloomberg School of Public Health, as the 2012 Myrto Lefkopoulou Distinguished Lecturer. Professor Irizarry will present a lecture on September 13 at the Harvard School of Public Health. The lectureship was established in perpetuity in memory of Dr. Myrto Lefkopoulou, a beloved faculty member and graduate of Harvard School of Public Health. Each year the Lectureship is awarded to a promising statistician who has made contributions to either collaborative or methodologic research in the applications of statistical methods to biology or medicine and/or has shown excellence in the teaching of biostatistics.

Previous recipients are Geert Molenberghs, Mark van der Laan, Jianqing Fan, Francesca Dominici, Heping Zhang, Xihong Lin, David Dunson and Jeffrey Morris.

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

Marc Hallin receives Humboldt Award

Professor **Marc Hallin** of the Free University of Brussels, European Centre for Advanced Research in Economics and Statistics (ECARES) has been elected the recipient of a Humboldt Research Award. He was nominated for this award by the German scientist Prof. Holger Dette, Universität Bochum.

This award is conferred in recognition of lifetime achievements in research. In addition, the awardee is invited to carry out research projects of his own choice in cooperation with specialist colleagues in Germany, to further promote international scientific cooperation. See <http://www.humboldt-foundation.de/web/programmes-by-target-group.html>

IMS Members' News

Bruce Lindsay Selected as Penn State's Eberly Family Chair in Statistics

Bruce Lindsay, Willaman Professor of Statistics and head of the Department of Statistics at Penn State University, has been appointed as Holder of the Eberly Family Chair in Statistics, one of the highest honors awarded to faculty members in Penn State's Eberly College of Science. The appointment was made in recognition of Lindsay's national and international reputation for excellence in research and teaching.

Lindsay's statistical research is centered around likelihood-based statistical inferences. He has published numerous papers that are viewed as fundamental innovations on important topics related to the analysis of scientific data. Lindsay has focused on statistical methods that are useful for research in other scientific disciplines; for example, he has constructed models and analyses that have been applied to biological data from genomic studies. Lindsay is recognized particularly for the methods he developed for working with mixture models, which are used when data are collected from a mixture of populations. His work in this area is recognized as a major contribution to the foundations of statistical theory. Lindsay was chosen in 1993 to deliver ten lectures as the principal speaker at a regional conference organized by the National Science Foundation Conference Board of the Mathematical Sciences; he has presented invited talks at scientific meetings around the world. He was the 2010 COPSS Fisher Lecturer.

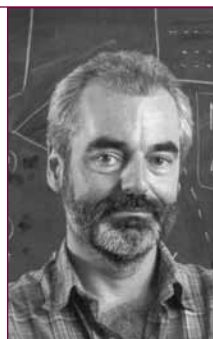
Lindsay has supervised 30 PhD degree recipients during his time at Penn State. Highly regarded for his skills as a mentor, Lindsay said his students are one of his main sources of inspiration for the development of new scientific ideas. In recognition of his outstanding support of students doing research, Lindsay, was honored in 1998 by the Penn State chapter of the scientific research society, Sigma Xi.

Among the many honors he has received for his research work, Lindsay is a co-winner of the 1997 Snedecor Award given by the Council of Presidents of Statistical Societies for the best paper in biometrics published during 1995 and 1996. In 1996, he earned a Guggenheim Fellowship and, in 1990, he was honored with a Humboldt Senior Scientist Research Award. He was named a Fellow of the IMS in 1987 and of the ASA in 1998.

Lindsay received a bachelor's degree in mathematics from the University of Oregon in 1969. At the beginning of his graduate education, Lindsay did graduate studies in mathematics at Yale University. He interrupted his graduate studies to serve in the US Coast Guard for four years during the Vietnam War. He subsequently earned a doctoral degree in biomathematics in 1978 at the University of Washington. During the next academic year, he was funded by an NSF-NATO postdoctoral fellowship to study at the Imperial College of London with his advisor, Sir David Cox.

Ars Conjectandi Lecture at JSM 2013

2013 marks the 300th anniversary of the publication of Jacob Bernoulli's book, *Ars Conjectandi*, in 1713. In recognition of this, IMS and the Bernoulli Society are jointly sponsoring the Ars Conjectandi lecture at next year's Joint Statistical Meetings in Montreal, Canada (August 3–8, 2013). The speaker will be IMS Fellow **David Spiegelhalter**, who is Winton Professor of the Public Understanding of Risk at the Statistical Laboratory, University of Cambridge, UK.




 = access published papers online

IMS Journals and Publications

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>

 <http://projecteuclid.org/aoas>

Annals of Probability: Krzysztof Burdzy

<http://imstat.org/aop>

 <http://projecteuclid.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>

 <http://projecteuclid.org/imsc>

IMS Monographs and IMS Textbooks: David Cox

<http://imstat.org/cup/>

IMS Co-sponsored Journals and Publications

Electronic Journal of Statistics: David Ruppert

<http://imstat.org/ejs>

 <http://projecteuclid.org/ejs>

Electronic Journal of Probability: Michel Ledoux

 <http://ejp.ejpecp.org>


Electronic Communications in Probability:

Anton Bovier

 <http://ecp.ejpecp.org>

Current Index to Statistics: George Styan

<http://www.statindex.org>

 log into members' area at imstat.org

Journal of Computational and Graphical Statistics:

Richard Levine

<http://www.amstat.org/publications/jcgs>

 log into members' area at imstat.org


Statistics Surveys: Lutz Dümbgen

<http://imstat.org/ss>

 <http://projecteuclid.org/ssu>

Probability Surveys: Laurent Saloff-Coste

<http://imstat.org/ps>

 <http://www.i-journals.org/ps/>

IMS-Supported Journals

Annales de l'Institut Henri Poincaré (B): Thierry

Bodineau & Lorenzo Zambotti <http://imstat.org/aihpc>


 <http://projecteuclid.org/aihpc>

Bayesian Analysis: Herbie Lee

 <http://ba.stat.cmu.edu>

Bernoulli: Richard Davis

<http://www.bernoulli-society.org/>


 <http://projecteuclid.org/bj>

Brazilian Journal of Probability and Statistics:

Silvia Ferrari <http://imstat.org/bjps>

 <http://projecteuclid.org/bjps>

Stochastic Systems: Peter W Glynn

 <http://www.i-journals.org/ssy/>


IMS-Affiliated Journals

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

 <http://alea.impa.br/english>

Probability and Mathematical Statistics: K. Bogdan,

M. Musiel, J. Rosiński, W. Szczotka, & W.A. Woyczyński

 <http://www.math.uni.wroc.pl/~pms>

Meetings and awards news

Nominations for IMU Awards in 2014

The President of the IMU, Ingrid Daubechies, has written to the Adhering Organizations, asking them to submit nominations for the IMU awards listed below.

Fields Medals [e fields14-chair@mathunion.org](mailto:fields14-chair@mathunion.org)

The Fields Medals are awarded every 4 years on the occasion of the International Congress of Mathematicians to recognize outstanding mathematical achievement for existing work and for the promise of future achievement.

Rolf Nevanlinna Prize [e nevanlinna14-chair@mathunion.org](mailto:nevanlinna14-chair@mathunion.org)

The Nevanlinna Prize is awarded once every 4 years at the International Congress of Mathematicians, for outstanding contributions in mathematical aspects of information sciences.

Carl Friedrich Gauss Prize [e gauss14-chair@mathunion.org](mailto:gauss14-chair@mathunion.org)

The Gauss Prize is awarded once every 4 years to honor a scientist whose mathematical research has had an impact outside mathematics: in technology, in business, or simply in people's everyday lives.

Chern Medal Award [e chern14-chair@mathunion.org](mailto:chern14-chair@mathunion.org)

The Chern Medal is awarded every 4 years on the occasion of the International Congress of Mathematicians to an individual whose accomplishments warrant the highest level of recognition for outstanding achievements in the field of mathematics.

Leelavati Prize [e leelavati14-chair@mathunion.org](mailto:leelavati14-chair@mathunion.org)

The Leelavati Prize, sponsored by Infosys is intended to accord high recognition and great appreciation of the IMU and Infosys of outstanding contributions for increasing public awareness of mathematics as an intellectual discipline and the crucial role it plays in diverse human endeavors.

ICM 2014 Emmy Noether Lecture

[e noether14-chair@mathunion.org](mailto:noether14-chair@mathunion.org)

The ICM Emmy Noether lecture is a special lecture at an ICM which honors women who have made fundamental and sustained contributions to the mathematical sciences.

More details about each of these awards and the Noether lecture, as well as lists of past laureates, can be found on the IMU Web site, at www.mathunion.org/general/prizes
Deadline for nominations: **December 31, 2012**

Melissa Begg, Vice Dean of Education at Columbia University, to Receive Inaugural Lagakos Distinguished Alumni Award

Dr. Melissa D. Begg will be the first recipient of the newly established Lagakos Distinguished Alumni Award. Dr. Begg will deliver a lecture and be presented with the inaugural award on Friday, September 28, 2012, preceding the kickoff of the 2012 HSPH Alumni Weekend.

This award honors the career of the late Professor Stephen Lagakos by recognizing Department alumni whose research in statistical theory and application, leadership in biomedical research, and commitment to teaching have had a major impact on the theory and practice of statistical science.

Dr. Begg graduated from the Department of Biostatistics at Harvard in 1989, and currently serves as Professor of Clinical Biostatistics and Vice Dean of Education at the Columbia University Mailman School of Public Health. Dr. Begg is also the Co-Director of the Irving Institute for Clinical and Translational Research. The award recognizes Dr. Begg's accomplishments in education, scientific collaboration, and statistical methodology as well as her leadership role in academic administration.

The lecture and award ceremony will take place on September 28, 2012 at 3:00pm in FXB G12 at HSPH, with a reception to follow. All are invited. Alumni are also encouraged to stay for the kickoff of the HSPH Alumni Weekend 2012: Women and Health, directly following the lecture.

To find out more, please visit www.hsph.harvard.edu/biostats/events/awards/alum/

Abel, Fields, and Turing Laureates meet the next generation

The International Mathematical Union announces that starting in September 2013 the **Heidelberg Laureate Forum** will bring together winners of the Abel Prize, the Fields Medal, and the Turing Award with young scientists from all over the world.

On the occasion of the 10th Abel Prize Ceremony the agreement on collaborating in the Heidelberg Laureate Forum between the Klaus Tschira Stiftung who establishes this Forum and the Norwegian Academy of Science and Letters, the International Mathematical Union, and the Association for Computing Machinery who grant the prestigious Abel Prize, Fields Medal, and Turing Award respectively, was signed in Oslo on May 22, 2012.

Read more about this event on the IMU website: <http://www.mathunion.org/general/news>

SPA 2014 Location Announced

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

OBITUARY: Kesar Singh

1955–2012

KESAR SINGH, a beloved colleague, friend, teacher and extraordinary researcher, left us forever, and far too soon, on Wednesday May 16, 2012.

Kesar had had a massive heart attack the night before and was admitted to Robert Wood Johnson Hospital, New Brunswick, New Jersey, where heart surgery was unable to save him. His wife Swati and some of his colleagues who were in the hospital got a chance to see him before he passed away peacefully.

Kesar was born on June 20, 1955 into a farming family just outside of Varanasi, India. He got his BSc degree in 1973 from Allahabad University and PhD in 1979 from the Indian Statistical Institute (ISI) in Kolkata, with Jogesh Babu as his advisor. Kesar was considered exceptionally brilliant by his teachers and fellow students at ISI. He was awarded a Ford Foundation Fellowship in 1979 to join the Stanford Statistics Department as a postdoc. It was around that time that Brad Efron from Stanford introduced the bootstrap method. Many leading statisticians were racing to

provide a theoretical justification for bootstrap. Kesar, as a fresh PhD, was the first to show that the bootstrap approximation is superior to that derived from the Central Limit Theorem for the distribution of the sample mean of *i.i.d* random variables from a non-lattice distribution. This landmark result and his subsequent seminal work in many statistics areas, including data depth and confidence distributions, made Kesar Singh a household name in bootstrap circles as well as in several other statistics communities. When Brad Efron heard of Kesar's passing, he commented, "Among other things, Kesar is a key bootstrap guy."

Kesar joined the Rutgers Statistics Department in 1980 and was promoted to Professor in 1988. He was a brilliant scholar and a beloved teacher. He published almost 100 papers and supervised ten PhD students. He was recognized as a leading statistician worldwide. He was a Fellow of the IMS, and an Elected Member of the International Statistical Institute.

Kesar was an extremely kind and gentle person. He was universally liked and



Kesar Singh with his dogs

appreciated by students, friends, colleagues, fellow statisticians, as well as neighbors. His students responded very positively to his warmth, kindness and sense of humor. It was always rewarding to work with Kesar. His knowledge of statistics was deep and extensive. His willingness to share his gifts was always present.

Kesar was devoted to his beloved wife Swati, whom he met when they were both students at ISI. He was an avid gardener and he was proud of the beautiful flowers and vegetables that he grew each year. He and Swati also lavished attention and affection on their dogs.

At his funeral service, many people testified to Kesar's kind, gentle and friendly nature. A neighbor who only knew of him as "Mr. Singh" and was unaware of his connection to Rutgers or his academic eminence, commented that he had always greeted her and her sons with warmth and kindness when they passed by his house and admired the beautiful enormous pumpkin that he grew each year.

The Department of Statistics at Rutgers and the statistics community have lost an outstanding scholar, teacher, and friend. He will be greatly missed for his enormous intellect, as well as his constant generosity, gentleness, and kindness.

Jogesh Babu, Penn State University

Regina Liu, Rutgers University

William Strawderman, Rutgers University

Minge Xie, Rutgers University

George Casella

IMS Fellow George Casella passed away on June 17, aged 61, after a nine-year battle with multiple myeloma. George was born in Bronx, NY, where he attended the Bronx High School of Science. He received his BA in Math from Fordham and his MS and PhD in Statistics from Purdue University. In a distinguished career as a teacher, mentor and researcher at Rutgers, Cornell and the University of Florida, George mentored 48 MS and PhD students, published over 200 articles in peer-reviewed journals, and co-authored nine textbooks. He served as editor of *Statistical Science*, *JASA*, and *JRSS(B)*. George was a Fellow of IMS, ASA, the Spanish Royal Academy of Sciences and the American Association for the Advancement for Science, and an elected member of ISI.

An obituary is being prepared and will appear in a future issue.

Rick's Ramblings: The Academic Software Razzies

Each year in Los Angeles, on the night before the Oscars ceremony, the Golden Raspberry Awards—"Razzies"—are awarded to the worst of what Hollywood has to offer that year. In 2011, Adam Sandler swept the awards for his movie *Jack and Jill*. In this column, I will award similar accolades for the software that we have to deal with every day. Late in the last century, I joked that having a computer gives you more time—to spend working on your computer. As our universities have embraced the paperless concept (i.e., giving us more of their work to do), we spend an increasing number of hours each week on menial chores, often dealing with software that is terrible to use. So I hereby offer my "top" six list.

6 Fastlane

When it first appeared, it was *Nightmare on Elm Street*. Using a word taken from Michelle Wie's tweet after she shot 12 over par to miss the cut in a recent tournament, Fastlane was s@t. Is this the way a Stanford graduate talks (and spells)? Deborah Lockhart at NSF had a more genteel way of saying it: "Fastlane isn't." That was then. Now, after years of improvements, Fastlane has become "the Devil you know." Yes, it can still crash on the day your proposal is due, or complain to you that the Project Description for your FRG proposal is more than 15 pages (20 are allowed), but on the whole it works well.

5 Blackboard/Sakai

I do like the fact that these programs allow you to make course materials easily available to students without violating copyright law, and they allow students to keep track of their grades. However, these programs are clunky to use, and it is annoying to have to start all over again when your university changes systems. The biggest headache for me is that if you want to export the grades to Excel to update them or compute final grades, then Excel complains about the weird format when it opens or saves the file.

4 Journal submission sites

No, I am not going to complain about EJMS, though it would be nice if our electronic journals didn't roll their own homegrown system. Filling in the author information page at the *Proceedings of the National Academy of Sciences* for my recent eight-author paper was a nightmare. The most mysterious aspect was assigning "roles" to the co-authors. Yes, you can create your own names for roles for co-authors, but if you do this then they must have one of the ones from the generic list. When you get this

wrong you don't get a comprehensible error message, but after a while you realize that some of the author's names are surrounded with a light red box.

I guess it serves me right for submitting a paper to the *Journal of Theoretical Biology* (an Elsevier journal) but their site is a very strict disciplinarian. You WILL submit names of three to five referees, and pick an associate editor to handle the paper, or you cannot submit the paper. In addition, they have this new requirement that you have to supply between three and five highlights that express the main points of your paper in at most 84 characters including spaces. Take a moment later and see what that would look like for your latest paper. For some reason they complained about my "tastes great, less filling, and low in cholesterol."

3 ApplyYourself/CollegeNet

To quote Wikipedia, "As the world's most widely used online application system, Hobson's ApplyYourself provides over 700 universities in the US and UK with a powerful solution that streamlines and optimizes the admissions process." *Optimizes* for the universities, but not for the poor slob who have to upload their information. Inside the site, the questions you see depend on the university who asked them to create it. However, in some cases you are asked to rate the candidate on up to 12 of their abilities. I guess it is the Match.com of graduate school applications.

CollegeNET remembers your login name and expects you to remember the password you created two years ago. When you log in, it shows a list of the current people and schools for whom you have written, or will soon write, but when you open the recommendation form, you have to input your address and contact information every time. The main trouble with all of these sites is that if I am writing a letter for an undergraduate who is applying to nine different schools, I have to go log in nine times. Most sites are not happy to just let you attach your letter and get on with your life. They want you to fill answers to a number of different questions in their little boxes. If you are also bugged by this, then note that while you can't leave a box blank, the program will be happy as a clam if you put in a single period.

While these generic sites may be annoying, they are better than some of the homegrown sites. Stanford asks how many undergraduates have you worked with in your career. It refuses to accept the answer, "More than Jerry Sandusky"... but you can keep typing 9's until you have filled up the space. Though it is out of place here to say something nice, I like the MIT site. It is simple, doesn't ask for a lot of chitchat and has categories like "Top 10%, top 25%,

top 50%” for you to rank the student. I admit I indulge in grade inflation as much as anyone else, but have you ever really thought about what it means to rate someone in the top 1% of all of your math majors who have gone to graduate school? I remember a time at UCLA when Tom Liggett and Charles Stone were looking at a letter from their adviser Sam Karlin who rated a PhD student applying for a postdoc in the top 5% of his 40 students, and they were debating who had been knocked out of the top two.

2 eRa Commons

The first sign of trouble is that it takes four to ten times to find a legitimate password. Once inside the system, it is difficult to navigate. Recently I had to upload a recommendation for a former student who is applying for a fellowship. The link in her email took me to the generic login page and from there I couldn't figure out where to go. After visiting the FAQ and following links I finally found the right place to upload my letter. My sons who grew up playing video games would undoubtedly have less trouble; it may remind them of tricks they needed in Quake to find the BFGun and extra med kits.

I recently had to submit the report for my NSF/NIGMS grant which was awarded by NIH. I was already a little stressed due to the fact that, being two weeks past the deadline, I got an email that said get your report in *now* or face a one year vacation from funding. It took me a while to find the eSNAP link for my proposal, and when I pushed it I got a cryptic error message accompanied by a five digit number. I explained the situation to the folks at the email “help” desk and they told me I was trying to upload a graphic that was more than 6MB.

The problem (I think) with my report is that Duke has been chosen as one of the universities to test the new Research Performance Progress Report (RPPR) system. The system helps by telling you that, based on your grant type, you don't have to report anything in this category. However, when you click on “Nothing to Report” for that section, it tells you that all of your work on the page will be lost, when it only means that the contents of the current section will be eliminated.

Like many other programs it will ask you *Are sure you want to leave this page?* even if you have just saved and not typed anything. Like Aesop's shepherd boy, after it cries wolf too many times, you stop listening.

And you lose your work.



And the Winner is...

1 Peoplesoft

Peoplesoft came to town when I was at Cornell. For the administrators there, it was a no-brainer: David Duffield, the company founder and 1962 graduate in EE, ponied up tens of millions of dollars to build the nanotechnology building that bears his name. One of the consequences of the switch was that we had to change our course numbering because the program expected four digit numbers and couldn't cope with leading zeros.

There are many horror stories I could tell about how this system works, but to keep this short, I will only give you two. At Duke, we use it for undergraduate advising. If one is sitting there with the student's record open and want to click on the link that makes them eligible to enroll, then the software says you are not allowed to do that at this time, which is a lie. In reality what you must do is to go back to the index screen and click on the button by their picture there. A similar but funnier bug applies to assigning grades. If you go into the page where you can access your course roster, and click on the icon for the grade list, then you are told that you do not have permission to access the grade roster. What they should be saying is that it is too soon to be uploading grades for this course.

Oh well, ours is only a small market where a few companies are making hundreds of millions of dollars unloading rubbish on unsuspecting universities. None of these programs has resulted in as much lost productivity as the worst computer virus in history, the Windows operating system. Mr. Gates, I appreciate the money you have spent trying to eradicate diseases around the world, but if you really want to end suffering...

What's your least favourite academic software? Award your own Razzies and join the conversation at bulletin.imstat.org

SAMSI announces 2013–14 Programs

The Statistical and Applied Mathematical Sciences Institute (SAMSI) announces the two programs for the 2013–14 year will be Computational Methods in Social Science, and Low-Dimensional Structure in High-Dimensional Systems. The announcement was made by Richard Smith, Director of SAMSI.

Computational Methods in Social Science

The social sciences have, as many areas of research, experienced a data explosion. Social scientists are examining statistical and computational methodology more these days for handling social science datasets. Many statisticians and applied mathematicians are also focusing on social sciences in applications of their work, including looking at social networks and causal inference. The program will focus on three major areas: 1) Social Networks; 2) Agent-Based Models and 3) New Methodology for Censuses and Surveys.

The program leaders for the Computational Methods in Social Science are: Robert Axtell (George Mason University), Elena Erosheva (University of Washington), Dooyne Farmer (Institute for New Economic Thinking, Oxford University, and Santa Fe Institute), Steve Fienberg (Carnegie Mellon University), Krista Gile (U Mass Amherst), Mark Handcock (UCLA), Tian Zheng (Columbia University). Richard Smith is the Directorate Liaison.

Low-Dimensional Structure in High-Dimensional Systems

The program on Low-Dimensional Structure in High-Dimensional Systems (LDHD) is devoted to the development of methodological, theoretical, and computational treatment of high-dimensional mathematical and statistical models.

Possibly limited amounts of available data pose added challenges in high dimensions. The program will address these challenges by focusing on low-dimensional structures that approximate or encapsulate given high-dimensional data. Cutting edge methods of dimension reduction will be brought together from probability and statistics, geometry, topology, and computer science. These techniques include variable selection, graphical modeling, classification, dimension reduction in matrix estimation, empirical processes, and manifold learning. Working groups during the program will include theoretical discussions of these tools as well as applications to image and signal analysis, graphs and networks, genetics and genomics, dynamical systems, and machine learning.

The program leaders for the LDHD program are: Florentina Bunea (Cornell), Peter Hoff (Washington), Chris Holmes (Oxford), Peter Kim (Guelph), Vladimir Koltchinskii (Georgia Tech), John Lafferty (U Chicago), Gilad Lerman (Minnesota), Sara van de Geer (ETH Zürich), Marten Wegkamp (Cornell) and Bin Yu (Berkeley). Ezra Miller is the Directorate Liaison.

There are several opportunities for IMS members to participate in either of these two programs. Financial support is available for visiting researchers to be resident at SAMSI for periods of one month to one year. Young researchers have special opportunities to participate that typically have a one year appointment. Several postdoctoral positions will also be funded for each SAMSI program. Workshops and working groups give many people the opportunity to collaborate with others on research projects and to network with their peers. Dedicated workshops will allow graduate and upper level undergraduate students to learn about the latest research and applications in the statistical and mathematical sciences. All involved researchers will get chances to broaden their interests and skill sets, participate in cutting edge interdisciplinary projects and make new connections. New researchers and members of underrepresented groups are especially encouraged to participate in SAMSI workshops and programs.

To find out more about either of these research programs, or to apply, go to the SAMSI website, www.samsi.info.

C. R. and Bhargavi Rao Prize for Outstanding Research in Statistics

The C. R. and Bhargavi Rao Prize was established to honor and recognize outstanding and influential innovations in the theory and practice of mathematical statistics, international leadership in directing statistical research, and pioneering contributions by a recognized leader in the field of statistics. The Rao Prize is awarded by the Department of Statistics at Penn State University to a nominee selected by the members of the Rao Prize Committee.

Nominations for the 2013 Rao Prize should be submitted by **December 3, 2012** to: *Chair, Rao Prize Selection Committee, 326 Thomas Building, Penn State University, University Park, PA 16802-2111*. The Rao Prize shall be awarded every two years (odd numbered years) to an individual working in the United States. The award recipient will receive a medal, cash prize and an invitation to visit Penn State and give a talk. Nominations should include a letter describing the nominee's outstanding contributions to leadership and research in statistics, a current curriculum vita, and two supporting letters. See <http://stat.psu.edu/news/2012-news/c-r.-and-bhargavi-rao-prize>

Recent papers

Brazilian Journal of Probability & Statistics

Access papers at <http://projecteuclid.org/bjps>

The *Brazilian Journal of Probability and Statistics* is an official publication of the Brazilian Statistical Association and is supported by the IMS. It is published four times a year, in February, May, August, and December. The journal publishes papers in applied probability, applied statistics, computational statistics, mathematical statistics, probability theory and stochastic processes.

Volume 26, number 4: November 2012

| | |
|---|--|
| Bayesian analysis based on the Jeffreys prior for the hyperbolic distribution | THAÍS C. O. FONSECA, HELIO S. MIGON AND MARCO A. R. FERREIRA; 327-343 |
| Latent residual analysis in binary regression with skewed link | RAFAEL B. A. FARIAS AND MARCIA D. BRANCO; 344-357 |
| Bayesian statistics with a smile: A resampling—sampling perspective | HEDIBERT F. LOPES, NICHOLAS G. POLSON AND CARLOS M. CARVALHO; 358-371 |
| Bayesian heavy-tailed models and conflict resolution: A review | ANTHONY O'HAGAN AND LUIS PERICCHI; 372-401 |
| Stochastic volatility in mean models with heavy-tailed distributions | CARLOS A. ABANTO-VALLE, HELIO S. MIGON AND VICTOR H. LACHOS; 402-422 |
| Predictive construction of priors in Bayesian nonparametrics | SANDRA FORTINI AND SONIA PETRONE; 423-449 |
| Test procedures based on combination of Bayesian evidences for H_0 | ROSANGELA H. LOSCHI, CRISTIANO C. SANTOS AND REINALDO B. ARELLANO-VALLE; 450-473 |

Bayesian Analysis

Access papers at <http://ba.stat.cmu.edu/latestissue.php>

Bayesian Analysis is an electronic journal of the International Society for Bayesian Analysis. It seeks to publish a wide range of articles that demonstrate or discuss Bayesian methods in some theoretical or applied context. The journal welcomes submissions involving presentation of new computational and statistical methods; reviews, criticism, and discussion of existing approaches; historical perspectives; description of important scientific or policy application areas; case studies; and methods for experimental design, data collection, data sharing, or data mining.

2012, Volume 7, number 2: 2012

| | |
|--|---|
| Spatial Quantile Multiple Regression Using the Asymmetric Laplace Process | KRISTIAN LUM AND ALAN GELFAND; 235-258 |
| Comment on Article by Lum and Gelfand | RAJARSHI GUHANIYOGI AND SUDIPTO BANERJEE; 259-262 |
| Comment on Article by Lum and Gelfand | NAN LIN AND CHAO CHANG; 263-270 |
| Comment on Article by Lum and Gelfand | MARCO A. R. FERREIRA; 271-272 |
| Rejoinder | KRISTIAN LUM AND ALAN GELFAND; 273-276 |
| On the Support of MacEachern's Dependent Dirichlet Processes and Extensions | ANDRES F. BARRIENTOS, ALEJANDRO JARA AND FERNANDO A. QUINTANA; 277-310 |
| Posterior Concentration Rates for Infinite Dimensional Exponential Families | VINCENT RIVOIRARD AND JUDITH ROUSSEAU; 311-334 |
| Mixture Modeling for Marked Poisson Processes | MATTHEW A. TADDY AND ATHANASIOS KOTTAS; 335-362 |
| Objective Bayesian Analysis of a Measurement Error Small Area Model | SERENA ARIMA, GAURI S. DATTA AND BRUNERO LISEO; 363-384 |
| Bayesian Model Selection for Beta Autoregressive Processes | ROBERTO CASARIN, LUCIANA DALLA VALLE AND FABRIZIO LEISEN; 385-410 |
| Log-Linear Pool to Combine Prior Distributions: A Suggestion for a Calibration-Based Approach | M. J. RUFO, J. MARTIN AND C. J. PEREZ; 411-438 |
| Beta Processes, Stick-Breaking, and Power Laws | TAMARA BRODERICK, MICHAEL I. JORDAN AND JIM PITMAN; 439-476 |
| Regularization in Regression: Comparing Bayesian and Frequentist Methods in a Poorly Informative Situation. | GILLES CELEUX, MOHAMMED EL ANBARI, JEAN-MICHEL MARIN AND CHRISTIAN P. ROBERT; 477-502 |

JSM 2013 Invited Session proposals sought



Bhramar Mukherjee is JSM Program Chair for the 2013 meeting in Montreal. She writes: The 2013

Joint Statistical Meetings will be held in Montreal, Canada. Standing in the province of Québec, Montreal offers a distinct English/French flavor and is very much a mixture of the old and the new. Known for its friendly atmosphere and ambiance, historical architecture and lavish churches, top restaurants, cafés and bistros, Montreal is a city with its own distinct character. With cruises along the scenic St. Lawrence River, a trip to the Biodome or Mount Royal Park, Montreal features many attractions and we expect a large turnout. The time has come to put together proposals for invited sessions. The JSM program committee needs your help!

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 world-wide.

The JSM program committee is now soliciting proposals for invited sessions. JSM invited sessions are always a highlight of the program, featuring cutting-edge work and attracting sizeable crowds. Most invited sessions originate from proposals put together by members of the sponsoring societies—that includes you! The sessions can be posters, panel discussions, or talks. An invited paper session consists of two to six people, including speakers and discussants. For an invited panel, the session consists of three to six people who provide commentary, discussion, and engaging debate on a particular topic. An invited poster session typically consists of 10 to 12 participants whose work addresses a common theme; these sessions give presenters an opportunity for extended one-on-one discussion of their work, and have been great community-builders.

The ideal invited session is about fresh, important work that many JSM attendees will find interesting. Many of the most stimulating sessions discuss divergent views

MontréalCanada
JSM2013

on a topic, with speakers coming from different institutions, and taking different approaches towards similar problems. To organize a session, you should first set a theme of broad interest, and choose the participants; once these are arranged, you should write a proposal consisting of the title, a brief abstract/rationale for the session as a whole, the list of participants, and tentative titles of talks. (With JSM a year off, it is expected that some titles may change.) When planning an invited session, please note that JSM continues to have strict rules for participation,—the official guidelines can be found at www.amstat.org/meetings/jsm/2013/guidelines.cfm. Talk to potential speakers to ensure they are not committing to more than one invited proposal.

With your proposal written, you need to contact a member of the 2013 JSM Program Committee, www.amstat.org/meetings/jsm/2013/program.cfm, to see if they are willing to sponsor the session. They may accept the session outright for one of their allocated slots, or they may enter it into a competition, where selection is decided by a vote of the entire program committee.



The program committee includes the program chairs for the ASA sections and representatives of the partner societies: International Biometric Society (ENAR and WNAR), Institute of Mathematical Statistics, Statistical Society of Canada, International Chinese Statistical Association, International Indian Statistical Association, Korean Statistical Society and International Society for Bayesian Analysis. There are also ASA committees and outside organizations that may sponsor invited sessions. A complete list can be found at www.amstat.org/committees/committeelist.cfm. If you have ideas that don't fit these sponsors, you may approach the general methodology chairs or send your proposals to me at bhramar@umich.edu. Although I have little discretion to accept a session, I can discuss your proposal with program committee members and try to locate a place for it in the JSM program. If you don't find success with your proposal, you can convert it to a topic-contributed session or try again in the future, as there are always more fine sessions proposed than can fit into the program.

I am especially looking for ideas for introductory overview lectures on topics of interest to a large number of JSM attendees. If you have an idea for such a session, want to organize such a session, or have suggestions for speakers, please send them to me. The invited session proposals



Photo: Cédric Thévenet

Architectural masterpiece and symbol of Expo 67, the Biosphere is a unique and spectacular structure, located at Parc Jean-Drapeau in Montréal. See <http://www.ec.gc.ca/biosphere/>

can be submitted online, www.amstat.org/jsm/2013/invitedprogram.cfm from **July 19 to September 6**.

A particular highlight of recent JSMs has been the high quality and visibility of the poster sessions, where presenters have an opportunity for more extended one-on-one discussion of their work. Poster sessions come in two flavors—contributed and invited. Ideas for invited poster sessions should be sent to Joyee Ghosh [e joyee-ghosh@uiowa.edu](mailto:joyee-ghosh@uiowa.edu). Again for 2013, invited poster presenters will have the option to

present electronic posters on monitors rather than the traditional poster board method. This new format of presenting posters has been quite popular in its pilot promotion trials at various ASA conferences this year and we look forward to increased participation in JSM 2013.

I appreciate participation and effort from the world-wide statistical community to put together a diverse and engaging invited session program for JSM 2013. Thank you in advance!



Homeward Bound? Cramér–Rao Bound!

For a little light relief, Peter Kootsookos wrote this version in honor of C. R. Rao. It's adapted from the Simon and Garfunkel song "Homeward Bound"

Cramér–Rao Bound

*I'm sittin' at the Sun workstation
Got a signal for elimination, mm-hm
If I can we'll all clap hands
Rick 'n' Grant will do handstands
And every noise is neatly canned
'Cos it's been sent out-of-bound*

*Cramér–Rao bound, I wish I knew
Cramér–Rao bound
Bound, where my brain is achin', Bound, where my stats are failin'
Bound, where my signal's waitin' noiselessly for me*

*This signal's an endless stream
Of Poisson noise and grindin' teeth, mm-hm
And each spike looks the same to me
Can it be noise or is it speech?
And every time I think I see
It turns out that it is spike-free!*

*Cramér–Rao bound, I wish I knew
Cramér–Rao bound
Bound, where my brain is achin', Bound, where my stats are failin'
Bound, where my signal's waitin' noiselessly for me*

*Tonight I'll run my scripts again
I'll play the tape until it ends, mm-hm
But all my runs come back to me
With dubious veracity
Like E.Bob with senility
I need someone to remind me*

*Cramér–Rao bound, I wish I knew
Cramér–Rao bound
Bound, where my brain is achin', Bound, where my stats are failin'
Bound, where my signal's waitin' noiselessly for me
Noiselessly for me*



Homeward bound?



(With abject apologies to Paul Simon and Art Garfunkel)

Terence's Stuff: Multiple Linear Regression, 1

With this column, Terry Speed would love to spark a revival of Yule's new system of notation. Well, it was new 105 years ago...



It's time to respond to: *I'm curious about what you tell PhD students about multiple linear regression.* I tend to focus first on regression coefficients: what they are and are not, why we might care, and how we compute them. Almost fifty years ago, I was lucky enough to be introduced to Yule's *new system of notation*—new in 1907, that is. (Thank you, Dr Geoffrey Jowett.) Given a collection X_1, X_2, \dots, X_p of random variables, the expression $b_{12 \cdot 3 \dots p}$ denotes the (linear least-squares) regression coefficient of X_1 on X_2 , when X_3, \dots, X_p are also in the regression equation. As Yule put it in his paper, *the first subscript gives the dependent variable, the second the variable of which the given regression is the coefficient, and the subscripts after the period show the remaining independent variables which enter into the equation.* This avoids having to emphasize that the regression coefficient of X_1 on X_2 depends on the other variables in the equation: it's right there in the notation!

Mosteller and Tukey say it another way in chapter 13, “Woes of regression coefficients,” of their magnificent 1977 book: “a coefficient in a multiple regression—either in a theory or in a fit—depends on MORE than just: the set of data and the method of fitting [and] the carrier it multiplies. It also depends on: what else is offered as part of the fit.”

Having got this point clear, we now need to address the vexed question of how we interpret $b_{12 \cdot 3}$, that is, the words we use when we say informally what it means. As we all know, some people call it the regression coefficient of X_1 on X_2 , *controlling*

for X_3 . But we also know that in general X 's in regressions are *not* under any control, so this cannot be a good description. My preference is to say *adjusting for X_3* . This is vague, but less likely to mislead, and definitely conveys the fact that X_3 is in the model along with X_2 . It is also connected to the use of regression for linear adjustment. But what exactly is a regression coefficient? Again we all know the simplistic interpretation of $b_{12 \cdot 3}$ as the average change in X_1 per unit change in X_2 , when X_3 is *held fixed*. Why simplistic? At times “held fixed” makes no sense, an example being $X_3 = X_2^2$. What *can* we say? A lengthy but basically correct interpretation goes like this: $b_{12 \cdot 3}$ *tells us how X_1 responds, on average, to change in X_2 , after allowing for simultaneous linear change in X_3 in the data at hand.* Mosteller and Tukey point out that sometimes X 's *can* be held constant, and then the important thing is to recognize just how large the difference can be between i) X_2 changing while X_3 is not otherwise disturbed or clamped, and ii) changing X_2 while holding X_3 fast. The first corresponds to the interpretation I gave, and the second is what people usually wish for.

Complicated? Indeed, but as Oscar Wilde told us, “The truth is rarely pure and never simple.”

Yule also introduced this notation: $X_{1 \cdot 23 \dots p} = X_1 - b_{12 \cdot 3 \dots p} X_2 - \dots - b_{1p \cdot 1 \dots p-1} X_p$. This can be very helpful when we want to show that multiple linear regression may be viewed as a sequence of simple linear regressions, of residuals on residuals. It is closely related to *added variable plots*. I think it's important for students to know this, and how to derive it using the fact that (least-squares) residuals are orthogonal to all the variables after the period.

For example, one can easily derive the identity $b_{12 \cdot 3} = b_{12} - b_{13 \cdot 2} b_{32}$, which I have found extremely useful over the

years. Here's one thing you can see from this identity: the regression coefficient of X_1 on X_2 doesn't change when X_3 is added into the regression equation, if either $b_{32} = 0$, i.e., if X_2 and X_3 are orthogonal, or $b_{13 \cdot 2} = 0$. Another is the relation between adjusted and unadjusted means in ANCOVA. These identities are not hard to understand if you learn them when you are doing all your multiple regression computations with a mechanical calculator. Jowett showed us that if we use Jordan's procedure for matrix inversion, “every intermediate quantity occurring in the calculation is either a partial regression coefficient or a partial covariance and therefore of potential interest.” Try this step-by-step in R.

In a sense, our problems in interpreting regression coefficients are consequences of their simplicity when (X_1, X_2, \dots, X_p) are jointly normally distributed. In that case, everything works out so beautifully that we are seduced into thinking it applies more generally. But it doesn't.

Next time: *why* and *how*!

George Udny Yule



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 world-wide.

MontréalCanada
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IMS sponsored meeting

2014 IMS Annual Meeting

**July 7–11, 2014
Sydney, Australia**

w TBC

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

At a glance:

*forthcoming
IMS Annual
Meeting and
JSM dates*

2012

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

2013

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

2014

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

JSM: Boston, MA, August 2–7, 2014

2015

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

2016

IMS Annual Meeting: TBD

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

Joint Statistical Meetings, 2012–2017

IMS sponsored meeting

2012 Joint Statistical Meetings

July 28 – August 2, 2012

San Diego, CA

w <http://amstat.org/meetings/jsm/2012/>

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

May 1: Registration (early-bird) and housing opens

Featuring, among other highlights, three Medallion lectures (Yoav Benjamini, Emanuel Candes and Donald Geman) and a special session on the ‘Best of the *Annals of Applied Statistics*’.

Program: <http://amstat.org/meetings/jsm/2012/onlineprogram/>



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 sponsored meeting

IMS Annual Meeting @ JSM 2013

August 3–8, 2013: Montréal, Canada

w <http://amstat.org/meetings/jsm/2013/>

(See above, and Bhramar Mukherjee's call for invited session proposals on page 10). 2013 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.

IMS co-sponsored meeting

ISBA Regional Meeting and International Workshop/Conference on Bayesian Theory and Applications (IWCBTBTA)**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 (IWCBTBTA) 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 IWCBTBTA. The main contributed and invited presentations will begin from January 8, 2013, with poster presentations each evening.

IMS co-sponsored meeting

37th Conference on Stochastic Processes and Applications**NEW****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**NEW****December 20–23, 2013****Hong Kong, China****w** <http://icsa.org/meetings/co-sponsorship/index.html>

IMS Representative on Program Committee: 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.

ENAR, 2013–2015

IMS sponsored meeting

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

Hawks Landing Golf Club at the Orlando World Center Marriott Resort, venue for the ENAR/IMS Spring Meeting in 2013

D Squared Productions, Inc. Murphy/Scully

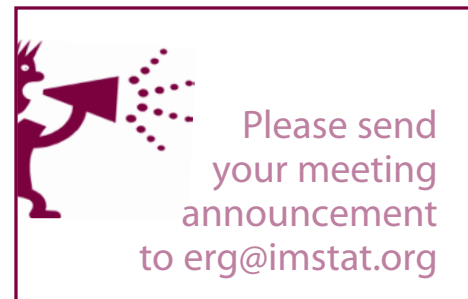
IMS sponsored meeting

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

IMS sponsored meeting

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

IMS sponsored meeting

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

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)
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)
Stephen Walker (Kent)

IMS co-sponsored meeting

Third Workshop for Women in Probability



October 14–16, 2012

Duke University, NC, USA

w www.math.duke.edu/~rtd/wwp12/WWP2012.html

The Third Workshop for Women in Probability will be held October 14–16, 2012, at Duke University (Sunday morning to mid-day Tuesday). The scientific program organized by Tai Melcher (Virginia) and Amber Puha (California State U, San Marcos) will feature talks by Janet Best (Ohio State); Alexandra Chronopoulou (UCSB); Cindy Greenwood (Arizona State); Alice Guionnet (ENS Lyon); Kay Kirkpatrick (UIUC); Nevena Marić (Missouri); Dana Randall (Georgia Tech); Amandine Veber (CMAP); Amy Ward (USC); and Jessica Zúñiga (San Francisco).

Women probabilists, especially young researchers and advanced graduate students, are encouraged to attend the workshop and participate in the poster session. An NSF grant will provide support for 25–30 young women. You do not have to be a US citizen. Preference will be given to individuals who can obtain matching funds from their advisor, and will receive \$500 for local expenses. However, we will also accept application for \$750 travel grant individuals who do not have access to matching funds. **Apply before September 1** on the conference web page above. This meeting is co-sponsored by the IMS. Funding for speakers is provided by the Cornell RTG in probability. If you have questions please contact the local organizers, Rick Durrett and Jonathan Mattingly.

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**; and an IMS **Medallion Lecture** from Bálint Virág (University of Toronto). There will also be a Lévy Lecture by Gerard 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).

Other meetings around the world

IAOS 2012: Official Statistics: getting your messages across

September 12–14, 2012

Kiev, Ukraine

[w http://iaos2012.ukrstat.gov.ua/](http://iaos2012.ukrstat.gov.ua/)

At its biannual conference the International Association for Official Statistics is focusing on ways of ensuring that statistics reach a wide audience, maximising their use and demonstrating their value. The conference is open to all with an interest in official statistics and has five themes:

1. Statistical story telling: examples from the financial markets; demystifying the numbers; beyond data visualisation
2. Enhancing information access: using statistical frameworks; data without boundaries; public sector information
3. New information media: wikis; mashups; the third sector
4. Marketing and customer focus: examples from Japan, Mexico, and Abu Dhabi
5. Statistical literacy: variety of experiences from across the world.

We will have debates on the open data movement; the competitive playing field for official statistics; using statistics for decision making; the role of social media, and the impact on trust. This is an invaluable opportunity to hear about the latest approaches for dissemination and for networking.

The 29th European Meeting of Statisticians

July 20–25, 2013, Budapest, Hungary

[w www.ems2013.eu](http://www.ems2013.eu)

The Bernoulli Society, the community of Hungarian statisticians and probabilists and the organisers cordially invite their colleagues from all over the world to participate in the broadest and most prestigious regular meeting of the profession in Europe. You are kindly invited to propose contributions to the programme by submitting your abstract to the secretariat of the organising committee via the abstract submission page of the conference. Abstracts can be submitted through the conference website in LaTeX format between 1 September 2012 and 15 March 2013.

Preliminary programme

Opening lecture: Sara van de Geer. Forum lecturer: Geoffrey Grimmett. Closing lecturer: Ya. G. Sinai. *Ars Conjectandi* lecture celebrating the 300th anniversary of its publication: Glenn Shafer (plus one more lecturer to be announced). Thomas Bayes commemorative lecture for the 250th anniversary of presentation of his essays: Christian P. Robert. Commemorative session for the 300th Anniversary of the St. Petersburg paradox. Commemorative session for Sándor Csörgő. Panel discussion on the future of statistics.

Special invited speakers: Robert Adler, Laszlo Lovasz, Terry Lyons, Terry Speed plus two more. Invited sessions listed on the website.

Organised contributed paper sessions: to promote the presentation of new ideas and innovative topics in the conference, proposals are welcomed for Organised Contributed Paper Sessions (Streams), with a designated organiser, consisting of 4 papers/stream (of 20 minutes each). If you wish to organise a stream, please, send your proposals to ems2013@congress.hu by **28 February 2013**. On acceptance, the Contributed Paper Session organiser will be in charge for the session and will chair it. The speakers of the group will need to upload their abstracts complying with the general rules but clearly indicating the title of their Organised Contributed Paper Session when submitting.

For further details about the conference, please visit the website or contact the organisers.

Workshop on Geometry and Statistics in Bioimaging:

Manifolds and Stratified Spaces

October 8–12, 2012, Sandbjerg Estate, Sønderborg, Denmark

[w http://csgeb.dk/activities/2012/geostat/](http://csgeb.dk/activities/2012/geostat/)

This workshop is dedicated to geometric and statistical modeling in biomedical image analysis. The workshop is a result of our desire to bring together researchers from biomedical image analysis, who have an interest in the underlying mathematical constructions, along with mathematicians who have an interest in the underlying practical problems.

Invited speakers: Alfred Bruckstein, Technion–Israel Institute of Technology; James Damon, University of North Carolina, Chapel Hill; Herbert Edelsbrunner, Duke University and Institute of Science and Technology Austria; Stephan Huckemann, Universität Göttingen; Sarang Joshi, University of Uta; Steve Marron, University of North Carolina; Peter W. Michor, Universität Wien; Ezra Miller, Duke University; David Mumford, Brown University; Megan Owen, University of Waterloo; Xavier Pennec, INRIA Sophia Antipolis; Steven W. Zucker, Yale University.

4th Nordic-Baltic Biometric Conference (NBBC13)

June 10–12, 2013, Stockholm, Sweden

[w http://nbbc13.org/](http://nbbc13.org/)

The conference offers excellent opportunities for learning about recent advances in biometry, exchanging research experience and getting to know colleagues from your neighboring countries.

Other meetings around the world

Short Course on Systems Genetics

October 28 – November 4, 2012

The Jackson Laboratory, Bar Harbor, Maine, USA

w <http://courses.jax.org/2012/systems-genetics.html>

This one-week course covers computational and experimental approaches to genetic studies that utilize whole-genome approaches. Lectures and computer workshops are designed to accommodate students with a wide variety of backgrounds. Biologists seeking to gain a deeper understanding of statistical and computational methods as well as quantitative scientists desiring exposure to biological problems are welcome. Topics to be covered include genetic mapping, gene expression microarray analysis and computational modeling of complex systems.

For more information visit the Center for Genome Dynamics: <http://cgd.jax.org/education/shortcourse.shtml>

68th Annual Deming Conference on Applied Statistics

December 2–7, 2012

Atlantic City, New Jersey, USA

w www.demingconference.com

The conference's purpose is to provide a learning experience on recent developments in statistical methodologies. The three-day conference is followed by two parallel two-day short courses. The conference is composed of twelve three-hour tutorials on current applied statistical topics of interest. Recognized experts in the field of applied statistics are invited to give the lectures and short courses based on their recently published books. The conference makes these books available for sale at an approximately 40% discount. Attendees will receive bound proceedings of the presentations. The full program is on the website. The conference will be held in the state-of-the-art Havana Tower of the Tropicana Casino Resort. Walter Young has chaired this conference for 43 consecutive years.

12th Islamic Countries Conference on Statistical Sciences (ICCS-12)

December 19–22, 2012

Doha, Qatar

w www.iccs12.isoss.net

The 12th Biennial Islamic Countries Conference on Statistical Sciences (ICCS-12) will be held in Doha, the capital of Qatar, from 19–22 December 2012. The conference is jointly organized by Qatar University and the Islamic Countries Society of Statistical Sciences (ISOSS). The Chair of the Local Organizing Committee is Professor Dr. Ayman Suleiman Mahmoud Baklizi, Professor of Statistics, Coordinator of the Statistics Program, Department of Mathematics, Statistics and Physics, Qatar University, Doha, Qatar and can be contacted on a.baklizi@qu.edu.qa by email or on +974-55478553. The theme of the conference is *Statistics for Everyone and Everywhere*. If you wish to organize an invited session (with 4–5 speakers) on an area of your expertise, or contribute a paper, please contact the Scientific Program Committee at iccs12@isoss.net. We welcome papers in all areas of statistics.

Employment Opportunities around the world

India: Bangalore

The Indian Institute of Management Bangalore (IIMB), a leading graduate school of management in Asia, has over a hundred full time faculty, more than 1200 students across various programmes and a significant executive education activity. IIMB seeks candidates with a strong commitment to high quality research and teaching in Applied Statistics with interest in working on problems from business and industry. We invite applications for faculty positions at all levels. Candidates at the Assistant Professor level must demonstrate capability for carrying high quality research and should have completed or be in the final stages of completing their PhD. Associate Professors should have a track record of research and teaching. Professors are additionally expected to provide academic leadership at the Institute. Candidates would be expected to contribute to the Institute's Post Graduate (MBA), Doctoral and Executive Programmes.

Interested candidates may send their CV, list of references and samples of recent research output to dean@iimb.ernet.in (Dean Academic, IIMB, Bangalore). Information on the institute is available at www.iimb.ernet.in.

Employment Opportunities around the world

[Continued from previous page]

Canada: St John's, NL

Memorial University of Newfoundland Department of Mathematics and Statistics

Tenure-Track Position in Statistics

The Department of Mathematics and Statistics at Memorial University of Newfoundland has undergone significant faculty renewal in the past few years and the process continues. We now invite applications for a tenure-track appointment in Statistics at the rank of Assistant Professor. This position is subject to budgetary approval.

Applicants must have an earned doctorate. While an excellent record of publications in statistics is preferred, evident potential for research and the ability to attract external funding will suffice. In addition, candidates should have some teaching experience and the skills required to become an excellent teacher.

Duties for the position include graduate teaching and supervision, undergraduate teaching, and the development of a vigorous research programme.

Applications in all areas of statistics will be considered. The closing date for applications is September 30, 2012.

Candidates should submit a Curriculum Vitae, a description of research interests, and the names and addresses (including email addresses) of at least three referees. Applications should be sent to:

Head of Department
VPA-MAST- 2012-001
Department of Mathematics & Statistics
Memorial University of Newfoundland
St. John's, NL, A1C 5S7 Canada
E-mail: mathstat@mun.ca
Internet: www.mun.ca/math

You MUST use the code **VPA-MAST-2012-001** on all correspondence.

Memorial University is the largest university in Atlantic Canada. As the province's only university, Memorial plays an integral role in the educational and cultural life of Newfoundland and Labrador. Offering diverse undergraduate and graduate programmes to almost 18,000 students, Memorial provides a distinctive and stimulating environment for learning in St. John's, a very safe, friendly city with great historic charm, a vibrant cultural life, and easy access to a wide range of outdoor activities.

Memorial University is committed to employment equity and encourages applications from qualified women and men, visible minorities, aboriginal people and persons with disabilities. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority. Partners of candidates for positions are invited to include their resume for possible matching with other job opportunities.



Singapore

Nanyang Technological University Positions in Statistics, Mathematical Finance, and Actuarial Science



**NANYANG
TECHNOLOGICAL
UNIVERSITY**

The Division of Mathematical Sciences (<http://www.spms.ntu.edu.sg/mas>) of the Nanyang Technological University (NTU), Singapore, is looking to add to its tenure-track faculty at all ranks. We encourage strong candidates in the areas of **Probability & Statistics**, especially with applications in **Business Analytics, Financial Mathematics, or Actuarial Science** to apply.

NTU is a research university, with low teaching loads, excellent facilities, ample research funding and support for conference travel. The Division of Mathematical Sciences consists of active and talented faculty members working in a variety of areas. Its student body includes some of the best in the region. It offers undergraduate programs in mathematical sciences and mathematics & economics, and a graduate program awarding Masters and PhD degrees. Salary and benefits are competitive with the top universities around the world.

We seek people with excellent achievements in both research and teaching. Interested candidates are requested to send the following material to MASrecruit@ntu.edu.sg:

- Application Letter
- Curriculum Vitae
- Research Statement
- Teaching Statement
- Names of at least three referees

Belgium: Leuven**University of Leuven**

Academic position in Statistics

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10384258**United Kingdom: Bristol****University of Bristol, UK**

Brunel Fellows

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10228602**United Kingdom: London****University College London**

Lecturer in Statistics

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10384469**United States: Birmingham, AL****University of Alabama at Birmingham**

Assistant Professor

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10427299**United States: Davis, CA****University of California, Davis, Department of Statistics**

Postdoctoral Fellowship

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10384442**United States: Worcester, MA****Worcester Polytechnic Institute**

Department Head, Mathematical Sciences

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10442711**United States: Ithaca, NY****Cornell University**

Tenured Faculty-Operations Research & Information Engineering

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10292578**United States: Seattle, WA****Fred Hutchinson Cancer Research Center**

Post-Doc Research Fellow in Biostatistics (ML 24515)

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10428134**United States: Madison, WI****Spectrum Brands**

Quality Director/Statistical Methodologies (2012488)

http://jobs.imstat.org/c/job.cfm?site_id=1847&jb=10432915**USA: New York, NY****Tenured Faculty
Operations Research & Information Engineering - Cornell University***Cornell is a community of scholars, known for intellectual rigor and engaged in deep and broad research, teaching tomorrow's thought leaders to think otherwise, care for others, and create and disseminate knowledge with a public purpose.*

Multiple tenured faculty positions in Operations Research and Information Engineering are available at Cornell's new CornellNYC Tech campus in New York City. Faculty hired in these positions will be tenured professors in the School of Operations Research and Information Engineering, which will span the Ithaca and New York City campuses.

Subject areas of interest include optimization, applied probability and statistics. Application areas of interest include information technology modeling, logistics, and health care operations. Applicants must hold a Ph.D. and have demonstrated ability to conduct outstanding research and education at the level of tenured faculty in the School of Operations Research and Information Engineering. Applicants must also have a strong interest in the technology commercialization and entrepreneurship mission of the campus. In addition, interest in international programs and/or pre-college (K-12) education is advantageous.

To ensure full consideration, applications should be received by September 1, 2012, but we will begin reviewing and interviewing candidates before this date and continue until the positions are filled. Applicants should submit a curriculum vitae, brief statements of research and teaching interests, and the names and contact information of at least three references on-line at <https://academicjobsonline.org/ajo/jobs/1516>.

Cornell University is an inclusive, dynamic, and innovative Ivy League university and New York's land-grant institution, with its main campus in Ithaca, NY, its medical campus on the Upper East Side of Manhattan, and its new CornellNYC campus planned for Roosevelt Island in New York City. The University's staff, faculty, and students impart an uncommon sense of larger purpose and contribute creative ideas and best practices to further the university's mission of teaching, research, and outreach. These faculty positions are based in New York City at the CornellNYC Tech campus which will be located in temporary facilities until moving to its permanent home on Roosevelt Island.

Find us online at <http://hr.cornell.edu/jobs>
or [Facebook.com/CornellCareers](https://www.facebook.com/CornellCareers)



*Diversity and inclusion have been and continue to be a part of our heritage.
Cornell University is a recognized EEO/AA employer and educator.*

International Calendar of Statistical Events

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

August 2012

August 5–8: Ann Arbor, Michigan, USA. IEEE Statistical Signal Processing Workshop **w** www.ssp2012.org

August 5–10: Vermont, USA. International Conference on Robust Statistics 2012 (ICORS2012) **w** <http://www.rci.rutgers.edu/~dtyler/ICORS2012/>

August 6–10: Seattle, WA, USA. Ten Lectures on Statistical Climatology. **w** <http://www.statmos.washington.edu/wp/?p=42>

August 6–11: Recife, Brazil. 16th Brazilian School of Probability **w** <http://www.de.ufpe.br/~xviebp/>

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

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

September 2012

September 3–7: Pavia, Italy. Summer school: Stochastic Modelling for Systems Biology **w** www.mi.imati.cnr.it/conferences/abs12.html

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

September 9–22: Ulm University, Germany. International Summer School on Advanced Stochastic Methods to Model Risk **w** <http://www.uni-ulm.de/mawi/summer-academy-2012/>

September 10–11: EIEF, Rome, Italy. Workshop on New Developments in Econometrics and Time Series **w** <http://www.statistik.tu-dortmund.de/1740.html>

September 10–12: Bristol, UK. High dimensional and dependent functional data **w** <http://sustain.bris.ac.uk/ws-fda/>

September 10–12: Leuven, Belgium. Workshop on Modern Nonparametric Methods for Time Series, Reliability & Optimization **w** <http://homes.esat.kuleuven.be/~sistawww/mnm>

September 10–14: Bedlewo, Poland. 6th International Conference on Stochastic Analysis and its Applications **w** <http://bcc.impan.pl/6ICSA/>

September 12–13: Daejeon, South Korea. 4th International Workshop on Internet Survey Methods **w** kostat.go.kr/iwis

NEW **September 12–14:** Kiev, Ukraine. IAOS 2012 *Official Statistics: getting your messages across* **w** <http://iaos2012.ukrstat.gov.ua/>

September 23–26: Ribno (Bled), Slovenia. Applied Statistics 2012 **w** <http://conferences.nib.si/AS2012>

October 2012

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

 **October 14–16:** Duke University, NC, USA. Third Workshop for Women in Probability **w** www.math.duke.edu/~rtd/www12/WWP2012.html

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

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

December 2012

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

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>

NEW **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

January 2013

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

International Calendar *continued*


March 2013

 March 10–13: Orlando, Florida. 2013 ENAR/IMS Spring Meeting. [w http://www.enar.org/meetings.cfm](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](http://www.nss.gov.au/blog/natstats.nsf)

June 2013

June 6–9: Toruń, Poland. German-Polish Joint Conference on Probability Theory and Mathematical Statistics [w http://www.gpps.umk.pl/](http://www.gpps.umk.pl/)

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

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

July 2013

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

July 20–25: Budapest, Hungary. 29th European Meeting of Statisticians (EMS2013) [w http://www.ems2013.eu](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/](http://math.colorado.edu/spa2013/)

August 2013

 August 3–8: Montréal, Canada. IMS Annual Meeting at JSM2013. [w http://amstat.org/meetings/jsm/](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/](http://www.im.ufrj.br/ebp17/) (under construction)

August 24–31: Hong Kong. International Statistical Institute: 59th ISI World Statistics Congress [w www.isi2013.hk](http://www.isi2013.hk)

October 2013

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

December 2013

  December 20–23: Hong Kong, China. 2013 ICSA International Conference [w http://icsa.org/meetings/co-sponsorship/index.html](http://icsa.org/meetings/co-sponsorship/index.html)

March 2014

 March 16–19: Baltimore, Maryland. 2014 ENAR/IMS Spring Meeting. [w http://www.enar.org/meetings.cfm](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 TBA](#)

August 2014

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

August 2015

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


March 2016

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

July 2016

 July 30 – August 4: Chicago, USA. JSM 2016 [w http://amstat.org/meetings/jsm/](http://amstat.org/meetings/jsm/)

July 2017

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

July 2018

  July 28 – August 2: Vancouver, Canada. JSM 2018 [w http://amstat.org/meetings/jsm/](http://amstat.org/meetings/jsm/)

See the full list at imstat.org/meetings

Membership and Subscription Information

Journals

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

Individual and Organizational Memberships

Each individual member receives the *IMS Bulletin* (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.

Individual and General Subscriptions

Subscriptions are available on a calendar-year basis. **Individual subscriptions** are for the personal use of the subscriber and must be in the name of, paid directly by, and mailed to an individual. Individual subscriptions for 2012 are available to *The Annals of Applied Probability* (\$177), *The Annals of Applied Statistics* (\$177), *The Annals of Probability* (\$177), *The Annals of Statistics* (\$177), *Statistical Science* (\$153), and *IMS Bulletin* (\$118). **General subscriptions** are for libraries, institutions, and any multiple-readership use. General subscriptions for 2012 are available to *The Annals of Applied Probability* (\$390), *The Annals of Applied Statistics* (\$390), *The Annals of Probability* (\$390), *The Annals of Statistics* (\$425), *Statistical Science* (\$225), and *IMS Bulletin* (\$97). Airmail rates for delivery outside North America are \$118 per title.

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.

The *IMS Bulletin* (ISSN 1544-1881) is published eight times per year in January/February, March, April/May, June/July, August, September, October/November and December, by the Institute of Mathematical Statistics, 3163 Somerset Dr, Cleveland, Ohio 44122, USA. Periodicals postage paid at Cleveland, Ohio, and at additional mailing offices. Postmaster: Send address changes to Institute of Mathematical Statistics, 9650 Rockville Pike, Suite L3503A, Bethesda, MD 20814-3998.

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Information for Advertisers

General information: The *IMS Bulletin* and webpages are the official news organs of the Institute of Mathematical Statistics. The *IMS Bulletin*, established in 1972, is published 8 times per year. Print circulation is around 2,000 paper copies, and it is also free online in PDF format at <http://bulletin.imstat.org>, posted online about two weeks before mailout (average downloads over 8,000). Subscription to the *IMS Bulletin* costs \$90. To subscribe, call 877-557-4674 (US toll-free) or +1 216 295 2340 (international), or email staff@imstat.org. The IMS website, <http://imstat.org>, established in 1996, receives over 30,000 visits per month. Public access is free.

Advertising job vacancies

A single 60-day online job posting costs just **\$250.00**. We will also include the basic information about your job ad (position title, location, company name, job function and a link to the full ad) in the *IMS Bulletin* at no extra charge. See <http://jobs.imstat.org>

Advertising meetings, workshops and conferences

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

Rates and requirements for display advertising

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

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| Issue | Deadline | Online by | Mailed |
|---------------------|---------------------|-------------|--------------|
| 1: January/February | December 1 | December 15 | January 1 |
| 2: March | February 1 | February 15 | March 1 |
| 3: April/May | March 15 | April 1 | April 15 |
| 4: June/July | May 1 | May 15 | June 1 |
| 5: August | July 1 | July 15 | August 1 |
| 6: September | August 15 | September 1 | September 15 |
| 7: Oct/Nov | September 15 | October 1 | October 15 |
| 8: December | November 1 | November 15 | December 1 |

the
next
issue is
**September
2012**

Read it online at
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bulletin.imstat.org

DEADLINES
for
submissions
**August 15, then
September 15**

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Volume 41 · Issue 5



THE ANNALS of PROBABILITY

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