IMS Bulletin

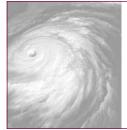


October 2005

CONTENTS

- 1 Katrina: IMS response
- 2-3 Members' News
 - 4 IMS President's message
 - 5 New Fellows
 - 6 Tweedie Award
- 7-8 COPSS Awards
 - 9 IMS Special Invited Lectures 2006
- 10 IMS Annual Meeting Report
- 12 New Member Reception
- 13 Obituary: Benjamin Epstein
- 14 **Obituary:** Leo Breiman
- 15 Letter
- 16 Terence's Stuff: Publish and/or perish
- 17 Prizes: Loeve, Mitchell
- 18 Cox Race
- 20 WNAR/IMS report
- 22 IMS Meetings
- 24 Other Meetings and **Announcements**
- 28 Employment **Opportunities**
- 44 International Calendar of **Statistical Events**
- 47 Information for **Advertisers**

Katrina: IMS message of support



As we go to press, the horrifying human cost of Hurricane Katrina is emerging. IMS President Thomas G Kurtz has written this letter to the 64 IMS members who are — or were — in the Gulf states most affected. If you or your institution need help, or can offer help, please get in touch.

Dear Colleagues,

We are contacting all IMS members in the states affected by Hurricane Katrina. Our goal is to try to reach all of our members at institutions that have been severely, perhaps tragically, disrupted by the storm and floods. Those of you at institutions fortunate enough to have escaped the worst affects of the hurricane may still be in a better position to contact colleagues you know at the affected institutions than we are through regular e-mail.

I want to express the sympathy of the IMS Executive Committee and, I am sure, all of the members of IMS, for the tragedy. Despite continuous television coverage, those of us far from the scene can barely conceive of the scale of the destruction.

There are, of course, many organizations better equipped than ours to assist with the basic necessities of life. It occurs to us, however, that as those affected move to the next stages of recovery and begin to reestablish their professional lives, there may well be ways in which members of IMS and their institutions can help. Providing access to computers with needed software, hosting web pages for departments or research groups, providing office space for faculty who will be unable to work at their own institutions for an extended period, welcoming students as guests in our graduate programs, are some of the possibilities that have occurred to us: please let us know how we can help. We all are ready to work to see that you receive the assistance you need.

The ASA is, of course, also concerned and has begun to collect information which may be of interest and use to you: see http://www.amstat.org/katrinarelief/

Once our IMS members affected by the hurricane are in a permanent position again, the IMS will be happy to provide back issues of our journals to replace what you lost. Please let us know if you or someone you know needs this service.

We would like to hear from you whether you need our assistance or not. Please email our Executive Director, Elyse Gustafson erg@imstat.org with your status and information on those we may be able to assist. We hope for a rapid recovery and a bright future for you and your institutions.

Sincerely,

Tom Kurtz

For the IMS Executive Committee

Volume 34, Issue 8 October 2005 ISSN 1544-1881

Contact Information

Bulletin Editor Bernard Silverman
Assistant Editor Tati Howell

To contact the IMS Bulletin:

IMS Bulletin 20 Shadwell Uley, Dursley GL11 5BW UK

e bulletin@imstat.org

To contact the IMS regarding your dues, membership, subscriptions, orders or change of address:

Institute of Mathematical Statistics Dues and Subscriptions Office 9650 Rockville Pike, Suite L2407A Bethesda, MD 20814-3998

USA

t 301.634.7029

f 301.634.7099

e staff@imstat.org

To contact the IMS regarding any other matter, including advertising, copyright permission, offprint orders, copyright transfer, societal matters, meetings, fellows nominations and content of publications:

Executive Director, Elyse Gustafson IMS Business Office PO Box 22718 Beachwood, OH 44122 USA

t 216.295.2340

f 216.295.5661

e erg@imstat.org

2 · IMS Bulletin Volume 34 · Issue 8

IMS Members' News

Stephen Stigler receives Humboldt Research Award for lifetime achievements

The Alexander von Humboldt Foundation in Bonn, Germany, has announced that Professor Stephen M Stigler, University of Chicago Department of Statistics, has been elected the recipient of a Humboldt Research Award. He was nominated for the award by the German scientists Prof Dr Gerd Gigerenzer and Prof Dr Wolfgang Härdle.

The Humboldt Research Award is conferred in recognition of lifetime achievements in research. In addition, the awardee is invited to carry out research projects of his/her own choice in cooperation with specialist colleagues in Germany, with the intention of promoting international scientific cooperation. The Alexander von Humboldt Foundation grants up to 100 Humboldt Research Awards annually to scientists and scholars from abroad with internationally recognized academic qualifications. The award can amount to a maximum of 75,000 Euros (\$93k).

Further information on the Humboldt Foundation website: http://www.humboldtfoundation.de/en/programme/preise/index.htm



Bin Yu appointed Peking University Professor

Bin Yu has been named a Chang Jiang Chair Professor in Statistics at Peking University, Beijing. She is also the founding co-director of the new Microsoft Lab on Statistics and Information Technology at Peking University. She will remain based at Berkeley, and will spend summers in Beijing.

Stay tuned for more on the new lab!

IMS affiliates with ALEA: Latin American Journal of Probability and Mathematical Statistics

ALEA, an electronic journal of the Latin American probability and statistical community is now affiliated with the IMS.



ALEA publishes research articles in probability theory, stochastic processes, mathematical statistics, and their applications. It also

publishes review articles of subjects which have developed considerably in recent years. All articles submitted go through a rigorous peer-refereeing process and are published immediately after acceptance.

ALEA is an electronic journal which provides open access to all of its content and uses only free programs. It is supported by IMPA and Instituto do Milênio, both in Rio de Janeiro, Brazil, the venue for next year's IMS Annual Meeting.

Contact the editor, Claudio Landim, at alea@impa.br

More details on the submission process and the editorial board are at http://alea.impa.br/english/index.htm



October 2005 IMS Bulletin 3

Raymond Carroll receives MERIT Award for cancer research

Distinguished Professor Raymond J Carroll, Texas A&M University, is a recipient of



the National Cancer Institute's Method to Extend Research in Time (MERIT) Award. The principal feature of the program is the opportunity for MERIT awardees to gain up to ten years of grant support. The award will fund the continuation of Carroll's work on measurement error, nutrition and breast/colon cancer. More information at the National Cancer Institute's website: http://www.cancer.gov/researchandfunding/MERIT/Carroll. Raymond says, "I go overboard preparing my NCI grant proposal, both in time spent

and in worry. Not to have to write a grant proposal for (I hope) ten years is incredibly liberating."

Professor Mir Masoom Ali, George & Frances Ball Distinguished Professor of Statistics

at Ball State University in Muncie, Indiana has been recognized by the Bangladeshi-American Foundation Inc, as the most distinguished Bangladeshi-American statistician. He was awarded the "Our Pride Award" by the Foundation in Washington DC. The award was given in recognition of Professor Ali's distinguished career and his significant contributions in the field of statistics. Present at the awarding ceremony were, officials of the US State Department and the Bangladesh Embassy.



Professor Tze Leung Lai receives Abraham Wald Prize in Sequential Analysis 2005

The Abraham Wald Prize in Sequential Analysis was established in 2004, to be awarded annually for the best publication in the journal *Sequential Analysis* (SQA). This has been possible with contributions from the Wald family, Taylor & Francis (publisher of SQA), Associate Editors of SQA and other generous individuals. The prestigious prize includes a plaque, a certificate, an honorarium, and a year's electronic subscription for SQA (http://www.tandf.co.uk/journals/titles/07474946.asp).

An international selection committee selected IMS Fellow Professor Tze Leung Lai of Stanford University as the winner of the first Abraham Wald Prize in Sequential Analysis

for the best paper published in SQA in 2004: "Likelihood Ratio Identities and Their Applications to Sequential Analysis" (with discussions), that appeared in SQA (2004), vol 23, pp 499–552.

Professor Lai's research areas include sequential experimentation, adaptive inference and control, stochastic optimization, time series analysis and forecasting, regression analysis of censored and truncated failure time data, design and analysis of clinical trials,

probability theory, and stochastic dynamical systems. His methodological research in these areas has been motivated by and is closely related to his applied interests in engineering systems, financial economics, and medicine. Professor Lai is also currently involved in research projects in the Division of Medical Informatics, the Cancer Hyperthermia Laboratory, and the Center for AIDS Research at Stanford. Professor Lai is a Fellow of ASA as well as IMS.

After the award ceremony at JSM on August 9, Professor Sam Efromovich (University of New Mexico) presented SQA editor's special invited paper, Sequential Nonparametric Curve Estimation and Wald's Ideas: Theory and Applications. This presentation emphasized applied sequential methodologies including those in finance and engineering.

Nitis Mukhopadhyay, University of Connecticut, Storrs

Executive Committee

President: Thomas G Kurtz

president@imstat.org

President-Elect: Jim Pitman

president-elect@imstat.org

Past President: Louis Chen

imsdir@nus.edu.sq

Executive Secretary: Cindy Christiansen

cindy@stat.harvard.edu

Treasurer: Jiayang Sun

jiayang@sun.stat.cwru.edu

Program Secretary: Andrew Nobel

nobel@email.unc.edu

IMS Editors

Annals of Statistics: Morris Eaton

eaton@stat.umn.edu & Jianqing Fan jqfan@princeton.edu

Annals of Probability: Steven Lalley

annals@galton.uchicago.edu

Annals of Applied Probability: Robert Adler

radler@ie.technion.ac.il

Statistical Science: Ed George

edgeorge@wharton.upenn.edu

IMS Lecture Notes – Monograph Series: Richard Vitale

rvitale@uconnvm.uconn.edu

Managing Editor, Statistics: Paul Shaman

shaman@wharton.upenn.edu

Managing Editor, Probability: Michael Phelan phelan@chapman.edu

.

Electronic Journal of Probability: Ted Cox

ejp@math.washington.edu

Electronic Communications in Probability: Martin Barlow

ecp@math.washington.edu

Managing Editor, EJP/ECP: Zhenqing Chen

ejpecp@math.washington.edu

Probability Surveys: David Aldous

prsurvey@stat.berkeley.edu

ALEA: Claudio Landim

alea@impa.br

IMS Bulletin: Bernard Silverman

& Tati Howell

bulletin@imstat.org

Web Editor: Hemant Ishwaran

ishwaran@bio.ri.ccf.org

& Arti Ishwaran

imswebmaster@imstat.org

Production Editor: Patrick Kelly

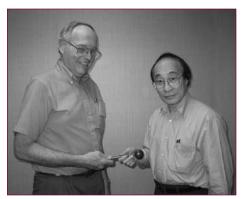
pkelly@wharton.upenn.edu

From the IMS President: Thomas G Kurtz

Thomas G Kurtz is the IMS President for 2005–06. He tells us what he loves about IMS—and what you can do about it...

As I begin my fifteen minutes of fame (actually, it's a year, but for the moment, I will settle for fifteen minutes), the Institute of Mathematical Statistics is a strong and vibrant organization. We publish the leading journals in statistics and probability, and do so at a fraction of the cost of other journals, even many published by other professional societies. We have an exciting and growing program of conferences. We have an outward looking leadership that collaborates with and supports the work of other organizations. We are leaders in the movement for open access to scientific publication in ways that are really open, both for readers and for authors.

In fact, things are going so well it has occurred to me that my first concern should be to "do no harm". If my predecessors have shared this concern, we are fortunate that they have not adopted the conservatism that this might suggest. The IMS has continued to innovate and respond in creative ways to the changing scientific and professional environment, taking risks where the future is unpredictable. This adventurous spirit has produced the organization we have today, which I hope you will continue to support.



Tom Kurtz, left, received the President's gavel from Louis Chen, right, at the IMS Annual Meeting in Minneapolis

I want to mention a few of the ways the IMS continues to change that impress me most.

The IMS has deliberately broadened its perspective from a primarily North American organization to one that seeks to engage the global community of statisticians and probabilists. This change has come, not in competition with other organizations but by increasing collaboration as reflected in the joint membership arrangement and joint meetings with the Bernoulli Society, the joint meeting last summer with the Chinese Society of Probability and Statistics, our affiliation with ALEA, the new Latin American Journal of Probability and Statistics [see page 2], and a global list of co-sponsored meetings.

As the professional interests of our membership change, we are concerned that the programs of the IMS reflect the full range of these interests. A committee chaired by Jianqing Fan is exploring the creation of a new journal focusing on statistical applications and the methodology on which these applications depend. The new journal would complement the existing *Annals of Statistics* which remains the leading theoretical journal.

IMS supported web content is exploding. Under the leadership of web editor Hemant Ishwaran, our website http://www.imstat.org has developed rapidly, adding web pages for all IMS journals, job postings, and a wealth of information about the current organization and history of IMS. All accepted articles in IMS journals are now posted on arXiv. With the Bernoulli Society, we now support the *Electronic Journal of Probability* and *Electronic Communications in Probability*, and the new *Probability Surveys*. Web services are a primary interest



Thomas G Kurtz, University of Wisconsin-Madison, is IMS President for 2005–06

of President-elect Jim Pitman, and we can anticipate many interesting developments. Keep your browser loaded.

The continued success of the IMS depends on the continued strong support of a growing membership, and a number of initiatives have been taken to encourage membership growth. Most notably, the IMS offers free membership to students, and the interest in and response to this offer have been impressive. We welcome the enthusiasm and energy of these new members, but (hint, hint) there is life after graduate school, and we look forward to the personal and financial support of these new member in the future. To everyone else, check to make certain your friends and colleagues are members. The dues are small, but the impact of a growing, involved membership is great.

October 2005 IMS Bulletin • 5

New IMS Fellows 2005: Congratulations to you all!

Probal Chaudhuri, Indian Statistical Institute: For his contributions to nonparametric quantile estimation, multivariate location estimation, the scale-space approach to nonparametric smoothing, and

classification.

Jiahua Chen, University of Waterloo: For outstanding contributions to research in the areas of mixture models, experimental design, sample surveys, and empirical likelihood; for exceptional contributions to mentorship and education of graduate students; and for notable service to the statistical profession in Canada and beyond.

Michael I Jordan, University of California, Berkeley: For contributions to graphical models and machine learning.

Mei-Ling Ting Lee, Harvard University: For significant theoretical contributions to distribution theory; development of innovative statistical models and methodology for survival data analysis; valuable contributions to biostatistics and the analysis of medical data in areas of application ranging from microbiology to occupational health; pathbreaking work on statistical models and methods for microarray data analysis; vision and leadership in founding the journal Lifetime Data Analysis and monumental work as its Editor-in-Chief; and for professional service to mathematical statistics.

Kerrie Lee Mengersen, QUT, Australia: For excellence in research and consulting in environmental and genetic statistics and for

new statistical vocations in Australia.

Thomas Mikosch, University of Copenhagen: For outstanding research in probability and statistics, and for outstanding

service to the professional community. **Deborah Nolan,** University of California,
Berkeley: For distinguished contributions

to the study and practice of the teaching of statistics, integrating theory and practice in a seamless way, and for basic research in nonparametric statistics.

David Oakes, University of Rochester: For extensive and fundamental contributions to the theory, exposition, and creative application of survival analysis and dependence modeling; and for dedicated editorial, educational and organizational services to the profession.

Byeong Uk Park, Seoul National

University: For seminal work in bandwidth selection for kernel smoothing, which led to a large, fruitful and well-cited body of work in that area. For his leadership research in semiparametrics, smoothing, additive and single index models, stochastic frontier estimation, and asymptotic analysis in general. For a leading role in Korean statistics, included valued editorial work. For strong mentoring of, and inspiration of, a generation of Korean statisticians.

Peter C B Phillips, Yale University: For extensive and influential contributions to time series analysis, especially unit root series; for considerably developing finite sample theory, and higher order asymptotic theory; for founding and editing for 20 years a journal

Econometric Theory, on the interface between econometrics and statistics.

Jay S Rosen, College of Staten Island, City University of New York: For a detailed and difficult study of the sample path properties of Brownian motion, random walks, stable processes and Markov processes in general.

Jeffrey Rosenthal, University of Toronto: For outstanding contributions to the theory and practice of Markov chain Monte Carlo algorithms, to the study of geometric ergodicity and coupling algorithms; for original contributions to substantive applied problems.

Dongchu Sun, University of Missouri-Columbia: For pioneering research in Bayesian methodology, especially the development of objective priors; for contributions to Bayesian applications including spatial modeling, disease mapping, multivariate time series analysis and wildlife models; and for leadership in the objective Bayesian community.

Jiayang Sun, Case Western Reserve University: For important contributions to projection pursuit, confidence bands, biased sampling, and bump-hunting; for innovative interdisciplinary contributions; and for valuable service to the profession.

Yazhen Wang, University of Connecticut: For fundamental contributions to the relationship of GARCH model and diffusion, and wavelet methodology for change-point, nonparametric regression with long-memory data, and analyzing stochastic processes, and for substantial and original contributions to order restricted inference.



These new IMS Fellows were presented with plaques in Minneapolis at the IMS Presidential Address ceremony. The full list of IMS Fellows is at http://www.imstat.org/awards/honored_fellows.htm

Tweedie New Researcher Award: nominate or apply now!



Richard Lewis 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, IMS has created the Tweedie New Researcher Award, to fund travel to present the *Tweedie New Researcher Invited Lecture* at the IMS New Researchers' Conference, which will be held next year at the University of Washington, just before the Joint Statistical Meetings in Seattle.

Eligibility: A new researcher is within five years of the completion of their doctoral degree. Nominees should be members of the IMS at time of nomination.

Amount: Up to US \$2000 per award, to be reimbursed against receipts.

Nomination Process: Send the following via email to erg@imstat. org (include the subject line TWEEDIE NOMINATION: <last name of nominee>). Items can be sent as PDF, PS or plain text attachments:

- Nomination form (download in Word or PDF format from http://www.imstat.org/awards/tweedie.html)
- Extended abstract
- CV
- Two letters of recommendation

If electronic submission is not possible, please send six collated copies to:

Tweedie Award Nomination Institute of Mathematical Statistics 3163 Somerset Dr Shaker Heights OH 44122

Deadline: All nominations must be received by December 1, 2005.



This year's Tweedie New Researcher Invited Lecture was given by Tilmann Gneiting, pictured here with Louis Chen and Tom Kurtzat the award presentation in Minneapolis

More IMS Member News

Tau Beta Pi, the engineering honor society, has named Dr H Vincent Poor, of Princeton University, as the 2005 Distinguished Alumnus, for "his outstanding achievements in teach-





ing and his advancement of professional engineering". Vincent is the George Van Ness Lothrop professor in engineering at Princeton and is the founding director of the school's Center for Innovation in Engineering Education. He has excelled at teaching engineering and the technical, social, economic, and political aspects of technology, particularly wireless communications. Vincent's graduate-level textbook An Introduction to Signal Detection and Estimation is considered the definitive reference in this field. He is recognized worldwide for his landmark research in the fields of robust statistical signal processing, multi-user detection, and non-Gaussian signal processing, which have opened new horizons in wireless communications and related fields. Vincent was recently elected a Fellow of the American Academy of Arts & Sciences, and received the 2005 IEEE James H Mulligan Education Medal.

Shayle Searle, Professor Emeritus of Biological Statistics at Cornell University, was awarded an Honorary Doctor of Science degree in May by his *alma mater*, Victoria University of Wellington, New Zealand. Three other honorary degrees were awarded.

Professor Jagdish Chand Ahuja of Portland State University has had his biography featured in the "Genius Elite" section of *Leading Intellectuals of the World*, (2004, third edition), a publication of the American Biographical Institute, Inc. Dr Ahuja is noted for his work in the field of statistical distribution theory.

October · 2005 IMS Bulletin · 7

COPSS Awards at JSM: van der Laan 'scoops' 2 awards

Karen Bandeen-Roche writes: The Committee of Presidents of Statistical Societies (COPSS) annually present Awards to honor statisticians. Three COPSS Awards were presented at the 2005 Joint Statistical Meetings in Minneapolis, Minnesota.

The 2005 George W Snedecor Award was presented to Nicholas P Jewell and Mark J van der Laan, University of California, Berkeley School of Public Health. The award honors individuals who have been instrumental in the development of statistical theory in biometry and specifically recognizes a noteworthy publication in biometry within three years of the date of the award. The award citation recognized Drs Jewell and van der Laan for their paper "Case-control Current Status Data," *Biometrika*, 91, 529-541, 2004. It identified the paper as "one among many" contributions from its authors and acknowledged the overall impact of research by Jewell and van der Laan on the field of biostatistics.

The 2005 Florence Nightingale David Award was presented to Alice S Whittemore, Stanford University School of Medicine. The award is sponsored jointly by COPSS and the Caucus for Women in Statistics. It honors a female statistician who serves as a role model to other women by her contributions to the profession through excellence in research, leadership of multidisciplinary collaborative groups, statistics education, or service to the professional societies, and hence exemplifies the illustrious contributions of its namesake. The award citation recognized Dr Whittemore for "her achievements in the theory and methodology of biostatistics applied to epidemiology, environmental pollution, occupational exposure, cancer genetics and public health; for her active role in the statistical profession; for her constant involvement in major public health issues; and for the role model for women she has engendered by the above."

Dr Whittemore is Professor of Epidemiology and Biostatistics at Stanford's Department of Health Research and Policy. Ralph B D'Agostino, Chair of the 2005 Florence Nightingale Award Committee, noted that Dr Whittemore epitomizes the ideal for the award in that she has achieved major stature in a broad number of areas and has continuously fostered and encouraged the advancement of women in statistics and public health.





Linda Young, COPSS Chair, presenting plaques to Nicholas Jewell and Alice Whittemore

The **2005 Presidents' Award** was presented to Mark J van der Laan, University of California, Berkeley School of Public Health.



The Award is made annually to a statistician under the age of 41 in recognition of outstanding contributions to the statistics profession. The award citation recognized Dr van der Laan for "deep and sweeping contributions to...areas in theoretical and applied statistics including multivariate survival analysis, local efficient estimation in semiparametric models, causal inference, dynamic treatment regimes, multiple testing, model selection, cross-validation and loss-based estimation, and computational biology." It also cited Dr van der Laan's achievements in bringing powerful statistical tools to bear on applications in epidemiology, genomics, and the medical sciences, as well as his exemplary professional service and extensive mentoring of graduate and postdoctoral students. The award's public presentation was made by Anastasios Tsiatis, Chair of the 2005 Presidents' Award Committee.

Dr van der Laan is Professor of Statistics and Jiann-Ping Hsu/ Karl E Peace Professor of Biostatistics at Berkeley, where he has been on the faculty since 1994. He serves as Associate Editor of five journals and is Founding Editor of the on-line journal *International Journal of Biostatistics*. Dr van der Laan was the recipient of the American Public Health Association's 2004 Mortimer Spiegelman Award; the 2005 Myrto Lefkopoulou Lecturer; recipient of the 2005 van Dantzig Award; and he has been awarded the University of California, Berkeley Chancellor Endowed Chair for 2005-2008.

The COPSS awards consist of a certificate, plaque, and cash honorarium. COPSS comprises the Presidents, Past-Presidents, and Presidents-Elect of IMS, ASA, ENAR, WNAR and SSC. More on COPSS at http://www.niss.org/copss/

COPSS 2005 R A Fisher Lecture

Karen Bandeen-Roche writes: The 2005 R A Fisher Lecture was delivered by R Dennis Cook, PhD, Professor, School of Statistics, University of Minnesota. The Fisher Lectureship, designated annually by the Committee of Presidents of Statistical Societies (COPSS), is awarded to a leading present-day statistician who has contributed significantly to scientific investigation through the development and promotion of statistical methods. The award, presented to Professor Cook by 2005 Lectureship Chairperson Wayne Woodward, cited the recipient for "fundamental contributions to statistical analysis through his revolutionary research in the field of regression analysis that has led to numerous methodological contributions and innovations including influence statistics and regression graphics."

Professor Cook's lecture, "Dimension Reduction in Regression", presented a general conceptual framework and specific methodologies for the "sufficient reduction" of covariates with respect to an outcome in whose regression they are to be arguments. His remarks made strong linkages to the ideas of R A Fisher, both by outlining Fisher's writings on dimension reduction and by connecting the notion of sufficiency of covariate reduction for regression to that of sufficiency of statistics for parameters. His remarks both addressed the Lectureship's stated goal of emphasizing aspects of statistics that are closely related to scientific interpretation of data, and recalled those specific aspects in which Fisher made outstanding contributions. Altogether, it suggested that the philosophy behind standard regression methodology may merit revisiting.

Professor Cook began his lecture with his summary of Fisher's contributions to dimension reduction. In a 1922 paper in the *Philosophical Transactions of the Royal Society of London, Series A*, Fisher identified "the reduction of data" as "the objective of statistical methods." Over his career, Fisher made theoretical contributions, as related to this general objective, in model specification and



parameterization, the concept of sufficiency, and the development of estimators. However, Cook noted, while Fisher ultimately addressed applications requiring dimension reduction in regression and opined that covariate reduction must be accomplished independently of outcome data, he seems not to have made use of his theoretical contributions to evaluate or recommend general methodologies for such applications.

Professor Cook next reviewed the use of principal components for dimension reduction in regression. Here, one replaces a full array of covariates, X, with a subset of their principal components (PCs). Historically, Cook noted, the aim has been to mitigate the impact of collinearity, facilitate graphical display, or achieve parsimony in prediction or analysis. He identified two persistent ideas as to how the subset should be chosen. The first would select sequentially, replacing X with the first d PCs. Cook shared that Mosteller and Tukey, in preferring this approach, rebuffed doubts that the first PCs should better relate to one's outcome than the latter PCs by believing, with Einstein, that nature might be "tricky, but not downright mean." He characterized the second idea as "trust[ing] nature less" than this: It would replace X with a data based, possibly non-sequential set of PCs. In either case, Cook noted, the goal hearkens back to ideas of Fisher: that "the selected PCs should contain nearly the same information about Y [the outcome] as X itself." Cook devoted the remainder of his lecture to outlining and comparing methodologies that would achieve this goal.

Professor Cook termed the goal on which he focused "sufficient reduction" of X with respect to Y—more formally: a transformation, R, such that the conditional distributions of [Y|X] and of [Y|R(X)] equate. His exposition conveyed the key insight that inverse regression of X on Y serves equally to identify a sufficient reduction of X as does forward regression of Y on X. It focused primarily on linear reductions: Then, Cook reported, in certain cases with normally distributed X, a sequential set of the first covariate PCs appropriately estimates a sufficient reduction—one consistent with Fisher's belief that covariate reduction must be accomplished independently of outcome information. Cook also proposed an outcome-"supervised" reduction method, Principal Fitted Components (PFCs), which estimates sufficient reduction for X from explicit regression of X on functions of Y. In a series of simulations, he demonstrated that both PCs and PFCs may more accurately estimate the sufficient reduction, and afford lower mean square error for prediction of Y, than ordinary least squares forward regression as well as more modern alternative reduction strategies. Cook concluded his lecture by foreseeing future developments, including methodology for non-normal X, model-free approaches to sufficient reduction, and possible value for addressing sample size less than covariate dimension ("n<p") applications. In sum, gains afforded by principal components and principal fitted components are sometimes substantial, so their generalization may advance strategies for data display, model specification, variable selection, hypothesis testing, and prediction in regression.

October · 2005 IMS Bulletin · 9

2006 IMS Special Invited Lecturers

At the IMS Presidential Address and awards ceremony in Minneapolis, Frank Samaniego, chair of the IMS Committee on Special Invited Lectures, announced the 2006 IMS Medallion Lectures. The IMS Wald Lectures will be given by Peter Hall, Australian National University, and the Le Cam Lecture by Stephen Stigler, University of Chicago.

The 2006 Medallion Lecturers are: Larry Brown, University of Pennsylvania; Rick Durrett, Cornell University; Paul Glasserman, Columbia University; Greg Lawler, Cornell University; Michel Ledoux, Université Paul Sabatier, Toulouse III, France; Thomas Mountford, École Polytechnique Fédérale de Lausanne; and Michael Woodroofe, University of Michigan.

The IMS Wald, Neyman and Medallion Lecturers who gave their lectures at the Joint Statistical Meetings are pictured below.



Frank Samaniego announced the 2006 lectures

IMS Lecturers at JSM 2005



Raghu Varadhan Wald Lecturer



David Brillinger Neyman Lecturer



Andrew Barron Medallion Lecturer



Oleg Lepski Medallion Lecturer



Art Owen Medallion Lecturer



Adrian Raftery Medallion Lecturer

2006 COPSS Awards: Call for Nominations

The Committee of Presidents of Statistical Societies (COPSS) Awards are jointly sponsored by IMS, ASA, ENAR, WNAR and SSC. The RA Fisher Lectureship, the Elizabeth L Scott Award, and the Presidents' Award will be presented at JSM 2006 in Seattle. Detailed information and submission requirements for all of the awards can be found at the COPSS web site: http://www.niss.org/copss.

Elizabeth L Scott Award

Nomination deadline January 15, 2006
The Elizabeth L Scott Award recognizes a statistician who has fostered opportunities in statistics for women. Elizabeth Scott was a statistician and astronomer who made exceptional theoretical and applied statistics contributions to research. She was president of IMS and the Bernoulli Society and received numerous honors and awards.

The award recognizes excellence in developing programs to encourage women to seek careers in statistics; successfully mentoring women students or new researchers; working to identify gender-based inequities in employment; and serving as a role model to

Committee Chair: Marcia Gumpertz, North Carolina State University gumpertz@ ncsu.edu

Presidents' Award

Nomination deadline January 15, 2006
The Presidents' Award is presented annually to a young member of one of the participating societies of COPSS. The award is presented in recognition of outstanding contributions to the statistics profession. It is typically [see website for special case exception] granted to an individual who has not yet reached his or her 41st birthday

during the calendar year of the award.

Committee Chair: Jessica Utts, University of California, Irvine (sabbatical address) utts@wald.ucdavis.edu

Fisher Lectureship

Nomination deadline November 15, 2005 The Fisher Lectureship and Award was established in 1963 by COPSS to honor the outstanding contributions of the late Sir Ronald Aylmer Fisher, and those of a current statistician, on aspects of statistics and probability that closely relate to the scientific collection and interpretation of data. The award exists to recognize the importance of statistical methods for scientific investigations. The Fisher Lecture is delivered at the JSM in the year of the award.

Committee chair: Naisyin Wang, Texas A&M University nwang@stat.tamu.edu

I IMS Annual Meeting report

The 2004-05 Council met at this year's Annual Meeting in Minneapolis, on August 7. The Executive, Editors and Committee chairs presented their reports to Council, which are briefly summarized below. The full text of the various reports is available to download from the IMS website at http:// imstat.org/officials/reports.html

Executive Reports:

IMS President (now Past-President) Louis Chen praised the hard work, commitment and professionalism of all the people who work for the benefit of IMS. He summarized the key initiatives of the past year:

- new IMS Non-discrimination policy, which has been adopted smoothly;
- formation of three new committees: Travel Awards (chaired by Xuming He), Investments (chair: David Scott) and IMS-Bernoulli Applications Management Committee (chair: Rene Carmona);
- IMS Lecture Program founded last year: the next lecturer in the series will be

be visiting Malaysia

C R Rao, who will

December 2005;

- IMS Childcare Initiative launched (see http://www.imstat.org/meetings/ childcare.htm for application details);
- the Central Editorial System is running and evolving, and set to save IMS around \$50k;
- IMS-Bernoulli joint membership, and the joint sponsorship of Probability Surveys, Electronic Communications in Probability and Electronic Journal of Probability.

Treasurer Jiayang Sun reported that IMS membership continues to rise (at a time when other societies' memberships are falling). Institutional journal subscriptions are decreasing, as libraries are consolidating print collections and making use of electronic access. Print subscriptions are also falling for members, as more move to electronic access, though this saves IMS money since journals are subsidized for members.

Program Secretary Andrew Nobel summarized the IMS sponsored and cosponsored meetings in 2005, and added that there are no mini-meetings scheduled for 2005. (Anyone interested in organizing a mini-meeting should read the information at http://www.imstat.org/program/



Editors' Reports

The Editor of the Annals of Applied Probability, Robert Adler, reported a reduced backlog of 5-8 months. Council discussed whether to increase the number of issues per year to accommodate an increase in submissions, but opted to wait and see if a move from 4 to 6 issues per year might be prudent in a year's time. Robert will be retiring as editor in December; a replacement has not yet been appointed.

The Annals of Probability editor, Steve Lalley, also reported a reduced backlog. AoP is now published 6 times per year. Steve noted that there have been no Medallion Lectures submitted for publication in the past three years: Medallion Lecturers are to be reminded of an invitation to submit to the IMS journals. Steve is also retiring in December, to be replaced by Greg Lawler (University of Pennsylvania).

Joe Eaton and Jianqing Fan reported that the Annals of Statistics is now achieving on-time production, with a backlog



October 2005 IMS Bulletin 11

There have been three volumes in the IMS *Lecture Notes—Monograph Series* (LNMS) in the past year, and Editor Rick Vitale noted that several more are in the pipeline.

Edward George, executive editor of *Statistical Science*, acknowledged the hard work of his predecessor George Casella, and said that production would be back on schedule by the end of the year.

IMS website editor, Hemant Ishwaran, and webmaster, Arti Ishwaran, reported increased visits to the IMS web pages, with increased content. Most visitors look at the employment and meetings pages, and at the IMS journals, now all hosted at imstat.org.

2005-06 Council

The first meeting of the 2005–06 Council took place on August 10. There were presentations about NISS, the National Institute of Statistical Sciences (IMS is one of its sponsors) and about the NSF Directorate for Mathematical and Physical Sciences. More about these in a future issue.

The new IMS President, Thomas G Kurtz, introduced some ideas for the upcoming year. He reported that IMS has proposed to the Committee of Presidents of Statistical Societies (COPSS) a new Tukey Award, with a goal of raising \$20k as an endowment. We'll bring you more on this in due course. He also reported on the formation of a group on statistical volunteerism, with the aim of developing resources to support mathematics, statistics or probability programs in developing countries.

2006 dues

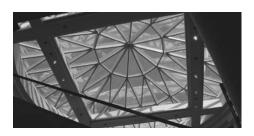
Treasurer Jiayang Sun proposed no change to individual dues for 2006: they remain at \$75, with the same 20% discount for renewing by December 31. The only change in dues was for institutions, whose dues will increase next year to \$680.

New Planning Grant Program

Other new business included the creation of a new planning grant program. These small grants will enable groups of researchers from multiple universities or research centers to support the preparation of proposals that, if successful, would provide substantial new resources supporting research in statistics and/or probability. Details to follow.

Finally, Council thanked for their hard work the IMS program chair David Madigan, contributed papers chair David Higdon, and local chair Peihua Qiu.





Opposite page: downtown Minneapolis skyline. This page, clockwise from top right: reflections on a skyscraper; Snoopy and friends at Camp Snoopy in the Mall of America, Minneapolis; Minneapolis Convention Center skylight; IMS new member reception; Queuing to get into David Brillinger's Neyman Lecture. [Photos: Tati Howell]





IMS New Member Reception at JSM



Oksana Yakhnenko (Iowa State University): "I like it so far...!" and Richard Samworth (University of Cambridge): "Going to the New Researchers' Conference beforehand helped."



There were serious discussions around the tables, and lots of laughter too. IMS student mixers are for all new members who have joined IMS during the previous two years, and all IMS student and new graduate members. We hope to see you in Rio!



Pictured left to right: Samuel Dolo (University of Mississippi), Ingram Olkin (Stanford University), Pamela Smith (University of Mississippi) and Alicia Graziosi (Temple University). Ingram, of course, is not a new member, or a student... IMS student mixers are a great place to meet longstanding members too. The one thing this group agreed on was, "We love statistics"!



Hyunsook Lee (Penn State) said JSM was "great for networking and meeting new friends"; she also learned lots about IMS.



Standing: Anqi Sun (University of Florida) and Shani Daniel (University of Pennsylvania). Seated: Alex Rojas (Carnegie Mellon University) and Adriana Lopez (University of Pittsburg). These four all agreed that they like Minneapolis.



Justin Gross (Carnegie Mellon) said being at JSM was like being a kid in a candy store, and you really need to focus. Jimmy Fulp (also at CMU) said that even if you don't understand everything you go to, at least it helps you find out what you're interested in.

October · 2005 IMS Bulletin · 13

OBITUARY: Benjamin Epstein

1918-2004

BENJAMIN EPSTEIN, Professor Emeritus of Statistics at the Technion and IMS Fellow, died on December 22, 2004.

Professor Benjamin (Ben) Epstein was born in the US and educated in Boston Latin School. At the age of 16 he was accepted to MIT, graduated with an S.B. degree in Mathematics in 1937 and was elected to the Sigma Xi Honor Society. A year later he completed an M.S. in Mathematics at MIT, before moving to the University of Illinois, where he joined the doctoral program in Mathematics under the supervision of David Bourgin. He obtained his Ph.D. degree in 1941.

Ben spent the remainder of the war years working as an applied mathematician, supporting the defense effort by solving a variety of statistical problems, specifically in the area of quality control which led him into reliability theory. He worked about two years at Frankford Arsenal in Philadelphia and one year at Westinghouse in Pittsburgh. As did many of his generation, among them the founders of modern Statistics, it was while facing these applied problems that he developed significant expertise in this new subject. After the war he turned to an academic career, working as a research statistician at the Coal Research Laboratory and as a lecturer at the Department of Mathematics, both in Carnegie Institute of Technology. In 1948 he accepted a position at Wayne State, where he rose to the rank of Full Professor. He remained at Wayne State from 1948 to 1960.

Ben spent the years 1960–68 in Palo Alto where he worked as a consulting statistician for a number of companies. During this time, both from his consulting work and his academic contributions, he

built himself an enviable reputation as an expert in life testing, systems reliability and extreme value theory.

His contributions were eventually recognized by his election as a Fellow of the American Statistical Association and of the Institute of Mathematical Statistics, as well as to membership of the International Statistical Institute.

In 1974 he won the prestigious Shewhart Medal, granted by the American Society for Quality.

In 1964 Ben was invited to Israel for consultations at the Technion – Israel Institute of Technology and RAFAEL, the Armaments Development Authority of Israel. During this visit the seeds of love for Israel were planted, which led to his moving there with his family in 1968 as a Professor in the young Faculty of Industrial Engineering and Management at the Technion.

Ben arrived in Israel with a desire to contribute to his newfound homeland, which he realized by educating a new generation of scholars, developing studies in Statistics at the Technion and contributing to the defense industries in the areas he knew so well.

Ben was the first statistician to reach the rank of Full Professor at the Technion. He founded the Statistics group in the Industrial Engineering and Management Faculty, and played a key role in attracting new faculty and developing courses and teaching programs within the Faculty. He also fought long and hard (and successfully) to introduce the study of Statistics and Probability as part of the core curriculum throughout the entire Technion.

At the graduate level, Ben supervised a

number of gifted graduate students, many of whom were absorbed by the defense industries in Israel and some of whom were to move on to key academic



positions in other universities in Israel.

Recognizing the needs of local industry in general, Ben was also one of the driving forces behind the development of a graduate program in Quality Assurance and Reliability at the Technion. Indeed, he saw the development of consciousness of these areas as a personal challenge and brought all his years of experience to bear on it.

Ben was also key to the foundation of the Israel Statistical Association in 1975. He was its President from 1981-2.

Throughout his life, Ben Epstein was a modest but imposing scholar, filled with a desire to serve society in general and Statistics in particular. His passing is a great loss to all who knew him.

Robert Adler & Ishay Weissman Faculty of Industrial Engineering and Management Technion - Israel Institute of Technology.

Past *IMS Bulletin* Editors Leo Katz (1972-74); Dorian Feldman (1975-80); William C Guenther (1981-86); George P H Styan (1987-92); Susan R Wilson (1992-97); Dipak K Dey (1998-2001)

OBITUARY: Leo Breiman

1918-2004

LEO Breiman, Professor Emeritus of Statistics at the University of California, Berkeley, died on July 5 at his Berkeley home after a long battle with cancer. He was 77.

An IMS Fellow, Breiman was a man of wide-ranging interests, including probability theory, mathematical statistics and cutting-edge statistical computation. He inspired and challenged his students: he once said he would advise a student considering a career in statistics today to "remember that the great adventure of statistics is in gathering and using data to solve interesting and important real world problems."

Breiman had just received the SIGKDD Data Mining and Knowledge Discovery Innovation Award, the highest technical award in these two areas, for significant technical innovations in data mining and knowledge discovery that have been transferred to practical uses in significant ways or have notably influenced the direction of research and development in the field.

"It is trite to say so, but Leo Breiman was indeed a Renaissance man, and we shall miss him greatly," said Peter Bickel, professor of statistics and chair of UC Berkeley's statistics department.

Leo Breiman was born in New York in 1928, the only child of Eastern European immigrants. He grew up in New York, San Francisco and Los Angeles: his degree in physics was from the California Institute of Technology in 1949. He then decided to study philosophy at Columbia University, but was persuaded to return to mathematics when the head of the philosophy department confided that his two best PhDs couldn't find jobs. He received a master's degree in mathematics from Columbia in 1950, supporting himself during summers as a waiter in the Catskills and as a member

of the US Merchant Marine.

After earning his PhD from UC Berkeley in 1954, he was hired to teach probability theory at UCLA. In a 2001 interview in Statistical Science, he said that while at UCLA he concluded that math education for children was "all wrong because they wound up thinking of mathematics as an awful, boring subject that had nothing to do with the everyday world around them." So he volunteered to teach math to two fifth grade classes, one of them for emotionally disturbed youngsters. "I had a wonderful time, and the kids had a wonderful time," Breiman said in the article. "We played all kinds of games. They were learning Cartesian geometry, algebra, and all sorts of sophisticated things under the guise of playing games."

But he realized he "wasn't cut out to be an abstract mathematician" and resigned from his tenured position at UCLA. For the next six months, he lived off money he had withdrawn from his UCLA retirement savings to write what would be the influential graduate textbook *Probability Theory*.

He then spent years as a statistical consultant, developing and using new statistical methods to predict such matters as patterns of traffic on the freeways, bottlenecks in the court system and next-day ozone levels in the Los Angeles basin.

Breiman took his first sabbatical working for UNESCO as an educational statistician in Liberia, central Africa, to find out exactly how many students were in the country's schools. At the time, there were only 50 miles of paved road in the entire country, and many schools were in virtually inaccessible areas of the rain forest. Breiman formed 20 teams to walk throughout Liberia, going into villages, calling children out of the schools, and then counting them.

While Breiman was in Southern California, he also helped poor young Mexicans learn English so they could find employment in their country's tourism industry. His interest in education led him to run for the Santa Monica School District board, where he ultimately served as president.

Breiman retired in 1993, but as a Professor in the Graduate School, he continued to get substantial National Science Foundation grants and supervised three PhD students. Peter Bickel described some of Breiman's best (post-retirement) work: "He developed one of the most successful state-of-the-art classification programs, 'Random Forest.' This method was based on a series of new ideas that he developed in papers during the last seven years, and it is extensively used in government and industry." Breiman's best known work is considered to be Classification and Regression Trees, a work in collaboration with three other scholars that facilitates practical applications, such as the diagnosis of diseases, from a multitude of symptoms.

During his career, Breiman was elected a member of the National Academy of Sciences and of the American Academy of Arts and Sciences.

He is survived by his wife, Mary Lou, and daughters, Rebekah and Jessie.

Contributions in his memory may be sent, earmarked for the Leo Breiman Fund, to: *Department of Statistics, UC Berkeley, 367 Evans Hall, Berkeley, CA 94720-3860.* These contributions will go to funding a prize in applied statistics and, if sufficient, a graduate fellowship in that field.

We are grateful to Steve McConnell, the web news editor at UC Berkeley, for permission to edit the obituary at http://www.berkeley.edu/news/media/releases/2005/07/07_breiman.shtml

October 2005 IMS Bulletin · 15

Letter to the Editor

Letters on any issue of interest to IMS members are welcome. Email your letters to the Editor at bulletin@imstat.org. Some small print: the Editor's decision is final; we may edit your letter before publication; publication does not necessarily imply endorsement of the opinions expressed therein, and the IMS Bulletin and its publisher do not accept any responsibility for them.

Applied Statistics Research: "Challenging, Valued and Fun" Dear Editor

The "Stuff" that Terry Speed writes in the *IMS Bulletin* is always a highlight to read and his essay on theoretical versus applied statistics research is no exception (June 2005). As someone who has tried to do both, I agree that it is harder to do good applied than good theoretical statistics research. It is also harder to teach and learn how to do applied statistics research. It is not my experience though that theoretical work is more valued than applied, nor that such a 'message comes from department chairs, research funding agencies, journals and from within our discipline'.

There are many funding opportunities for applied statistics research. For example, the National Institutes of Health (NIH) fund a lot of statistical methods development and they have a special study section on biostatistics to review such grants. Moreover, there are many top quality statistics journals that are applied rather than theoretical, unless of course, one defines quality based on the amount of theoretical content. For example, many of the most cited statistics and probability journals are of an applied nature (see Table 1, below). Papers presenting new statistical methods are also accepted by many excellent non-statistical journals. While there are exceptions, many department chairs assign great value to applied statistics research, especially in schools of agriculture, engineering, medicine and public health. When statistics departments fail to hire applied statisticians it is not necessarily due to disinterested depart-

ment chairs, but more likely due to lower supply than demand for good applied statisticians.

With respect to attitudes within our discipline, I do believe that Terry is half right. The quality of statistical research is sometimes judged more on mathematical complexity and difficulty rather than practical importance, which is strange. Some times the opposite is also true, with an insistence that statistical research must include an application, how-ever artificial, rather than accepting good theoretical statistics for what it is: a beautiful base for statistical understanding and intuition as well as a supplier of important building blocks for applied statistical research.

While very challenging, applied statistics research is wonderful, fascinating, and satisfying in many different ways, and I strongly encourage bright young statisticians to do such research. You will have many important unsolved problems to work on. You will get a chance to collaborate with great people in other fields, learning about other scientific areas. You will receive appreciation from non-statisticians who will jump on the good statistical methods that you develop for their practical problems. You will have a lot of fun playing with data. You will also have the satisfaction to directly see how your research contributes to the well being of society. It is one of the most fun jobs you can have.

Martin Kulldorff

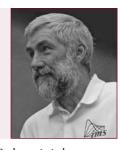
Associate Professor Biostatistician, Harvard Medical School

Journal	number of articles	average citations
1 J Royal Stat Society, Series B	43	56.2
2 Statistical Science	17	43.9
3 Econometrica	44	29.6
4 J American Statistical Association	116	26.7
5 J Royal Stat Society, Series A	29	24.3
6 J Business and Economic Statistics	46	20.9
7 Annals of Statistics	132	20.9
8 Technometrics	36	20.4
9 Journal of Chemometrics	25	18.7
10 Biometrics	117	18.3
11 Biometrika	83	18.0
12 Multivariate Behavioral Research	21	15.8
13 Review of Economics and Statistics	55	15.4
14 Controlled Clinical Trials	44	14.2
15 Statistics in Medicine	193	13.7
16 J Educational and Behavioral Statistics	8	11.3
17 Oxford Bulletin on Economics and Statistics	32	10.4
18 J Quality Technology	33	10.1
19 J Royal Stat Society, Series C	37	9.9
20 International Statistical Review	20	9.4

Table 1: The 20 most cited statistics and probability journals based on the average number of citations per article published in 1995. Data were obtained from ISI Web of Science® (see http://www.isinet.com/products/citation/ wos/ for more information). The denominator is the number of articles published/registered in 1995, as defined by ISI (not always coinciding with the official publication year), excluding for example editorials, commentaries, corrections, notes, book reviews and obituaries. The numerator is the number of citations to those articles as registered by ISI up until mid June, 2005. A total of 58 journals were evaluated, including all 56 ISI defined statistics and probability journals for which 1995 data were available, plus Psychometrika and Controlled Clinical Trials. The most cited probability journal is the Annals of Probability [88 / 8.2].

Terence's Stuff: Publishing and Perishing?

Terry Speed muses on just how essential it is to publish research at all costs.



Why do we publish? Perhaps it is better to begin asking: Why do we do research? Many of us would answer that we like doing it, and it's part of our job. Publishing is an essential aspect of research: it's the part which shows others what we have done, which submits our work to critical evaluation by our peers, and which connects our results to others' as they go into the literature of our field. It is also important to employers and funding bodies, giving them something they can see for their money. There have always been people who do research with no intention of publishing it, but I think the issue for most of us is when and what to submit for publication, not whether we should do it. Publications also play a big role in our professional advancement, and so it is hard to object too much. If we make a discovery which could benefit others, surely we should disseminate it. If we are paid to do research, surely those who pay us are entitled to see what we've achieved and to require that it be externally reviewed. However, I know I am not the only person who feels ambivalent about the whole business.

Initially I did research (in mathematics) because I liked it, and I wanted to get my PhD. I wasn't thinking I'd publish anything before handing in my thesis, but then a senior professor in my department (not my advisor) more or less challenged me to prove that I really had some results, and wasn't just full of hot air. I sat down and wrote some papers, sent them off, and they all got accepted. So my start in publishing was to prove myself to someone.

At different times in my early career, my attitude to publishing varied between one extreme (I thought I had something interesting to say and some other people might want to hear it) to the other (feeling I had to little to say that would interest anyone but me). I now know I was often wrong on the first point. Much later in life, I was asked to name my twenty best papers. I listed some on which I'd worked very hard and liked a lot, but which, as someone pointed out (after using the 'other' ISI [www.isihighlycited.com]), had zero

citations. I felt stupid, but I didn't feel devastated because I've always felt that there was more to me than my papers. For most of my career, what I published alone seemed a hit-or-miss business, though with collaborators it was usually more serious. When I moved from Australia to Berkeley I was surprised to discover that some people (colleagues, department chairs, deans) judged me by my publishing record. I remember thinking "Gosh, if I'd known this would happen, I might have tried to write more, or better, papers." After a while, people got to know me and stopped thinking of me as co-extensive with my publications, and I relaxed again. But then I (half-) moved back to Australia, to find the bar raised even higher, and I failed even more spectacularly. For I came to be judged within the world of biomedical research: there almost all that counts are papers in Nature, Science, Nature Genetics, Cell and a few other "high impact" journals. And yes, you might have guessed: so far I have zero papers in any of these. But life goes on.

So, what have I learned about publishing? For a start, our publishing habits tend to be driven by the need to fulfil the expectations of others. In this sense, my start wasn't all that unusual.

Secondly, it can be irrational and unfair. Department chairs who seldom if ever publish in the *Annals* routinely tell their younger colleagues that to get advancement, they need to publish... in the *Annals*.

Thirdly, despite all this, it is an important and useful form of communication, and it's hard to argue that it should stop.

When I was doing my PhD it comforted me a lot to know that there was someone in Liège who shared my interests. At that time, journals were the way we found each other.

These days we could use the web and save on journal space, as many do.

Fourthly, if you really want to publish something, there is a journal that will take it. But I have some pride, and I hope you do too. Publishing somewhere, anywhere, has no appeal to me.

Who or what can we blame for the publish or perish syndrome, that pushes us to publish more than we might otherwise? Principally, I think the blame rests with an academic system that thrives on easily measured,

> externally validated criteria, and a publishing industry that feeds on this. Gauss wrote of pub-

lishing "Pauca sed matura" ("Few, but ripe"), and it would be great if more of us could live up to that dictum. But tell that to your department chair, dean, or funding agency. If you have few, they want many. If you say, "Sed matura", they will say, "More, sed matura"...

October 2005 IMS Bulletin • 17

Wendelin Werner Awarded 2005 Loeve Prize

The 2005 Line and Michel Loeve International Prize in Probability is awarded to Wendelin Werner of Université Paris-Sud. The prize, which carries a monetary award of \$30,000, will be presented at a ceremony in Berkeley in September 2005.

Wendelin Werner received his Ph.D. in 1993 under Jean-Francois Le Gall at Universite Paris VI and his early research included hard results on self-repelling motion and on the "hot spots" conjecture for planar diffusions. Since around 2000 he has been a central figure, along with co-authors Greg Lawler and Oded Schramm, in the



study of two-dimensional random systems exhibiting conformal invariance. This exciting body of work links the stochastic Loewner equation with intersection exponents for Brownian motion, variants of self-avoiding random walks, uniform spanning trees in the lattice, and with critical percolation. It also develops new continuous processes such as Brownian loop soup.

About the Prize

The Prize commemorates Michel Loeve, Professor at the University of California, Berkeley, from 1948 until his untimely death in 1979. The Prize was established by his widow, Line Loeve, shortly before her death in 1992. Awarded every two years, it is intended to recognize outstanding contributions by researchers in probability who are under 45 years old.

I Nominations Sought for 2006 Mitchell Prize

The Mitchell Prize committee invites nominations for the 2006 Mitchell Prize. The Prize is currently awarded every other year in recognition of an outstanding paper that describes how a Bayesian analysis has solved an important applied problem. The Prize is jointly sponsored by the ASA Section on Bayesian Statistical Science (SBSS), the International Society for Bayesian Analysis (ISBA), and the Mitchell Prize Founders' Committee, and consists of an award of \$1000 and a commemorative plaque. The 2006 Prize selection committee members are Tony O'Hagan (chair), Dave Higdon and Marina Vannucci.

The Mitchell Prize is named after Toby J Mitchell and was established by his friends and colleagues following his death from leukemia in 1993. Toby was a Senior Research Staff Member at Oak Ridge National Laboratory throughout his career, with leaves of absence spent at the University of Wisconsin and at the National Institute of Environmental Health Sciences. Toby won the COPSS Snedecor Award in 1978 (with co-author Bruce Turnbull), made

incisive contributions to statistics, especially in biometry and engineering applications, and was a marvelous collaborator and an especially thoughtful scientist. Toby was a dedicated Bayesian, hence the focus of the prize.

Eligible papers for the 2006 Prize must have appeared in a refereed journal or conference proceedings during the years 2003, 2004 or 2005. The selection committee strongly encourages electronic submissions of the papers being nominated. Entries must be sent to:

Anthony O'Hagan
Professor of Statistics
Department of Probability and Statistics
University of Sheffield
Hicks Building
Sheffield S3 7RH
UK
E-mail: a.ohagan@sheffield.ac.uk

Entries must be received by 1 February, 2006. Authors may nominate themselves. The award will be presented at the 2006 Valencia Meeting.

A complete entry consists of the following items:

- Electronic file of the paper (.ps, .pdf or .doc) being nominated. Alternatively,
 4 copies of the manuscript or reprint should be sent via post.
- A brief statement by the nominator describing the impact of the work.
- Names of two evaluators, not the nominator or coauthors, who are willing and able to credibly evaluate the usefulness of the work from the perspective of the applied field addressed in the paper as distinct from providing comments on its statistical merit.
- Contact information for nominee, nominator (if different) and evaluators noted above.

Complete details about the Prize and the nomination process are provided in the Mitchell Prize Charter that can be obtained from the International Society for Bayesian Analysis website http://www.bayesian.org under 'ISBA awards'. Note that the guidelines for the 2006 Mitchell Prize are slightly different than previous years.

2005 Cox Race a Smashing Success!

Lori A Thombs was the Cox Race co-ordinator for the Caucus for Women in Statistics. She reports:

The 16th Annual Gertrude Cox Scholarship Run was held on the morning of August 9 at Loring Park in Minneapolis, MN, during the Joint Statistical Meetings. Over 80 runners and walkers participated in the 5 km run and 2.5 km walk.

We would like to thank all of our participants and volunteers, and Mary Anderson and her crew at Anderson Race Management for their excellent job executing the race from start to finish. We also extend a very warm thank-you to our corporate sponsors for the 2005 Gertrude Cox Scholarship race and fund. The generosity of these companies allows the ongoing funding of these annual scholarships. If you work with or encounter anyone from these

companies, please thank them for their support: Amgen, Inc.; Frontier Science and Technology Research Foundation, Inc.; Johnson and Johnson PRD, LLC; MacKichan Software, Inc.; Merck Research Laboratories; Minitab Inc.; Pfizer, Inc.; SAS Institute Inc.; StataCorp LP; Westat; Wyeth Research.

Winning times

Steffen Fieuws of Belgium had the winning time for males, with a time of 15:48 minutes, and Wendy Tseng of Miami, FL was the top female finisher, coming in at 20:47 minutes.

The results of the race and finishing times for all entrants are at the Anderson Race Management website: http://www.andersonraces.com/Results/asarso5.htm

The Gertrude Cox Scholarships

The winners of this year's Gertrude M Cox Scholarships are Susanne Hoeppner (Masters student, Louisiana State University), Carrie Hosman (PhD student, University of Michigan at Ann Arbor), and Carly Pendleton(Masters student, Brigham Young University). Each receives a \$1000 scholarship and a complimentary membership in the Caucus for Women in Statistics for the upcoming year. Nicole Bohme (PhD student, University of Washington) received an honorable mention: she gets free membership in the Caucus for the upcoming year.

Julia Bienas, President of the Caucus [pictured left presenting a medal to one of the Cox Race runners, Claire Gormley], says, "Congratulations to these women for their outstanding achievements and best wishes for continued success!"

She also thanked the Gertrude Cox Scholarship Committee members, Holly Shulman (Chair), Amita Manatunga, and Julie Legler, who reviewed and scored the applications, and Mariza de Andrade, Past-President of the Caucus, for reviewing and scoring the top applicants.



A race well run: a volunteer's view of the Cox Race

5.30am: the radio alarm goes off and I'm woken by relent-lessly cheery advertising for some new dental whitening contraption. I groan. My partner reminds me that I agreed to come and cheer on the runners at the Cox race around Loring Park in downtown Minneapolis. I wonder why I agreed so readily.

We set off into the extraordinary morning light, the heat and humidity not yet bouncing off the pavements. Joining the bus queue, I have a sense of blending in with the workers, rather than being a tourist. Arriving at the park, we see around 80 people milling around, gathering where the race organisers had set up a stall. The atmosphere is friendly and warm, and I'm impressed with how efficient and well run it is.

I am asked to help by starting one of the race timers as the group — young students to mature women and men in their sixties — set off. The organisers and volunteers cheer the runners and walkers on with an infectious, "Good job, keep it up", and much enthusiastic clapping!

As the runners finish their 5 km, I help another volunteer to keep track of the finishing order by pulling off their running numbers. These get fed into a computer on site so that within a few minutes of finishing, the first, second and third places in each age and gender category are known. Julia Bienas, the President of the Caucus for Women in Statistics, hands out medals to 24 runners.

Everyone is given bags of bagels, and there are t-shirts and water bottles for the runners. I even receive a t-shirt for helping. After the event has finished, four of us volunteers go for a slap-up American breakfast in a nearby diner, 'Hell's Kitchen'. Well, we feel we have earned it... The alarm at 5.30am is a distant memory, and I'm ready to start a full and interesting day sightseeing in Minneapolis, glad to be accompanying my partner at the JSM meeting in this vibrant city.

Gaynor Harper, Gloucestershire, UK

October 2005 IMS Bulletin • 19

The 2005 Cox Race... in photos

















Meeting of the Midnight Sun: WNAR/IMS 05

David Yanez writes: The 2005 annual meeting of WNAR/IMS was held at the University of Alaska in Fairbanks, USA from 21–24 June, where approximately 250 meeting participants experienced the near 24 hour daylight and the mild summer climate.

The meeting began with the short courses, Bayesian Clinical Trials, by Scott Berry of Berry Consultants, and Active Set Adaptive Sampling, by Steve Thompson of Pennsylvania State University and Simon Fraser University.

Donald Rubin of Harvard University gave a stimulating presentation entitled, The Design (Versus Analysis) of Observational Studies, for the WNAR Presidential Invited Address. Christian P Robert of Université Paris Dauphine gave the IMS Medallion Lecture, Population Monte Carlo, a New Approach to Adaptive Importance Sampling.

Excellent presentations were given by invited speakers: Aiyi Liu from NICHD/NIH, Yi Li from Harvard University, Dan Gillen from University of California, Irvine in the session, "Time-Varying Treatment Effects in Clinical Trials;" Mikyoung



Wildlife seen near the campus of the University of Alaska-Fairbanks [Photograph: Dan Gillen]



Yes, that's 12:14 am! A quarter past midnight at the 2005 WNAR/IMS Spring Meeting [Photograph: Dan Gillen]

Jun from University of Chicago, Maria Giovanna Ranalli from University of Perugia and Colorado State University and Jun Zhu, University of Wisconsin-Madison in the session, "Inference for Spatial/Non-stationary Processes;" Andrew Zhou from University of Washington, Shou-En Lu from University of Medicine and Dentistry of New Jersey and Paul Albert from NCI in the session, "Recent Advances in Two-Part Models;" Yoonkyung Lee from Ohio State University, Changyi Park from Ohio State University and Tao Shi from University of California, Berkeley in the session, "Machine Learning;" Brad Carlin from University of Minnesota, Denis Allard from Biometrie, INRA, France, Dale Zimmerman from University of Iowa and Chris Wikle from University of Missouri-Columbia in the session, "Spatial Statistics;" Peter Müeller from University of Texas MD Anderson Cancer Center, Jeffrey Morris from University of Texas MD Anderson, Hulin Wu from University of Rochester and Hans-Georg Mueller from University of California, Davis in the session, "Functional Data Analysis;" Jim Zidek from University of British Columbia, Roger Peng from John Hopkins University and Paul Switzer from Stanford University

in the session, "Modeling Air Pollution Exposure and Response'" Donald Rubin from Harvard University, Constantine Frangakis from John Hopkins University and Paul Rosenbaum from University of Pennsylvania in the session, "Casual Inference or Statistical Computing;" F. Jay Breidt from Colorado State University, Lance Waller from Emory University and William Christensen from Brigham Young University in the session, "Challenges in Environmental Assessment;" Matthew Stephens from University of Washington, Haiyan Huang from Univeristy of California, Berkeley and Dan Nicolae from University of Chicago in the session, "Computational Biology;" Jennifer Bryan from University of British Columbia, Raphael Gottardo from University of Washington and Dick Hwang from University of Washington in the session, "Statistical Methods for Genomic Data;" Alix Gitelman from Oregon State University, Kathryn Georgitis from Oregon State University, John Van Sickle from US Environmental Protection Agency and Devin Johnson from University of Alaska-Fairbanks in the session, "Model Selection in a GIS World."

IMS Bulletin · 21 October 2005

WNAR 2005 Student Paper Awards

Congratulations to Nema Dean from the University of Washington for winning the 2005 WNAR Best Student Paper Competition for her paper, "Normal Uniform Mixture Differential Gene Expression Detection for cDNA Microarrays." Congratulations to Laura Cowen from Simon Fraser University on winning the Best Student Oral Presentation Award for her talk entitled, "The Jolly-Seber Model with Tag Loss." Congratulations also go out to runners-up for Best Oral Presentation Garrett Hellenthal from University of Washington and Megan Dailey from Colorado State University. The students received their awards on the Tanana Chief Riverboat at the conference banquet cruise.

We are indebted to the team of student paper reviewers and judges for students' oral presentations. In particular, we thank Mike Fugate from Los Alamos National Laboratory for chairing the competition. Students and recent graduates are encouraged to submit their manuscripts for the 2006 WNAR/IMS Student Paper Competition. Details on the submission process can be found as they become available at the WNAR website at <www. wnar.org> under the link, Student Paper Competition. Students are encouraged to plan to submit their papers early.

Special thanks go out our Local Organizer, Dana Thomas from University of Alaska-Fairbanks; Program Chairs Gilbert Fellingham from Brigham Young



Student paper award recipients Garrett Hellenthal and Nema Dean with WNAR Pres C Drake [Photo: Barbra Richardson]

University (WNAR) and Thomas Lee (IMS) from Colorado State University; the invited session organizers: Scott Emerson from University of Washington, Jay Breidt from Colorado State University, Paul Albert from National Cancer Institute, Yi Lin

from University of Wisconsin, Madison, Jay Ver Hoef from National Marine Mammal Labortory, Jeffrey Morris from University of Texas MD Anderson Cancer Center. Paul Switzer from Stanford University, David van Dyk from University of California, Irvine, William Christensen from Brigham Young University, Dan Nicolae from University

of Chicago, Rachel Altman from Simon Fraser University, Elizabeth Thompson from University of Washington, Alix Gitelman from Oregon State University and all our contributed session organizers, chairs and discussants. Thanks to all the faculty volunteer staff and the conference center staff of the University of Alaska-Fairbanks.

WNAR/IMS 2006 Spring Meeting

The WNAR/IMS 2006 Spring Meeting will be held at Northern Arizona University in Flagstaff, Arizona USA, 27-30 June. Information about the meeting can be accessed as it becomes available at the WNAR website http://www.wnar.org. Thanks to Roy St. Laurent for organizing next year's meeting. Hope to see you there!

Next year's WNAR/IMS meeting poster: please display it on your noticeboards!



WNAR conference participants enjoying the riverboat cruise [Photo: Barbra Richardson]





I IMS Meetings around the world

IMS co-sponsored meeting

Statistical Models for Biomedical and Technical Systems May 29–31, 2006

Limassol, Cyprus

IMS Rep: Filia Vonta

http://www.ucy.ac.cy/biostat2006



The meeting will be held at the Beach Hotel Miramare Bay Resort, in the seaside town of Limassol, Cyprus (http://www.miramare.com. cy/)

The topics at the meeting will include: Epidemiology of Cancer Risk and Environmental or Nutrition Factors; Statistical Models and Methods in Epidemiology; Semi-Markov Processes with Applications; Generalizations of the Cox Regression Model; Statistical Models and Methods in Reliability; Probabilistic Models

in Reliability; Semi-parametric Inference in Survival Analysis; Models and Methods in Longevity, Aging and Degradation; Models and Methods in Survival Analysis; Models in Biosciences and Medicine; Accelerated Life Models; and Analysis of Quality of Life

A workshop will be given at the conference on 'Analysis of Microarray Data', presented by Professor Mei-Ling Ting Lee (Channing Laboratory, Harvard Medical School and Biostatistics Department, Harvard School of Public Health).

For further information, please contact the conference organizer, I Vonta:

Department of Mathematics and Statistics University of Cyprus, Cyprus CY-1678 Nicosia CYPRUS

Phone: (357) 22892625; Fax: (357) 22892601

Email: biostat2006@ucy.ac.cy



IMS co-sponsored meeting

Statistical Challenges in Modern Astronomy IV June 12–15, 2006



The Penn State University, University Park, PA, USA

http://astrostatistics.psu.edu

IMS Rep: G Jogesh Babu e babu@stat.psu.edu

The fourth in a series of interdisciplinary international research conferences, Statistical Challenges in Modern Astronomy, will be held during June 12-15, 2006 at the Pennsylvania State University, University Park, USA.

Astronomy at the beginning of the 21st century, and particularly research arising from wide-field survey observatories at various wavebands, finds itself with serious challenges in statistical treatments of data to achieve its astrophysical goals. A vast range of statistical problems arise in the scientific interpretation of astronomical studies involving sampling, multivariate and survival analysis, image and spatial analysis, signal processing and time series analysis, nonlinear regression, and more.

At a glance: Annual Meeting dates

2006

IMS Annual
Meeting: Rio de
Janeiro, Brazil,
July 30-August
4, 2006. With X
Brazilian School of
Probability (XEBP)
http://www.imstat.org/
meetings/IMS2006/

JSMo6 Seattle:

August 6-10, 2006. IMS Program Chair: Chris Genovese; IMS Contributed Paper Chair: Jennifer Hoeting

2007 IMS Annual Meeting @ JSM07: Salt Lake City, Utah, July 29 - August 2, 2007

2008 IMS Annual Meeting:

Singapore, July 20–26, 2008. With VII Bernoulli World Congress.

JSMo8: Denver, Colorado, August 3–7, 2008.

2009
IMS Annual
Meeting @ JSM:
August 2-6, 2009.

Washington, DC.

October • 2005 IMS Bulletin • 23

IMS co-sponsored meeting:

Workshop on Frontiers of Statistics May 18–20, 2006 Princeton, NJ

http://www.orfe.princeton.edu/conferences/frontiers/index.htm IMS Reps: Jianqing Fan, Luisa Fernholz, Hira Koul The work intends to bring top and junior researchers together to define and expand the frontiers of statistics. It provides a focal

venue for top and junior researchers to gather, interact and present their new research findings, to discuss and outline emerging problems in their fields, and to lay the groundwork for fruitful future collaborations. A distinguished feature is that all topics are in core statistics with interactions with other disciplines such as biology, medicine, engineering, computer science, economics and finance. Topics include:

Nonparametric inference and machine learning

Longitudinal and functional data analysis

Nonlinear time series, Financial econometrics

Computational biology, genomics and survival analysis

MCMC, Bootstrap, robust statistics

Experimental design and industrial engineering

Travel support: There is financial assistance available for graduate student, post-doctoral fellows, and junior scholars to contribute to their expenses such as housing or travel or registration. Download an application form from the website.



31st Conference on Stochastic Processes and their Applications July 17–21, 2006

Paris, France

http://www.proba.jussieu.fr/pageperso/spao6/index.html

IMS reps: Edwin Perkins, Jim Pitman, Philip Protter, Alain-Sol Sznitman, Simon Tavaré and Ed Waymire.



IMS co-sponsored Meeting:

2006 WNAR/IMS Western Regional Meeting June 2006 Flagstaff, Arizona

IMS Program Chair: TBA.

IMS co-sponsored meeting:

Probability Summer School June 26 - July 7, 2006

Ithaca, NY
Details to follow...

IMS co-sponsored meeting:

2006 ENAR/IMS Spring Meeting: March 19-22, 2006

Hyatt Regency, New Orleans, LA http://www.enar.org/meetings.htm IMS co-program chairs: Michael Kosorok and Jason Fine, University of Wisconsin-Madison

IMS co-sponsored meeting:

2007 ENAR/IMS Spring Meeting April 15-18, 2007

Fountainebleau Hilton Resort Miami, FL http://www.enar.org/meetings.htm

IMS co-sponsored meeting:

Frankfurter Stochastik-Tage / German Open Conference on Probability and Statistics March 14–17, 2006

Goethe-University Frankfurt/Main, Germany

http://stoch2006.math.uni-frankfurt.de/index_en.html

IMS Reps: Norbert Henze, Arnold Janssen, Christine Mueller, Axel Munk, Rainer Schwabe, Anton Wakolbinger

This conference is held every two years by the Fachgruppe Stochastik of the German Mathematical Society. It provides a forum for participants from universities, business, and industry to discuss new results in the area of probability and statistics.

Contact: Frankfurter Stochastik-Tage 2006, German Open Conference on Probability and Statistics, c/o Prof. Dr Götz Kersting, Goethe-Universität Frankfurt, ISMI - Institut für Stochastik & Mathematische Informatik, Robert-Mayer-Str. 10, D-60325 Frankfurt, Germany. **f** 0049-(0)69-798 23881; **t** 0049-(0)69-798 22644/28651; **e** stoch2006@math.uni-frankfurt.de

Other Meetings Around the World: Announcements and Calls for Papers

Northeast Probability Seminar New York University, New York City November 17-18, 2005



http://www.math.csi.cuny.edu/probability/NortheastProbabilitySeminar The fourth Northeast Probability Seminar will be held at the New York University Kimmel Center on November 17 & 18, 2005. The invited speakers are Sergey Bobkov, University of Minnesota; Michael Cranston, University of California, Irvine; Pablo Ferrari, Universidade de Sao Paulo; and Alice Guionnet, Ecole Normale Supèrieure de Lyon.

There is also time scheduled during the two afternoons for short, informal talks and discussion sessions.

The program was chosen by the seminar's scientific committee: Gerard Ben Arous, Richard Bass, Daniel Ocone, and Jay Rosen.

We gratefully acknowledge the generous funding from the National Science Foundation that makes this event possible. The NSF grant allows us to offer some financial support to participants from US Universities: see the website for application details.

Third TN Thiele Symposium on Stochastic Volatility December 19-20, 2005



Department of Applied Mathematics and Statistics, University of Copenhagen

http://www.math.ku.dk/~michael/thiele3/

The subject of the symposium is stochastic volatility models including actuarial, econometric and mathematical finance aspects. The symposium is named after the great Danish astronomer, insurance mathematician and statistician Thorvald Nicolai Thiele (1838-1910). The First Thiele Symposium was held in 2000 to mark the 125th anniversary of the advent of Thiele's differential equation for the reserve on a life insurance policy. The Second Thiele Symposium was concerned with financial econometrics.

NSA.

Analysis of Panel Data: short course 5 April 2006 Southampton, UK

http://www.s3ri.soton.ac.uk/events/seminars/ index.php

Southampton Statistical Sciences Research Institute at the University of Southampton is hosting a one-day short course on the on 5th April 2006, preceding the two-day symposium on the Convergence of Methods for the Analysis of Panel Data (see below). For further details please contact Peter Smith panel@s3ri.soton.ac.uk

Convergence of Methods for the Analysis of **Panel Data** 6-7 April 2006 Southampton, UK

http://www.s3ri.soton.ac.uk/events/seminars/ index.php

Southampton Statistical Sciences Research Institute, University of Southampton, is hosting a 2 day Symposium on the Convergence of Methods for the Analysis of Panel Data on 6th & 7th April 2006. For further details please contact Peter Smith panel@s3ri.soton.ac.uk

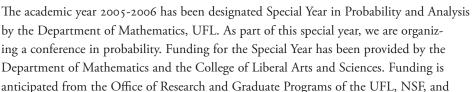


Conference on Martingale, Potential Theory and Stochastic Analysis November 10–13, 2005

University of Florida, Gainesville, FL



http://www.math.ufl.edu/~sam/payr/



We would like your participation in this conference! For more information please visit the web page above, or contact Dr Liqing Yan yan@math.ufl.edu

Conference Organizers: Joe Glover, Murali Rao and Liqing Yan

October 2005 IMS Bulletin - 25



50 Years Later

Conference on Stochastics in Science In Honor of Ole E. Barndorff-Nielsen

March 20-24, 2006 Guanajuato, Mexico

www.cimat.mx/Eventos/oebn-conference

Scientific Program

The Scientific Program of the Conference includes two Special Invited Talks and ten Invited Sessions on different fields, where Ole has contributed or where we think he would like to do so. Among the topics will be Lévy theory and processes, infinite divisibility, likelihood theory as well as stochastic modeling and applications in physical sciences, bioinformatics and finance. In addition talks will be featured by young

researchers, with whom Ole has recently collaborated.

Program of the Conference

Monday 20 Inaugural Talk

Neil Shephard, Oxford, UK

Invited Session 1: Infinite Divisibility and Lévy Processes

Organizer: Ken-iti Sato, Nagoya, Japan Makoto Maejima, Yokohama, Japan Christian Houdré, Atlanta, USA Toshiro Watanabe, Tokyo, Japan

Invited Session 2: Finance

Organizer: Rama Cont, Paris, France Peter Tankov, Paris, France Ernesto Mordecki, Montevideo, Uruguay Rama Cont, Paris, France

Tuesday 21

Invited Session 3: Quantum Statistics

Organizer: Richard Gill, Utrecht, The Netherlands Luis Artiles, La Habana, Cuba Keiji Matsumoto, Tokyo, Japan Peter Jupp, St. Andrews, Scotland

Invited Session 4: Stochastics in the Physical Sciences

Organizer: Ed Waymire, Corvalis, USA Michael Sørensen, Copenhagen, Denmark Sidney Resnick, Ithaca, USA Ed Waymire, Corvalis, USA

Special Invited Talk

Albert Shiryaev, Moscow, Russia

Wednesday 22 Invited Session 5: Bioinformatics

Organizer: Jens Jensen, Aarhus, Denmark Jotun Hein, Oxford, UK Carsten Wiuf, Aarhus, Denmark Niels Richard Hansen, Copenhagen, Denmark

Invited Session 6: Likelihood Theory

Organizer: Alessandra Salvan, Padua, Italy David Cox, Oxford, UK Donald Pierce, Hiroshima, Japan Nancy Reid, Toronto, Canada

Thursday 23 Invited Session 7: Infinite Divisibility in Quantum Stochastics

Organizer: Steen Thorbjørnsen, Odense, Denmark Uwe Franz, Neuherberg, Germany Hari Bercovici, Indiana, USA Philippe Biane, Paris, France

Invited Session 8: Applications of Lévy Theory

Organizer: Søren Asmussen, Aarhus, Denmark Andreas Kyprianou, Heriott-Watt, UK Patrick Albin, Chalmers, Sweden Mats Pihlsgaard, Lund, Sweden

Friday 24 Invited Session 9: Turbulence and Tempo-Spatial Modelling

Organizers: Eva Vedel Jensen and Jürgen Schmiegel, Aarhus, Denmark

> Eva Vedel Jensen, Aarhus, Denmark Kristjana Yr Jónsdóttir, Aarhus, Denmark Jürgen Schmiegel, Aarhus, Denmark

Invited Session 10: Applications of Lévy Processes

Organizer: Claudia Klüppelberg, Munich, Germany Jean Bertoin, Paris, France Jean Jacod, Paris, France Phillip Protter, Ithaca, USA

Registration is free, but you must register at the meeting website above.

Organizing Committee

Claudia Klüppelberg (Munich, Germany) Víctor Pérez-Abreu (Guanajuato, Mexico) Michael Sørensen (Copenhagen, Denmark)

Other Meetings Around the World: Announcements and Calls for Papers

Second International Meeting Methodological Issues in Oral Health Research: Assessing and Improving Data Quality 19–21 April 2006

Ghent, Belgium

http://med.kuleuven.be/biostat/conferences/Dental2006/
As in the first edition, this international meeting aims to bring together oral health researchers and statisticians interested in the analysis of dental data. The ultimate goal is to stimulate collaboration between the two parties, eventually leading to the improvement of the methodological quality of oral health papers and the stimulation of new statistical research useful for the analysis of dental data.

The topic of this meeting is "Assessing and improving data quality" and therefore a state of the art will be given on: design issues in oral health studies and on methods that assess, improve and take the quality of oral health studies into account both from a dental as well as a statistical perspective.

The invited speakers will give a presentation suitable and attractive for oral health researchers as well as for statisticians. Plenary and discussion sessions will provide oral health researchers and statisticians the opportunity to confront their views. Ample time will be available for oral health researchers and statisticians to meet informally.

Participants are invited to present their work either as an oral presentation or as a poster. Abstracts should be submitted via e-mail before January 1, 2006 to jeannine.rongy@med.kuleuven.be following the guidelines available on the website above. The organisers will notify acceptance or rejection of papers before February 28, 2006. Two researchers (preferably from developing countries) will be supported up to an amount of €1250 each to participate in the meeting. Candidates for this grant are invited to submit a two-page abstract (see instructions on the website) no later than November 1, 2005. Winners will be notified before November 15, 2005.

The meeting will be organized in Het Pand, a medieval abbey in Ghent, Belgium (see http://www.gent.be). Hotel accommodation can be found at http://med.kuleuven.be/biostat/conferences/ Dental2006/accom

University of Florida Eighth Annual Winter Workshop on Frontiers of Theoretical Statistics
January 13-14, 2006
Gainesville Florida

http://www.stat.ufl.edu/symposium/2006/theory/index.html
The workshop will focus on recent developments in the field of theoretical statistics. A major purpose of the workshop is to provide a forum for the advancement of statistical theory and its potential applications, and to examine areas that are on the cutting edge of statistical research. All sessions are plenary, and the invited speakers include Jim Berger, Peter Bickel, Ronald Butler, R. Dennis Cook, Jim Fill, Peter McCullagh, Susan Murphy, Nancy Reid, Christian Robert, Michael Steele, Steven Stigler, and Bin Yu. The workshop will also include a contributed poster session. NSF funding is expected to support a limited number of young researchers to attend the workshop.

The organizing committee is soliciting applications from senior graduate students (4th year or higher) and researchers who received their PhD in or after 2001. Applications should include a one-page curriculum vitae, a one-page abstract, and two references, including a major professor who is supervising (or has supervised) the applicant's research. Researchers receiving support are expected to present their work at the poster session. Applications should be e-mailed by November 15, 2005. Women and under-represented groups are encouraged to apply. Funding applications and workshop registration link are found on the Workshop web page. E-mails should be sent to carol@stat.ufl.edu.

The organisers of the Gini-Lorenz 2005 Conference (held at the University of Siena, Italy, from 23–26

May, 2005) are happy to announce that the pictures taken during the conference, like this one, right, are available on the web site at http://www.unisi.it/eventi/ GiniLorenz05/Foto/index. htm



October · 2005 IMS Bulletin · 27



Conference on Stochastic Networks June 19–24, 2006

University of Illinois at Urbana-Champaign

http://www.comm.csl.uiuc.edu/~srikant/ stochnet.htm

An international Conference on Stochastic Networks will be held June 19–24, 2006 at the University of Illinois at Urbana-Champaign.

This workshop will continue a tradition of similar meetings held at irregular intervals over the last 20 years or so, starting with the one organized by Peter Glynn and Tom Kurtz in Madison in 1987, continuing with conferences in Minneapolis, Edinburgh, Madison, Stanford and Montreal. These meetings have brought together mathematicians and applied researchers who share an interest in stochastic network models.

Like its predecessors, the 2006
Stochastic Networks Conference (sponsored by US Army Research Office) will emphasize new model structures and new mathematical problems that are motivated by contemporary developments in wireless networks, Internet, biology, manufacturing, and mathematical methods for stochastic network analysis. There will be roughly twenty invited talks over a six-day period (Sunday through Friday), with plenty of time in the interstices for informal discussions. In addition, there will be a poster session for contributed papers.

For preliminary information about the conference, see http://www.comm.csl.uiuc. edu/~srikant/stochnet.htm. Further updates will become available at the same website.

Chair: P.R. Kumar. Program Committee: Peter Glynn, Bruce Hajek, Mike Harrison, Frank Kelly, P.R. Kumar, Tom Kurtz, John Tsitsiklis, and Ruth Williams. Salford Systems Data Mining 2006 Conferences San Diego, California: March 29–31, 2006 Sydney, Australia: June 6–8, 2006



The conferences will offer prominent keynote statisticians, including Jerome Friedman, coupled with informative real world application stories. There will be special courses available for attendees who are new to Data Mining.

If you would like more information, please see http://www.salforddatamining.com/ 2006InfoRequest.php



LECTURE NOTES – MONOGRAPH SERIES



LNMS Volume 47:

Recent Developments in Multiple Comparison Procedures

Yoav Benjamini, Frank Bretz and Sanat Sarkar, Editors

This volume is based on the NSF-CBMS Conference in Mathematical Sciences *New Horizons in Multiple Comparison Procedures* held in August 2001 at Temple University, Philadelphia, with Yosef Hochberg as the key speaker.

The conference was organized in response to the sudden upsurge of research that has taken place in the area of multiple comparisons. A number of newer ideas have emerged from the recent research activities that could generate a steady stream of new research.

This volume is a collection of 11 papers, covering a broad range of topics in Multiple Comparisons, which were invited for the conference. The goal of this volume is to gain deeper understanding of these ideas and to promote further research activities in this area.

Price US\$35

IMS Member Price US\$21 Order online: http://www.imstat.org/

Or send payment (Mastercard/Visa/American Express/Discover, or check payable on a US bank in US funds):

Institute of Mathematical Statistics, Dues and Subscriptions Office,
9650 Rockville Pike, Suite L2407A, Bethesda MD 20814-3998, USA
Tel: (301) 634-7029 Fax: (301) 634-7099 Email: staff@imstat.org

Employment Opportunities around the world

Directory of Advertisements

Canada

University of Toronto (2 ads)

Germany

University of Heidelberg

The Netherlands

University of Tilburg

USA:

Arizona: University of Arizona

California: California State University, East

Bay (formerly CSU Hayward);

Claremont McKenna College [repeat ad];

Stanford University (2 ads); University of California at Davis; University of California at Santa Barbara

Florida: University of Florida (3 ads)

Georgia: Georgia Institute of Technology

Illinois: University of Chicago

Maryland: National Institute of Standards &

Technology

Massachusetts: Boston University (2 ads);

Harvard University

Michigan: University of Michigan

Minnesota: University of Minnesota

Missouri: University of Missouri;

Washington University

New York: Cornell University (2 ads)

Ohio: Oberlin College; Ohio State University

Oregon: Portland State University

Pennsylvania: Lehigh University;

Penn State [repeat ad]

Rhode Island: Brown University (2 ads)

South Carolina: Clemson University;

University of South Carolina

Texas: Texas A&M University (2 ads)

Washington: University of Washington

Wisconsin: University of Wisconsin

Germany: Heidelberg



University of Heidelberg

The Faculty of Mathematics and Computer Sciences, University of Heidelberg, invites applications for a tenured

Professor Position (W3) in Mathematical Statistics

(a position comparable to a full professorship).

Outstanding research and teaching achievements are required. In addition the applicants should have some experience with applications. Participation in the Interdisciplinary Center for Scientific Computing (IWR) of the University is expected. The teaching language is German.

This is essentially a permanent position. The first contract will be based on regulation § 50 Abs. 1 LHG and will be temporary. Exceptions to the temporal initial contract can be made under special circumstances and especially for applicants from outside Germany or outside academia if she/he would not consider the position otherwise. Should the position be made permanent after the initial period then this will not require a new application process.

The faculty intends to increase the number of women in teaching and research; women are therefore explicitly invited to apply. Handicapped persons with the same qualifications will be given preference.

Applications with the usual documents (curriculum vitae, description of scientific interests, list of publications (no reprints), record of teaching activities) should be submitted until 07.10.2005 to: Dekan der Fakultät für Mathematik und Informatik, Universität Heidelberg, Im Neuenheimer Feld 288, D-69120 Heidelberg, Germany

The Netherlands: Tilburg

Tilburg University

Tenure Track Assistant Professor

At the Department of Econometrics and Operations Research and the Center for Economic Research (CentER) at Tilburg University, a position is available for a Tenure Track Assistant Professor in Statistics / Actuarial Sciences (vacancy number 300.2005.27)

The assistant professorship is a tenure track position for six years and offers ample opportunities to do research as it carries a light teaching load. Applications should be received not later than October 15, 2005.

For a complete description of this position and the selection procedure please visit our website, http://www.tilburguniversity.nl/vacancies. More information about CentER can be found at www.center.nl

Applications should be sent to Tilburg University, the Personnel Department FEB, room B136, PO Box 90153, 5000 LE Tilburg, The Netherlands or feb-personeelszaken@uvt.nl. Please mention the vacancy number 300.2005.27 in your application.

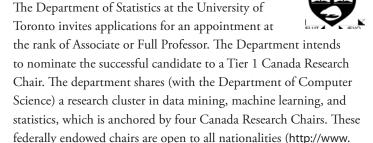
For further questions you can contact Prof. JM (Hans) Schumacher via telephone: +31-13-4662050, telefax: +31-13-4663280 or email: jms@uvt.nl.

October 2005 IMS Bulletin 29

Canada: Toronto

chairs.gc.ca).

Canada Research Chair University of Toronto Department of Statistics



Candidates are expected to be outstanding scholars, whose research and teaching will make major contributions to the quality and stature of the Department.

Appointments will be made at the rank of either Associate or Full Professor, to begin July 1, 2006 or thereafter. Salary will be commensurate with experience.

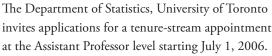
Letters of application, curriculum vitae, and statements on research and teaching, should be submitted to *Professor Keith Knight, Chair, Department of Statistics, University of Toronto, Toronto, ON, Canada M*₅S ₃G₃. Names of four scholars who can serve as external referees should be provided. We will begin reviewing applications after November 1, 2005 and will continue until the position is filled.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

The University of Toronto offers the opportunity to teach, conduct research and live in one of the most diverse cities in the world, and is strongly committed to diversity within its community. The University especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to further diversification of ideas.

Canada: Toronto

University of Toronto Department of Statistics





Duties will include research, undergraduate and graduate teaching and involvement in graduate supervision. Demonstrated or potential excellence in research and teaching, and a doctoral degree are required. Applicants from all areas of statistics will be considered, including applicants with an interdisciplinary background in a related area such as, for example, image processing, machine learning, data mining, genetics, and environmental science.

Letters of application with curriculum vitae, graduate transcripts and reprints should be sent to *Professor Keith Knight, Chair, Department of Statistics, University of Toronto, 100 St. George Street, Room 6018, Toronto, Ontario, Canada M5S 3G3* by November 30, 2005.

Applicants should ask three references to send a letter of recommendation under separate cover to the same address by the stated deadline. Salary to be commensurate with qualifications and experience.

Information on the Department of Statistics at the University of Toronto is available on the department's home page at www.utstat. toronto.edu.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

The University of Toronto offers the opportunity to teach, conduct research and live in one of the most diverse cities in the world, and is strongly committed to diversity within its community. The University especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to further diversification of ideas.

USA: Arizona

University of Arizona, Tucson

The Mathematics Department invites applications for tenure-track positions at either the Assistant, Associate or Full Professor level to begin Fall 2006. By time of appointment, candidates are expected to have a Ph.D. and excellent research record or potential, as well as a strong commitment to teaching. Please send a letter of interest (specifying position(s) applied for), an AMS Cover Sheet (which can be downloaded from http://www.ams.org/coversheet), a CV with a list of publications, a statement of research interests, a statement of teaching experiences/philosophy and a minimum of three (3) letters of recommendation (enclose or arrange to be sent) to:

Personnel Committee, Dept. of Mathematics

University of Arizona, P.O. Box 210089

Tucson, AZ 85721-0089

Applications received before October 1, 2005 will receive the fullest consideration; applications after February 1, 2006 are unlikely to be considered. For further information please visit our website: http://math.arizona.edu/employment

USA: California

CLAREMONT MCKENNA COLLEGE

Ruth and Joseph Reed Professorship in Applied Mathematical Statistics

The Department of Mathematics, Statistics, and Computer Science of Claremont McKenna College announces a tenure track position at the Associate/Full professor level beginning July 1, 2006. Candidates must have a PhD in mathematical or applied statistics. Both teaching and professional accomplishments are highly valued. Data analysis experience and cross-disciplinary interests are preferred. Salary is competitive, summer support is available, and the normal teaching load is four courses per year.

For the complete ad, see http://math. mckenna.edu/. Send vita, teaching philosophy, program for professional activity, undergraduate and graduate transcripts and three or more recommendations letters to:

Prof Janet Myhre, Chair Search Committee, Department of Mathematics, Statistics and Computer Science, Claremont McKenna College, 850 Columbia Ave., Claremont, California, 91711-6420.

Review of applications will begin on November 1, 2005, and will continue until the position is filled.

Claremont McKenna College is a highly selective undergraduate institution ranked among the top liberal arts colleges nationally. CMC is a member of The Claremont Colleges that also include Pomona, Scripps, Pitzer, Harvey Mudd, the Claremont Graduate University and the Keck Graduate Institute for Applied Science. Collectively, The Claremont Colleges constitute an academic community of 6,000 students. Claremont is located 35 miles east of downtown Los Angeles.

Claremont McKenna College is an equal opportunity employer. Women and minorities are encouraged to apply. For more information on CMC visit our website http://www.claremontmckenna.edu

USA: California

Stanford University

Junior Faculty Appointment in Statistics

The Statistics Department seeks applicants for a tenure track position at the Assistant Professor level. The position would begin September 2006. A doctorate in statistics or a related field is required. Applicants should have demonstrated strong research abilities, and will be expected to teach courses at both the undergraduate and graduate level. Applications are sought from all areas of statistics, both applied and theoretical.

Please see our website http://www-stat.stanford.edu for a description of departmental activities and people.

Applicants are requested to send a letter of application, curriculum vita, graduate transcripts, and at most one reprint/preprint to:

Faculty Search Committee Department of Statistics Stanford University 390 Serra Mall Stanford, CA 94305-4065

Applicants should also arrange for three letters of recommendation to be sent to the above address. Applications received by January 10, 2006 will be guaranteed consideration.

Stanford University is an equal opportunity, affirmative action employer.

USA: California

Stanford University

Joint EE-Statistics search

Stanford University's Department of Electrical Engineering (http://ee.stanford.edu/) and Department of Statistics (http://www-stat.stanford.edu) are seeking applicants for a tenure-track faculty position in a research area that explores novel interfaces between EE and Statistics. An emphasis of the search is in large-scale interacting stochastic systems such as random networks, graphs, and matrices. Application areas include: coding, array signal processing, high-dimensional statistical inference, machine learning, and genomic signal processing. Higher priority will be given to the overall innovation, originality, and promise of the candidate's work than to any specific sub-area of research.

An earned Ph.D., evidence of the ability to pursue a research program, and a strong commitment to both graduate and undergraduate teaching are required. A successful candidate will be expected to teach courses at the graduate and undergraduate levels and to build and lead a team of graduate students in Ph.D. research. The search is open at the junior tenure-track level (Assistant Professor or untenured Associate Professor).

Applications should include a detailed resume (including academic transcripts for recent graduates), a brief research and teaching plan, and at least four reference letters. Applications arriving before January 10, 2006 will be given full consideration. All material should be mailed to:

Joint EE-Statistics Search Committee c/o Corinne Barkow

Department of Electrical Engineering

Packard 167

Stanford University

Stanford, CA 94305-9505

Stanford University is an equal opportunity, affirmative action employer.

October · 2005 IMS Bulletin · 31

USA: California

Faculty Position

Department of Statistics

University of California at Davis

The Department of Statistics invites applications for one position that can be either tenured Associate Professor or tenure-track Assistant Professor, depending on qualifications, the appointment to start on July 1, 2006. Applicants must have a Ph.D. in Statistics or in a related field; should be working on topics that interface with Bayesian statistics and/or algorithmic numerical methods; and should have a substantial interest in an area of application. An outstanding research and teaching record is required for an appointment as a tenured Associate Professor. Demonstrated interest and ability to achieve such a record is required for a tenure-track Assistant Professor appointment. The successful candidate will be expected to teach at both the undergraduate and graduate levels.

UC Davis has launched Bioinformatics and Computational Science initiatives; and the Department has graduate programs in Statistics and in Biostatistics. Information about the Department and its programs can be found at http://www-stat.ucdavis.edu/. Email letter of application, including a statement of research interests, and curriculum vitae with publication list to search@wald.ucdavis.edu. Send at least three letters of reference, relevant reprints/preprints, and transcripts (applicants with Ph.D. obtained in 2004 or later) to:

Search Committee, Department of Statistics

1 Shields Avenue

University of California, Davis

Davis, CA 95616.

Review of applications will begin on Dec. 1, 2005, and will continue until the position is filled. The University of California is an affirmative action/equal opportunity employer with a strong institutional commitment to the achievement of diversity among its faculty and staff.

USA: California

CALIFORNIA STATE UNIVERSITY, EAST BAY (formerly CSU Hayward)

California State University, East Bay, (overlooking San Francisco Bay) announces one Position--#06-07 STAT-APPLIED-TT-- FULL-TIME TENURE TRACK ASSISTANT PROFESSOR.

Teach undergraduate/MS courses in Statistics/Biostatistics/Statistical Computation, sustain related research program. Advise, mentor ethnically diverse students.

Required by start date (9/15/06): Ph.D. in Statistics, US work authorization.

Review 12/15/05 until filled.

Application information: Dept. of Statistics,
CSUEB, (510) 885-3435, http://www.sci.
csueastbay.edu/statistics

EOE

USA: California

University of California, Santa Barbara Statistics and Applied Probability

Applications are invited for an open level position in Stochastic Analysis (particularly Mathematical Finance) beginning Fall 2006. Qualifications: excellence in research and teaching, PhD in Statistics/ Mathematics.

Send resume, research and teaching objectives, AMS Cover Sheet (http://www.ams.org) and arrange four reference letters (at least one teaching related).

Submit materials via http://www. mathjobs.org OR send to:

Search Committee,

Department of Statistics and Applied Probability,

University of California, Santa Barbara, CA 93106-3110.

Screening begins December 10, 2005 and continues until the position is filled. EO/AA For more information see http://www.pstat.ucsb.edu



USA: Florida

Director, Division of Biostatistics College of Medicine, University of Florida

We are seeking a senior faculty member at the rank of Associate or Full Professor to lead the Division of Biostatistics, University of Florida. This 12-month position will offer a very competitive salary and benefits package. The Director will be expected to articulate a vision and will have considerable latitude in developing the division to meet the objectives of the Health Sciences Center. Currently, there are 10 faculty in the division, with plans to expand to 16. The division currently has multi-million dollar research support.

The ideal candidate will have a PhD degree in statistics or biostatistics, demonstrated excellence in both methodologic and collaborative research, and significant experience in obtaining grant funding. Candidates with strong communication and administrative skills are especially encouraged to apply.

Gainesville, Florida is a university city with excellent quality of life and a relatively low cost of living.

Review of applications will begin November 1, 2005 and will continue until the position is filled. To apply, send a resume, cover letter, and names of three references to:

Prof. Myron N Chang, Chair, Search Committee

Division of Biostatistics, University of Florida

104 N. Main St. #600, Gainesville, FL 32601

Phone: (352)-273-0553; mchang@cog.ufl.edu

University of Florida is an EO Employer. Anyone requiring special accommodations to complete this application should contact the search committee chair.

USA: Florida

Department of Statistics University of Florida

Pending budgetary approval, Tenure-track Assistant Professor, College of Liberal Arts and Sciences.

Includes teaching, service, collaborative and methodological research. PhD in statistics or related field required, with good communication skills.

Vita, transcript, and three reference letters to

Search Committee,

Dept. of Statistics,

PO Box 118545

Gainesville,

FL 32611-8545.

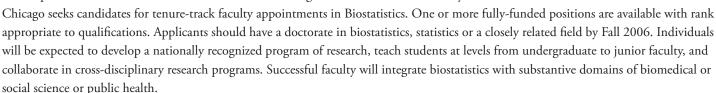
Application deadline: 12/12/2005.

EOE.

USA: Illinois

University of Chicago Tenure-Track Faculty Biostatistics

The Department of Health Studies in the Division of Biological Sciences at the University of



The Health Studies Department encompasses the fields of Epidemiology, Biostatistics, and Health Services Research. Scholars conduct independent research, as well as collaborative research with faculty in clinical and non-clinical departments and centers throughout the University, including Medicine, Psychiatry, the Cancer Center, Human Genetics, Obstetrics and Gynecology, Pediatrics, Sociology, Statistics, the National Opinion Research Center and the Harris School of Public Policy Studies.

Send an application letter, curriculum vitae, statement of research and teaching interests and experience, one to three publications (or manuscripts for recent graduates), and names and addresses of three references to *Ronald Thisted, Chair; Department of Health Studies; ATTN: Biostatistics Faculty Search; The University of Chicago;* 5841 *S. Maryland Avenue, MC* 2007; *Chicago, IL* 60637. Full consideration will be given to applications received by December 15, 2005.

Our Web site at http://health.bsd.uchicago.edu/ contains more detailed information about currently available positions, as well as information about the Department and its faculty, the University, and the City of Chicago.

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



October · 2005 IMS Bulletin · 33

USA: Maryland

Statistical Engineering Division Chief Sought

National Institute of Standards and Technology, Information Technology Laboratory, Statistical Engineering Division, Gaithersburg, MD: Supervisory Mathematical Statistician ZP-1529-V, or Supervisory Computer Scientist, ZP-1550-V.

The Information Technology Laboratory (ITL) at the National Institute of Standards and Technology (NIST) is seeking a highly qualified individual for the position of Division Chief for the Statistical Engineering Division (SED). The Division Chief provides executive direction for the scientific and technical activities of SED and is responsible for administrative, financial and personnel management. The Division consists of highly qualified senior professional researchers and practitioners, mid-career professionals and post-doctoral fellows, approximately 20 full-time equivalents and 5 NIST Associates (domestic/foreign guest researchers, contractors, etc). The staff is also assisted by academic faculty and students.

The Statistical Engineering Division of ITL has a long-standing role to contribute to research in information technology, to catalyze scientific and industrial experimentation, and to improve communication of research results by working collaboratively with, and developing effective statistical methods for, NIST scientists and our partners in industry. The division contributes to the development of appropriate statistical methodology, building on a foundation of pertinent topics in probability and mathematical statistics; and provides leadership and computational tools to facilitate the implementation of modern statistical design, analysis and process control procedures. The division works in teams with other technical staff to carry out interdisciplinary collaborations, including in the areas of nanotechnology, biotechnology and healthcare.

The Division Chief will be responsible for developing and executing an Operational Plan in alignment with the strategic and operational goals of the Laboratory and NIST. He/she will review and assure the quality and productivity of the Division and the relevance of its programs to ITL and NIST missions and national goals. To facilitate international trade that is beneficial to ILS, industry, NIST participates in international internal place.

tional trade that is beneficial to U.S. industry, NIST participates in international inter-laboratory comparisons, called Key Comparisons, with different National Metrology Institutes (NMIs), to assess the degree of equivalence of international measurement standards. The Chief is responsible for leading that statistical effort in support of the Key Comparisons. The Chief may be called upon to represent the Laboratory and the Institute at technical meetings; on government policy-level committees and boards of scientific, technical, and standards organizations; and in developing policy for interagency/international memoranda of understanding.

Applicants may qualify based upon one year of specialized experience equivalent to at least the GS-14 (ZP-IV at NIST) in the statistical engineering field. Appointment is at the ZP-V level (equivalent to GS-15); salary range \$103,947 - \$135,136.

For further information and to apply for this position visit the website http://www.usajobs.opm.gov. The vacancy numbers associated with this position are ITL.2005.0019, ITL.2005.0020, ITL.2005.0021 and ITL.2005.0022.

Further information on NIST is available on the Web at http://www.nist.gov, on ITL at http://www.itl.nist.gov and on the Statistical Engineering Division at http://www.itl.nist.gov/div898.

For questions regarding the position, contact larry.reeker@nist.gov. For questions regarding the vacancy announcement, contact cheryl. hickle@nist.gov. U.S. citizenship is required. The Department of Commerce/NIST is an Equal Opportunity Employer.

USA: Florida

Department of Statistics University of Florida

Pending budgetary approval, Assistant/ Associate/Full Professor, College of Liberal Arts and Sciences.

Includes teaching, service, collaborative and methodological research. PhD in statistics or related field required, with good communication skills. Senior applicants should have an established record of methodological research.

Vita, transcript, and three reference letters to

Search Committee, Statistics Department, Box 118545 Gainesville,

FL 32611-8545.

Application deadline: 12/12/2005. EOE.

USA: Georgia

Georgia Institute of Technology School of Mathematics

The School of Mathematics at Georgia Tech is now in the second year of an ambitious faculty recruitment program – one which will be sustained over a five year period. During the first year, four appointments were made, including one at the full professor level and two at the associate professor level. Building on past successes, this recruiting effort is intended to make rapid advances in the scope and quality of our research and graduate education programs.

Candidates will be considered at all ranks, with priority given to those candidates who:

- (1) bring exceptional quality research credentials to Georgia Tech;
- (2) complement existing strengths in the School of Mathematics;
- (3) reinforce bridges to programs in engineering and the physical, computing and life sciences;
- (4) have strong potential for external funding; and
- (5) have a demonstrated commitment to high quality teaching at both the undergraduate and graduate levels.

Consistent with these priorities, candidates will be considered in all areas of Pure and Applied Mathematics and Statistics.

Candidates should arrange for a resume, at least three letters of reference, and a summary of future research plans to be sent to:

Hiring Committee, School of Mathematics,

Georgia Institute of Technology,

Atlanta, GA, 30332-0160, USA.

Candidates for Associate and Full Professor positions should also submit a statement outlining their vision for service as a senior faculty member at Georgia Tech.

Review of applications will begin in September 2005, and the roster of candidates being considered will be updated on a monthly basis. Georgia Tech, an institution of the University System of Georgia, is an Equal Opportunity/Affirmative Action Employer.

USA: Massachusetts

Boston University

MA Degree Program in Mathematical Finance

Exceptional candidates with expertise in Mathematical Finance are invited to apply for a tenure-track Assistant Professor position at Boston University. The appointment will be effective as early as January 1, 2006. All applicants should demonstrate outstanding potential as researchers and educators, and extensive knowledge of Theoretical Finance, Stochastic Analysis and Probability Theory.

Applicants should submit a cover letter and three copies of the following:

- (a) detailed vita;
- (b) detailed description of current and future research plans;
- (c) brief teaching statement; and
- (d) selected reprints and preprints.

Complete applications must be mailed to:

Mathematical Finance Search Committee

MA degree program in Mathematical Finance

Boston University

111 Cummington Street

Boston, MA, 02215, USA

Applicants should have at least four letters of recommendation, one of which evaluates teaching, sent directly to the above address. Applications received by October 1, 2005 will be given full consideration. Early application is advisable.

Boston University is an Affirmative Action/Equal Opportunity Employer.

USA: Massachusetts

Department of Mathematics and Statistics Boston University Positions in Statistics

The Department of Mathematics and Statistics at Boston University invites applications for a tenure-track/tenured position in statistics at the Associate Professor level, and a tenure-track position in statistics at the Assistant Professor level, pending approval. These positions will begin in September 2006. Candidates should demonstrate, at a rank-appropriate level, a strong commitment to research and teaching. Collaborative and interdisciplinary research is preferred for the Associate Professor position.

Please submit a CV and at least three letters of recommendation, one of which addresses teaching, to either the Associate Professor Search Committee or the Assistant Professor Search Committee, Department of Mathematics and Statistics, Boston University, 111 Cummington Street, Boston, MA 02215.

Application Deadline: January 2, 2006.

Boston University is an Affirmative Action/Equal Opportunity Employer.

October 2005 IMS Bulletin - 35

USA: Michigan

The Department of Statistics at the University of Michigan anticipates filling two positions starting 9/05. Applications from candidates at the Assistant Professor level as well as Associate and Full Professor levels are invited. Doctorate in Statistics or a related field, excellence in research and teaching required.

Candidates at Assistant Professor level should send vitae, three reference letters, research statement, evidence of teaching excellence, transcripts (if recent Ph.D.), copies of selected publications to: Faculty Hiring, Department of Statistics, University of Michigan, Ann Arbor MI 48109-1107.

Candidates at Associate or Full professor levels should send vitae, research statement, evidence of teaching excellence, and names of six references to the above address.

Review of applications will commence on December 15, 2005. Women and minorities are encouraged to apply. The University is supportive of the needs of dual career couples. Affirmative Action/Equal Opportunity Employer.



USA: Massachusetts

Harvard University Fellowships

The Radcliffe Institute for Advanced Study at Harvard University awards fully funded fellowships each year. Radcliffe Institute fellowships are designed to support scientists of exceptional promise and demonstrated accomplishment. Scientists, in any field, with a doctorate in the area of the proposed project by December 2004 are eligible to apply. Only scientists who have at least one published article or monograph are eligible to apply.

The stipend amount of \$55,000 is meant to compliment sabbatical leave salaries of faculty members. Fellows receive office space, computers and high speed links, and access to libraries and other resources of Harvard University during the fellowship year, which extends from early September 2006 through June 30, 2007. Residence in the Boston area is required as is participation in the Institute community. Fellows are expected to present their work-in-progress and to attend other fellows' events.

For more information, including lists of present and past fellows, visit our Web site at http://www.radcliffe.edu. Apply on-line or write, call, or e-mail for an application:

Radcliffe Application Office 34 Concord Avenue, Cambridge, MA 02138 617-496-3048 science@radcliffe.edu http://www.radcliffe.edu

USA: Minnesota

School of Statistics College of Liberal Arts University of Minnesota

Applications are invited for one full-time, nine-month, tenured, regular faculty appointment at the level of professor or associate professor beginning August 28, 2006. Duties: research, teaching and advising, and service.

Qualifications: Require doctorate in statistics or closely related quantitative field. In addition, demonstrated excellence in research and teaching is required; tenured candidates must have a distinguished record of research and teaching.

Send a letter of application, curriculum vitae, reprints/preprints, and arrange for three letters of recommendation to

Chair, Search Committee, School of Statistics, University of Minnesota, 313 Ford Hall, 224 Church St. SE, Minneapolis, MN 55455 (612) 625-8046; FAX (612) 624-8868.

Applicants will be reviewed beginning 10/15/05 and will continue until position is filled. The University of Minnesota is an equal opportunity employer and educator. For complete position information, please visit the web site http://www.stat.umn.edu

USA: Missouri

Tenured and Tenure-track Faculty Positions Department of Statistics

University of Missouri – Columbia

The Department of Statistics (http://www.stat.missouri.edu) seeks to fill two positions at the Assistant Professor level or one Assistant and one Associate Professor positions, starting Fall 2006. A doctorate in statistics or biostatistics by August 15, 2006, excellence in teaching and research, and excellent communication skills are required. An association with other units will be explored if this is of interest to a strong candidate.

Send letter of application, CV, PhD transcripts and three letters of reference to

Dr. Athanasios Micheas,

Chair of Search Committee,

Statistics Department,

University of Missouri,

146 Middlebush Hall,

Columbia, MO 65211-4100

Or via email to: umcstatfacsearch@missouri.edu. Review of applicants will begin December 1, 2005, and continue until positions are filled. EO/AAE.

USA: New York

Cornell University

Visiting Teaching Positions

The Department of Mathematics invites applications for academic-year or one-semester visiting teaching positions (any rank) beginning August 16, 2006. For information about our positions and application instructions, see: http://www.math.cornell.edu/Positions/facpositions.html

Applicants will be automatically considered for all eligible positions.

Deadline December 1, 2005. Early applications will be regarded favorably.

Cornell University is an Affirmative Action/Equal Opportunity Employer.

USA: Missouri

Statistics - Tenure Track Faculty Washington University in St. Louis

Department: Mathematics Employer Type: Academic

Type of Position: Tenure-Track Faculty

Subject Area: Statistics

Geographic Location: Missouri Contact Person: David Wright

Chair Address: Department of Mathematics, Washington University, One Brookings Drive, Campus Box 1146, St. Louis, MO. 63130

E-mail Address: wright@math.wustl.edu

Opening for one tenure-track junior faculty position in statistics. Starting date: Fall semester 2006. Teaching load will be subject to the normal teaching load in the Department of Mathematics. We will consider applicants in any field of statistics.

Applicants should ask at least four and up to six persons to provide letters of recommendation. Preferably these letters are submitted through the mathjobs website (see below); they may also be sent directly to the Chair, Department of Mathematics. At least one of these letters should report on the candidate's teaching abilities. Applicants who are interviewed may be asked to teach an undergraduate class to demonstrate their teaching abilities. We will begin reviewing applications in October 2005, and continue reviewing applications until the position is filled.

Candidates are encouraged to apply using the AMS mathjobs website: https://www.mathjobs.org/jobs

Washington University is an affirmative action/equal opportunity employer and specifically invites and encourages women and minorities to apply. Employment eligibility verification required on hire. For more information about the position or the department, visit http://www.math.wustl.edu

USA: New York

Cornell University

Tenure-track or Tenured Positions

The Department of Mathematics at Cornell University invites applications for one or more tenure-track or tenured positions. Our highest priority is differential geometry/geometric analysis. For further information and application instructions, see http://www.math.cornell.edu/Positions/facpositions.html

Start date July 1, 2006. Application deadline November 1, 2005. Early applications will be regarded favorably. Cornell University is an Affirmative Action/Equal Opportunity Employer.

USA: Ohio

Oberlin College Department of Mathematics

Full-time, continuing position beginning the 2006-07 academic year.

Responsibilities include teaching undergraduate courses in mathematics and statistics (5 per year), supervising honors students, and sustained scholarly production. Ph.D. degree (in hand or expected by first semester of academic year 2006-07) required. Preference given to candidates who have experience in applied mathematics broadly defined and whose interests complement those of current faculty members. Candidates must demonstrate potential excellence in teaching.

Send letter of application, curriculum vitae, academic transcripts (graduate and undergraduate, unofficial accepted initially), and 3 letters of reference, to

James A. Walsh,

Department of Mathematics,

Oberlin College,

Oberlin,

Ohio, 44074

by December 1, 2005.

Oberlin College admitted women since its founding in 1833 and has been historically a leader in the education of blacks.

AA/EOE

USA: Oregon

Portland State University

Department of Mathematics & Statistics

Assistant Professor Position (Fixed-Term) in Statistics

Applications are invited for a Fixed-Term, Non-Tenure Track Assistant Professor position in Statistics beginning September 16, 2006. This is a two-year position which may, depending on availability of external funding, be renewed. All areas of Statistics will be considered.

Duties include teaching, advising when appropriate, and research in Statistics. Selected candidate will join an active group of statisticians supporting an M.S. degree in Statistics and a Ph.D. in Mathematical Sciences of which Statistics is a part. Candidates are expected to have completed a doctoral degree in Statistics or a Mathematical Science with an emphasis in Statistics, show evidence of outstanding research potential, and a strong commitment to excellence in teaching. Candidates with a biostatistics, bioinformatics, genomics and/or medical research interest will have an opportunity to develop collaboration with faculty at the nearby Oregon Health & Science University.

Qualified applicants are invited to submit an application including

- (1) a curriculum vitae,
- (2) three letters of recommendation,
- (3) a teaching statement, and
- (4) a research statement.

Send materials to

Statistics Search Committee

Department of Mathematics & Statistics

Portland State University

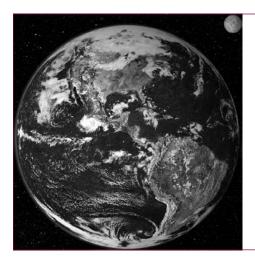
P.O. Box 751

Portland, OR 97207-0751

Further program information is available on our home page http://www.mth.pdx.edu

Questions? Call (503) 725-3621 or send email to molsee@pdx.edu. Review of files will start January 15, 2006 and continue until the finalists are identified.

Portland State University is an Affirmative Action/Equal Opportunity Institution and in keeping with the President's diversity initiative, welcomes applications from diverse candidates and candidates who support diversity.



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

38 • IMS Bulletin Volume 34 · Issue 8

USA: Ohio

Ohio State University

Anticipated tenure track Assistant Professor faculty positions beginning September 2006. Statistics/Biostatistics Ph.D. and demonstrated excellence in teaching and research required. Excellent startup packages and numerous opportunities for collaborative interdisciplinary research on our campus. Salary commensurate with experience and research areas open.

Send vitae and three letters to:

Douglas A. Wolfe, Department of Statistics,

Ohio State University,

Columbus, OH 43210

For more information, visit http://www.stat.ohio-state.edu

USA: Pennsylvania

Lehigh University

The Lehigh Department of Mathematics seeks to build on its strengths in probability and statistics by hiring at the Assistant Professor level in statistics, including biostatistics.

A successful candidate will demonstrate great research potential, and have a record of successful teaching commensurate with the position. Applications from new and recent Ph.D.'s are welcome.

As part of their application, candidates should submit: (a) an AMS cover sheet; (b) a complete vita, including a list of publications; (c) a research plan; (d) a statement of teaching philosophy; and (e) at least four letters of recommendation, at least one of which addresses the candidate's teaching.

Applications received by November 15 will be assured of full consideration. Application materials should be sent to:

Statistics Hiring Committee

Department of Mathematics

Lehigh University

Bethlehem, PA 18015-3174

Lehigh University is an Equal Opportunity/Affirmative Action employer.

For more information about the position or institution: http://www.lehigh.edu/~math

USA: Pennsylvania

Statistics Faculty Positions

Penn State

The Department of Statistics at Penn State seeks to fill the Eberly Chair and one position at any rank beginning August 2006. Candidates with research experience in social science methodology, bioinformatics and environmental applications are encouraged to apply. Primary responsibilities: conduct research, teach undergraduate and graduate courses and pursue collaboration.

Qualifications: Requires PhD in Statistics or related field. Candidates must demonstrate potential for excellence in research and teaching. See http://www.stat.psu.edu for more information.

Please send a letter of application, curriculum vita and three letters of recommendation to: *Chair, Faculty Search Committee, Department of Statistics, Penn State, 326B Thomas Building, University Park, PA 16802-2111, USA.*

Screening will begin November 15, 2005, and continue until the positions are filled. Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

USA: South Carolina

University of South Carolina

The University of South Carolina's Department of Statistics invites applications for a tenure-track Assistant Professor position and several other tenure-track positions expected to be joint appointments in bioinformatics (2) or under the Research Consortium for Children and Families.

See http://www.stat.sc.edu for details.

Applicants should have a Ph.D. Degree or its equivalent and must provide evidence showing strong commitment to research and teaching excellence.

Apply at http://uscjobs.sc.edu or send graduate transcripts, resume, and three reference letters to:

Faculty Search Committee,

Department of Statistics,

University of South Carolina,

Columbia, SC 29208.

Qualified women and minority candidates are especially encouraged to apply. AA/EOE.

USA: Rhode Island



BROWN UNIVERSITY PROGRAM IN PUBLIC HEALTH

Tenure-Track Faculty Positions in Biostatistics

The newly-formed Biostatistics Section of the Program in Public Health invites applications for two new faculty positions, one senior (Associate or Full Professor, tenured) and one junior (Assistant Professor, tenure track) to start as early as 1 June 06.

Applications are invited from outstanding candidates in all areas of biostatistics. Candidates for Associate or Full Professor should have a nationally and internationally recognized record of innovative methods research in biostatistics, significant experience in interdisciplinary research, and demonstrated leadership potential. Candidates for Assistant Professor should provide evidence of outstanding research potential and should, preferably, have postdoctoral training. All candidates must show evidence of excellent oral and written communication skills and possess strong ability and interest in teaching and mentoring of students.

The new faculty members will join a highly interdisciplinary Biostatistics faculty of eight and will play an integral role in the ongoing expansion of biostatistics research and education at Brown. Current faculty research interests include diagnostic test evaluation, missing data and causal inference, bioinformatics, Bayesian inference, and health services research. Growth in Biostatistics is part of a major, ongoing expansion of research and educational programs in Public Health at Brown. The academic departments and research centers in Public Health, Medicine, and Biology at Brown provide rich opportunities for interdisciplinary research.

Interested applicants should send a letter of application, a brief statement of current and planned research, and an updated curriculum vitae to:

Constantine Gatsonis, Ph.D.
Center for Statistical Sciences, Box G-H
Brown University
Providence RI 02912
gatsonis@stat.brown.edu

Candidates for Assistant Professor should arrange for at least three letters of recommendation to be sent to the above address. Candidates for Associate or Full Professor should provide names and contact information of five referees.

Application review will start on 15 November, 2005 and will continue until successful candidates are selected or the search is closed.

Brown University is an Equal Opportunity/Affirmative Action Employer and actively solicits applications from women and minorities.



40 • IMS Bulletin Volume 34 · Issue 8

USA: Rhode Island



Division of Applied Mathematics Brown University Positions in Probability and Statistics

The Division of Applied Mathematics seeks applicants for two positions in the general areas of probability and statistics. One position will be filled at any professorial rank. The other will be filled at the Associate or Assistant level with preference for the Assistant level. The starting date for the positions is July 1, 2006. Preference will be given to applicants who combine research in probability and statistical theory or computation with important applications to science, who add distinct new dimensions to the Division's current research and who bridge current activities in the Division. At the Assistant Professor level, preference will be given to individuals with postdoctoral experience. Applicants at the Associate and Full Professor levels should have achieved international recognition for first-class contributions in their specialties. Additionally, candidates for Full Professor are expected to be acknowledged leaders and should be prepared to assume a leadership role in probability and/or statistics at Brown. Good communication and teaching skills are required.

Applicants should submit curriculum vitae, representative preprints and reprints, and a concise description of research interests and goals to:

Attn: Probability and Statistics Search
Professor Paul Dupuis, Chairman
Division of Applied Mathematics
Brown University
PO BOX F
Providence, Rhode Island 02912 USA

Applicants for Assistant Professor should arrange to have at least three letters of recommendation sent directly to the Search Committee at the same address. Applicants for Associate or Full Professor should arrange to have at least five letters of recommendation sent directly to the Search Committee and should provide the names and contact information for the references at the time of application. (Applicants for Full Professor may postpone having letters sent until requested by the search committee, but they should provide the requested contact information for the references.)

To receive full consideration, complete applications should be received by November 30, 2005.

Brown University is an affirmative-action/equal-opportunity employer. Women and minorities are encouraged to apply.

USA: South Carolina

Clemson University

Departments of Mathematical Sciences and Computer Science

Clemson University invites applications for two tenure-track bioinformatics faculty positions starting with the Spring 2006 semester. These positions (one in the Department of Mathematical Sciences and one in the Department of Computer Science) are part of the University's commitment to build a high-quality research and education program in genomics where three new faculty members (bioinformatics, population genetics and functional genomics) will be added to 10 which have been hired in the past three years.

The Mathematical Sciences Department is a comprehensive department which includes the areas of statistics, probability, computational mathematics, mathematics education, operations research, analysis, algebra and discrete mathematics. Ph.D., M.S., B.S., and B.A. degrees are awarded in Mathematical Sciences with a possible concentration in Statistics, and there presently are 80 graduate and 100 undergraduate students in these programs. The Department of Computer Science includes the areas of graphics and visualization, networking, programming languages, software engineering, and algorithms; the department, housed in a new building, has 20 faculty members, about 400 undergraduate majors, and over 100 graduate students. B.A., B.S., M.S., and Ph.D. degrees in Computer Science, B.S. degree in Computer and Information Science, interdisciplinary programs in E-Commerce and Digital Production Arts are offered. The Departments are strongly committed to interdisciplinary research within the University with several active research teams, and the successful candidates should have strong interests and commitments to interdisciplinary research (with the genomics group), teaching both graduate and undergraduate courses, and supervising M.S. and Ph.D. students in their respective departments. Targeted recruiting is for the assistant professor rank but applicants for all ranks will be considered. An earned doctorate or equivalent is required for the tenure track positions. Applicants should indicate their research specialties and interests in bioinformatics in their cover letter.

Application should be sent (preferably electronically) to either

mathsci@clemson.edu or biocs@cs.clemson.edu

or by postal mail to either

Faculty Search Committee or Faculty Search Committee

Department of Mathematical Sciences Department of Computer Science

o-106 Martin Hall - Box 340975 100 McAdams Hall - Box 340974

Clemson University Clemson, SC 29634-0975 Clemson, SC 29634-0974

Applications will be received until both positions are filled. All applications received prior to September 15, 2005 will receive full consideration. Clemson University is an AA/EO employer and encourages applications from women and minorities.

USA: Texas

Texas A&M University Postdoctoral research position

The Departments of Statistics and Electrical Engineering at Texas A&M University invite applications for a postdoctoral research position in genomic signal processing. The successful candidate should have a doctoral degree in statistics, biostatistics, electrical engineering, Computer Science or related fields, and is expected to carry out research in this NCI funded project for developing novel statistical models, Bayesian analysis and MCMC-based computation techniques to analyze gene-expression microarray data.

The project will be jointly supervised by Prof. Bani Mallick (Statistics), Prof. Raymond Carroll (Statistics), Prof. Edward Dougherty (Electrical Engineering) and Dr. Michael Bittner (Biology, TGen). The candidate will work closely with biologists from Translational Genomics Research Institute (TGen).

Preference will be given to applicants with strong skills in signal processing, mathematical statistics, modeling and high-level computation techniques. This opportunity is available immediately and applications will be reviewed until the position is filled.

Interested applicants should mail, fax or e-mail a CV, any original publication or technical reports, and three reference letters to:

Prof. Bani K. Mallick
Department of Statistics, TAMU 3143
Texas A&M University
College station, TX 77843-3143
email: bmallick@stat.tamu.edu
Fax:979-845-3144

AA/EOE

42 · IMS Bulletin Volume 34 · Issue 8

USA: Texas

Faculty Positions Department of Statistics Texas A&M University

The Department of Statistics at Texas A&M University anticipates multiple tenure track openings starting 9/06. Rank and salary are open. A PhD/DSc degree or the completion of all requirements for the degree prior to beginning employment is required. Successful candidates are expected to have a strong commitment to research and teaching. The department has a strong tradition of theoretical and interdisciplinary research. Current faculty members actively collaborate with members of other colleges, including Science, Agriculture and Life Sciences, Engineering, Geosciences, Veterinary Medicine, Medicine, Public Health, as well as the Faculties of Genetics, Nutrition and Toxicology. Excellent computing facilities are available and highly competitive startup funding is anticipated.

Texas A&M University is an equal opportunity employer. The University is dedicated to the goal of building a culturally diverse and pluralistic faculty and staff committed to teaching and working in a multicultural environment and strongly encourages applications from women, minorities, individuals with disabilities and veterans.

Through an aggressive reinvestment plan Texas A&M University will increase the faculty by 20% over the next few years. These additional faculty positions allow the University to be responsive to the needs of dual career couples.

The Department of Statistics is especially interested in candidates who can contribute to the diversity and excellence of the academic community through their research, teaching and/or service.

Faculty Search Committee

Department of Statistics

Texas A&M University

3143 TAMU

College Station, TX 77843-3143

Evaluation of applications will begin December 1, 2005. Applications will continue to be accepted until the positions are filled.

For more information on our department and the research interests of our faculty, please visit our web site: http://stat.tamu.edu

USA: Washington

University of Washington, Seattle, WA

The Center for Statistics and the Social Sciences (CSSS) invites applications for a tenure-track Assistant, Associate, or Full Professor. The position will be joint between the Department of Statistics and a social science department (such as Anthropology, Economics, Geography, Nursing, Political Science, Public Affairs, or Sociology). CSSS is an interdisciplinary center that fosters collaborative research between statistics and social sciences (http://www.csss.washington.edu).

We seek a faculty member contributing at the cutting edge to the development of statistical methodology relevant to the social sciences. Duties include new course development, teaching, and methodological and collaborative research. Ph.D. required by date of appointment. Send CV, three letters of recommendation and a cover letter stating your methodological research interests in the social sciences to:

Nick Ganoulis, Administrator,

CSSS,

Box 354320,

University of Washington,

Seattle, WA 98195-4320.

Priority will be given to applications received by December 1, 2005.

The University of Washington is building a culturally diverse faculty and strongly encourages applications from women and minority candidates. AA/EOE.

USA: Wisconsin

University of Wisconsin - Madison

Tenure-track assistant professor position in UW-Madison Statistics Department, with interest in theory and methodology research, beginning Fall 2006. PhD in Statistics or closely related quantitative field at time of appointment required. Responsibilities include training graduate students.

See http://www.stat.wisc.edu

Send letter of application, resume, research summary, and three reference letters to:

Hiring Committee,

Statistics Department,

UW-Madison,

1300 University Avenue,

Madison, WI 53706.

Deadline: December 16, 2005. University of Wisconsin is an

AA/EOE. Women and minorities encouraged to apply.

LECTURE NOTES – MONOGRAPH SERIES



LNMS 46

Stein's Method:

Expository Lectures and Applications

Persi Diaconis and Susan Holmes, Editors

Stein's method is one of the most powerful tools for proving limit theorems with sharp, explicit errors for complex dependent problems. It is curiously hard to grasp how and why it works since it avoids both characteristic functions and higher moments.

This book consists of tutorial and survey papers aimed at teaching Stein's method to non specialists. The book provides a self contained development with motivation and full proofs. As a unifying theme, all papers use Stein's approach of exchangeable pairs. In addition to the usual Poisson and Normal approximations the book gives applications to convergence of Markov chains on finite state spaces, to birth and death chains and to empirical process convergence for the bootstrap.

One novel feature is the development of Stein's method as an adjunct to simulation via Monte Carlo. Usually, the identities underlying the method give an explicit error term which is bounded. With the present version using exchangeable pairs, the error is given as an explicit expectation for the reversible Markov chain. It can thus be easily simulated to give improvements to classical approximations.

The authors of various chapters, Persi Diaconis, Jason Fulman, Gesine Reinert, Susan Holmes, Mark Huber and Charles Stein have used common notation and worked together to achieve a unified treatment.

Price US\$35

IMS Member Price US\$21 Order online: http://www.imstat.org/orders

Or send payment (Mastercard/Visa/American Express/Discover, or check, payable on a US bank in US funds):

Institute of Mathematical Statistics, Dues and Subscriptions Office, 9650 Rockville Pike, Suite L2310, Bethesda MD 20814-3998, USA Tel: (301) 530-7029 Fax: (301) 571-5728 Email: staff@imstat.org

44 • IMS Bulletin Volume 34 • Issue 8

International Calendar of Statistical Events

IMS meetings are highlighted in maroon with the ims logo and new or updated entries have the 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 2005

October 3-7: Bern, Switzerland. Stochastic Geometry and its Applications. w http://www.cx.unibe.ch/~ilya/wbec

October 6–8: University of Firenze (Florence), Italy. New Mathematical Methods In Risk Theory: Workshop In Honour Of Hans Bühlmann. w http://www.riskworkshop.it/

October 20-22: Northwestern University, Evanston, Illinois. Twenty-Seventh Midwest Probability Colloquium. Mark Pinsky pinsky@math.northwestern.edu w http://www.math.northwestern.edu/mwp/

November 2005

November 10–13: University of Florida, Gainesville, FL. Conference on Martingale, Potential Theory and Stochastic Analysis. Contact Dr Liqing e Yan yan@math.ufl.edu w http://www.math.ufl.edu/~sam/payr/

New York University. 4th Northeast Probability Seminar w http://www.math.csi.cuny.edu/probability/NortheastProbabilitySeminar

December 2005

December 19-20: University of Copenhagen. Third TN Thiele Symposium on Stochastic Volatility. w http://www.math.ku.dk/~michael/thiele3/

December 27–31: Petaling Jaya, Malaysia. Statistics in the Technological Age. Organized by the Institute of Mathematical Sciences, University of Malaya, Kuala Lumpur, Malaysia. Contact Ramesh Gupta rcgupta@maine.maine.edu or S H Ong ongsh@um.edu.my w http://iscm.math.um.edu.my

December 28-30: Bangalore, India. 25th Annual Conference of the Indian Society for Probability and Statistics (ISPS). Jointly organized by Bangalore University and the Indian Statistical Institute. Organizing Secretary: H J Vaman e isps_conf2005@yahoo.co.in

January 2006

January 13-14: Gainesville,
Florida. University of Florida Eighth
Annual Winter Workshop on Frontiers of
Theoretical Statistics. e carol@stat.ufl.edu
w http://www.stat.ufl.edu/symposium/2006/
theory/index.html

January 16–18: Honolulu, Hawaii. Fifth Annual Hawaii International Conference on Statistics, Mathematics and Related Fields. Andrew Burge, Conference Coordinator. **t** 808-946-9927 **f** 808-947-2420 **e** statistics@hicstatistics.org **w** http://www.hicstatistics.org

February 2006

February 15–16: Santa Monica, CA. First Annual Conference on Quantitative Methods and Statistical Applications in Defense and National Security. Contact Technical Program Chair Lara Schmidt Lara_Schmidt@rand.org w http://www.rand. org/events/nsm2006.html

March 2006

Frankfurt/Main, Germany. German Open Conference on Probability and Statistics. w http://stoch2006.math.uni-frankfurt. de/index en.html

ENAR/IMS Spring Meeting. IMS Program Chair TBA. w http://www.enar.org/meetings.htm

UPDATED ► March 20-24: CIMAT,

Guanajuato, Mexico. Conference on Stochastics in Science, in honor of Ole E Barndorff-Nielsen's 71st Birthday. Further information pabreu@cimat.mx w http:// www.cimat.mx/Eventos/oebn-conference

March 23–25: University of Goettingen, Germany. Workshop on Statistical Inverse Problems. Heike Ahrens **t** ++49-(0)551/39-4523 **e** gk1023@math.uni-goettingen.de **w** http://www.num.math.uni-goettingen.de/gk/ conference/conferences.php?LANG=EN

March 29–31: San Diego,
California. Salford Systems Data Mining 2006 Conferences. w http://www.salforddatamining.com/2006lnfoRequest.php

April 2006

April 5: Southampton Statistical Sciences Research Institute Southampton, UK. Analysis of Panel Data: short course preceding symposium on the Convergence of Methods for the Analysis of Panel Data. Contact Peter Smith e panel@s3ri.soton. ac.uk w http://www.s3ri.soton.ac.uk/events/seminars/index.php

April 6–7: Southampton, UK. Convergence of Methods for the Analysis of Panel Data. Contact Peter Smith e panel@s3ri.soton.ac.uk w http://www.s3ri.soton.ac.uk/events/seminars/index.php

April 19–21: Ghent, Belgium.
Second International Meeting Methodological Issues in Oral Health Research:
Assessing and Improving Data Quality. whitp://med.kuleuven.be/biostat/conferences/Dental2006/

May 2006

May 17–19: Cork, Ireland. Annual meeting of the Irish Statistical Association. Local organiser: Kingshuk Roy Choudhury, University College Cork, Ireland. e kingshuk@stat.ucc.ie

Workshop on Frontiers of Statistics. IMS
Reps: Jianqing Fan, Luisa Fernholz, Hira
Koul. w http://www.orfe.princeton.edu/conferences/frontiers/index.htm

May 24–27, 2006: Pasadena, California. Interface 2006: Massive Data Sets and Streams. Amy Braverman **e** Amy. Braverman@jpl.nasa.gov **w** http://www.galaxy.gmu.edu/Interface2006/i2006webpage.html

May 28–31: London, Ontario. 2006
Annual Meeting of the Statistical Society
of Canada. Local Arrangements Chair,
David Bellhouse: Dept of Statistical &
Actuarial Sciences, Western Science Centre,
U of Western Ontario, London, Ontario,
Canada, N6A 5B7, e bellhouse@stats.uwo.
ca t (519) 661-3614 f (519) 661-3813.
Scientific program chair Richard Lockhart e
lockhart@sfu.ca

NEW May 29–31: Limassol,
Cyprus. Statistical Models for Biomedical and Technical Systems. IMS Rep:
Filia Vonta, University of Cyprus. t (357)
22892625 f (357) 22892601 e biostat2006@
ucy.ac.cy w http://www.ucy.ac.cy/biostat2006

June 2006

June 1-7: Benidorm, Spain. Valencia/ISBA 8th World Meeting on Bayesian Statistics. Join the Valencia 8 mailing list: e valenciameeting@uv.es w http://www.uv.es/valenciameeting

June 5–9: Smolenice Castle, Slovak Republic. PROBASTAT 2006: Fifth International Conference on Probability and Statistics. PROBASTAT 2006, Institute of Measurement Science, Slovak Academy of Sciences, Dubravska cesta 9, 841 04 BRATISLAVA, Slovak Republic. e probastat@savba.sk w http://aiolos.um.savba.sk/~viktor/probastat. html

June 6–8: Sydney, Australia.
Salford Systems Data Mining 2006 Conferences. w http://www.salforddatamining.com/2006InfoRequest.php

University, University Park, PA. Statistical Challenges in Modern Astronomy IV. IMS Rep: G Jogesh Babu e babu@stat.psu.edu w

http://astrostatistics.psu.edu

June 14–17: University of Connecticut, Storrs, CT. ICSA 2006 Applied Statistics Symposium. Prof Ming-Hui Chen, Department of Statistics, University of Connecticut, e mhchen@stat.uconn.edu w http://www.icsa.org

June 19–24: University of Illinois at Urbana-Champaign. Conference on Stochastic Networks. Chair: PR Kumar. w http://www.comm.csl.uiuc.edu/~srikant/stochnet.htm

June 25–30: Vilnius, Lithuania. 9th International Vilnius Conference on Probability Theory and Mathematical Statistics. Aleksandras Plikusas e conf@ktl.mii.lt w http://www.science.mii.lt/vilconf9/

June 26–29: Prague, Czech Republic. S4G (Stereology, Spatial Statistics, Stochastic Geometry): 6th International Conference. Viktor Benes **e** benesv@karlin.mff.cuni.cz or Radka Juzkova **e** radka.juzkova@svses.cz. **w** http://www.karlin.mff.cuni.cz/s4g/

June 26 - July 7: Ithaca, NY. Probability Summer School. Details to follow.

July 2006

July 2–7: Salvador (Bahia), Brazil. ICOTS-7: Working Cooperatively in Statistics Education. Contact Carmen Batanero **e** batanero@ugr.es **w** http://www.maths.otago.ac.nz/icots7

July 3–6: Auckland, New Zealand.

Australian Statistics Conference & New

Zealand Statistical Association Conference.

David Scott e d.scott@auckland.ac.nz

46 • IMS Bulletin Volume 34 · Issue 8

International Calendar continued

July 16-21: Montreal, Quebec, Canada. XXIII International Biometric Conference (IBC2006). w http://www.ibc2006.org

Stochastic Processes and Applications XXXI. IMS reps: E Perkins, J Pitman, P Protter, A Sznitman, S Tavare and E Waymire. w http://www.proba.jussieu.fr/pageperso/spao6/index.html

July 24–28: Toruń, Poland. 26th European Meeting of Statisticians. e ems2006@umk.pl w http://www.ems2006.umk.pl

de Janeiro, Brazil. IMS Annual Meeting and XEBP Brazilian School of Probability meeting. At the Instituto Nacional de Matemática Pura e Aplicada (IMPA) in Rio de Janeiro. Program Chairs: Robert Adler and Steve Lalley (Probability); Sara van de Geer and Guenther Walther (Statistics); Local Chair: Maria Eulália Vares, CBPF w http://www.imstat.org/meetings/IMS2006/

August 2006

Ims August 6–10: Washington, Seattle. JSM2006. w http://www.amstat.org/meetings/jsm/2006

August 21-25: Prague, Czech Republic. Prague Stochastics 2006: joint session of the 7th Prague Symposium on Asymptotic Statistics and the 15th Prague Conference on Information Theory, Statistical Decision Functions and Random Processes. Zuzana Prášková e praskova@karlin.mff.cuni.cz w http://www.utia.cas.cz/pragstocho6

August 28 – September 1: Rome, Italy.

COMPSTAT2006: 17th Conference of the International Association for Statistical Computing. w http://w3.uniroma1.it/compstat2006 e compstat2006@uniroma1.it

April 2007

Ims April 15–18: Miami, FL. 2007 ENAR/ IMS Spring Meeting. IMS Program Chair TBA. w http://www.enar.org/meetings.htm

June 2007

June 9–13, 2007: St John's, Newfoundland. 35th Annual Meeting of the Statistical Society of Canada. Local Arrangements Chair: Brajendra Sutradhar e bsutradh@math.mun.ca t (709) 737-8731 f (709) 737-8731

July 2007

L_{ims} July 29 – August 2: Salt Lake City, Utah. IMS Annual Meeting at JSM2007

July 2008

July 20–26: Singapore. IMS Annual Meeting with Bernoulli World Congress. Details to follow.

August 2008

ims August 3–8: Denver, Colorado. JSM2008.

August 2009

Annual Meeting at JSM2009

August 2010

Columbia, Canada. JSM2010.

July 2011

July 31 – August 4: Miami Beach, Florida. JSM2011.



Membership and Subscription Information

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

Individual and Organizational Memberships: Each individual member receives the IMS Bulletin and may elect to receive one or more of the four scientific journals. Members pay annual dues of \$75. An additional amount is added to the dues of members depending on the scientific journal selected as follows: Statistical Science (\$15), The Annals of Statistics (\$30), The Annals of Probability (\$30), and The Annals of Applied Probability (\$20). Of the total dues paid, \$29 is allocated to the Bulletin and the remaining amount is allocated among the scientific journals received. Reduced membership dues are available to full-time students, new graduates, permanent residents of countries designated by the IMS Council, and retired members. Organizational memberships are available to institutions at \$650 per year and to corporations at \$850 per year. Organizational memberships include two multiple-readership copies of all IMS journals in addition to other benefits specified for each category (details available from the IMS Business Office).

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 2005 are available to *The Annals of Applied Probability* (\$105), *The Annals of Probability* (\$110), *The Annals of Statistics* (\$115), *IMS Bulletin* (\$60), and *Statistical Science* (\$100). General subscriptions are for libraries, institutions, and any multiple-readership use. General subscriptions for 2005 are available to *The Annals of Applied Probability* (\$150), *The Annals of Probability* (\$240), *The Annals of Statistics* (\$240), *IMS Bulletin* (\$60), and *Statistical Science* (\$130). Airmail rates for delivery outside North America are \$80 per title (excluding *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 ten 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 L2407A, Bethesda, MD 20814-3998.

Copyright © 2005 by the Institute of Mathematical Statistics.

Printed by The Sheridan Press, 450 Fame Avenue, Hanover, PA 17331, USA.

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 10 times per year. Circulation is 4,623 paper copies (January 2005); the *Bulletin* is also available free online in PDF format at www.imstat.org/bulletin; it is usually posted online about two weeks before mailout. Subscription to the *IMS Bulletin* costs \$60. To subscribe, call (301) 634 7029 or email staff@imstat. org. The IMS website, www.imstat.org, established in 1996, receives over 30,000 visits per month (31,338 in January 2005). Public access is free.

Advertising rates and requirements

Ad rates include copy in *IMS Bulletin* and on IMS web page (same price for placing ad in one medium). Ads will be posted on the web site within 7-10 days of receipt. See below for *Bulletin* deadlines.

We accept two kinds of adverts: camera-ready and text. Camera-ready ads should be sent as grayscale PDF with all fonts embedded. Text ads can be sent as a Word or plain text attachment, or in the body of an email. If you want a logo or other graphic to be included with your text ad, please send it separately as a grayscale 300 dpi TIFF. Please ask if you need help with these formats.

	size: width x height (camera ready/PDF)	words (text ads)	rate
Single Paragraph	N/A	0-100	\$100
⅓ Page	4.93" x 4" (125.2 x 102 mm)	101-200	\$175
1/2 Page	7.5" X 4" (190 X 102 mm)	201-300	\$225
⅔ Page	4.93" x 8" (125.2 x 203 mm)	301-450	\$275
Full Page	7.5" x 8" (190 mm x 203 mm)	451-600	\$325

Email your advert to Elyse Gustafson, IMS Executive Director, erg@imstat.org who will arrange for it to be placed in the *Bulletin* and on the website.

Deadlines and Mail Dates for IMS Bulletin

Issu	e	Deadline for Advertisement	Online by	Scheduled Mail Date
1:	January/February	December 1	December 15	January 1
2:	March	February 1	February 15	March 1
3:	April	March 1	March 15	April 1
4:	May	April 1	April 15	May 1
5:	June	May 1	May 15	June 1
6:	July	June 1	June 15	July 1
7:	August/September	July 1	July 15	August 1
8:	October	September 1	September 15	October 1
9:	November	October 1	October 15	November 1
10:	December	November 1	November 15	December 1

next issue

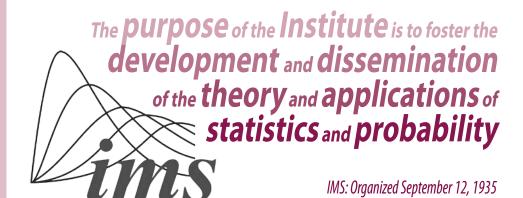
November 2005

More meeting reports, as well as news of members around the world, meeting announcements and job opportunities.

Send in your articles, feedback, letters...

DEADLINE submissions October 1, 2005

Please see inside the back cover for subscription details and information for advertisers, including all our deadlines and requirements



JSM Seattle: August 6-10, 2006

JSM (the Joint Statistical Meetings) is the largest gathering of statisticians held in North America. It is held jointly with the American Statistical Association, the International Biometric Society (ENAR and WNAR), the Institute of Mathematical Statistics,



and the Statistical Society of Canada. Attended by over 5000 people, activities of the meeting include oral presentations, panel sessions, poster presentations, continuing education courses, exhibit hall, career placement service, society and section business meetings, committee meetings, social activities, and networking opportunities.

Seattle is the host city for JSM 2006 and offers a wide range of possibilities for sharing time with friends and colleagues. For information, contact jsm@amstat.org or phone toll-free (800) 308-8943. Check out http://www.seeseattle.org for more information.

