



## 2008 Catalog of Publications

This catalog includes publications copyrighted by the following non-profit scholarly organizations: ***Bernoulli Society for Mathematical Statistics & Probability, Institut Henri Poincaré and the Institute of Mathematical Statistics.***

Subscriptions are sold on a calendar-year basis only and include all issues of the current volume. Prices are for print, electronic or both unless otherwise noted. Single issues are available after publication at back-issue prices. Subscriptions for 2008 will be accepted through December 31, 2008.

### JOURNALS

<i>Annales de l'Institut Henri Poincaré (B) Probabilités et Statistiques</i> (Volume 44, 2008, ISSN 0246-0203) .....	\$325
Published in February, April, June, August, October, and December	
<i>The Annals of Applied Probability</i> (Volume 18, 2008, ISSN 1050-5164).....	\$275
Published in February, April, June, August, October, and December	
<i>The Annals of Probability</i> (Volume 36, 2008, ISSN 0091-1798).....	\$296
Published in January, March, May, July, September and November	
<i>The Annals of Applied Statistics</i> (Volume 2, 2008, ISSN 1932-6157) .....	\$195
Published in March, June, September and December	
<i>The Annals of Statistics</i> (Volume 36, 2008, ISSN 0090-5364) .....	\$296
Published in February, April, June, August, October, and December	
<i>Bernoulli</i> (Volume 14, 2008, ISSN 1350-7265).....	\$425
Published in February, May, August, and November	
<i>Statistical Science</i> (Volume 23, 2008, ISSN 0883-4237).....	\$164
Published in February, May, August, and November	

### JOURNAL DISCOUNTS

#### ALL JOURNAL COLLECTION

Order all journals and receive **15% off** subscription rates .....\$1,680  
 Receive one print copy plus electronic access\* for all journals listed under "Journals" above.

#### ELECTRONIC ONLY COLLECTION

Order electronic access only to all journals and receive **25% off** subscription rates.....\$1,480  
 Receive electronic access\* for all journals listed under "Journals" above. No print copies will be sent.

### CO-SPONSORED JOURNALS

<i>Journal of Computational and Graphical Statistics</i> (Volume 17, 2008, ISSN 1061-8600) .....	\$225
Published in March, June, September, and December	

The following subscriptions are for print only. Each of these are open access journals. Electronic access is available to all at [www.imstat.org](http://www.imstat.org)  
 All volumes will be published in January 2009.

<i>Electronic Journal of Statistics</i> , (Volume 2, 2008, ISSN 1935-7524).....	\$ 65
<i>Probability Surveys</i> , (Volume 5, 2008, ISSN 1549-5787) .....	\$ 65
<i>Statistics Surveys</i> , (Volume 2, 2008, ISSN 1935-7516) .....	\$ 65

### NEWSLETTERS

<i>The IMS Bulletin</i> (Volume 37, 2008, ISSN 0146-3942).....	\$ 82
Published in January/February, March, April, May, June, July, August/September, October, November and December	
<i>Bernoulli News</i> (Volume 15, 2008, ISSN 1360-6727) .....	\$ 30
Published in May and November	

### AIR MAIL SERVICE

All journal pricing includes ground shipment. Airmail service available for an additional fee per journal title .....\$ 95

### ELECTRONIC ACCESS DETAILS

Electronic access available via <http://projecteuclid.org>. Submit IP addresses with your 2008 subscription order. One subscription required per site/location. (Each branch, office, campus or laboratory is a different site.) Access will be activated in January 2008 for new subscribers. For orders received after that date, allow 2-3 weeks for activation.

## IMS LECTURE NOTES – MONOGRAPH SERIES

- Volume 1 - *Essays on the Prediction Process*** by Frank B. Knight (ISBN 0-94-0600-00-5).....\$15  
Four essays on various aspects of continuous-time random processes present an approach that provides broad unification of concepts and wide applicability of results.
- Volume 2 - *Survival Analysis*** by John Crowley & Richard A. Johnson (ISBN 0-94-0600-02-1) .....\$25  
Proceedings of the Special Topics Meeting sponsored by the Institute, held in Columbus, Ohio, October 1981. This was an interdisciplinary conference of researchers interested in the analysis of life length from both reliability and biomedical points of view.
- Volume 3 - *Empirical Processes*** by Peter Gaenssler (ISBN 0-94-0600-03-X) .....\$20  
This monograph presents a thorough and detailed description of the topics in the area of empirical processes. Several portions of the material are new and high-quality research that should be of interest to researchers and graduate students in probability, statistics, and mathematics.
- Volume 4 - *Zonal Polynomials*** by Akimichi Takemura (ISBN 0-94-0600-05-6) .....\$15  
This simplified and self-contained development of zonal polynomials uses only the standard tools of multivariate normal distribution theory and linear algebra. Zonal polynomials are widely used in evaluating the power of statistical tests in the field of multivariate analysis.
- Volume 5 - *Inequalities in Statistics and Probability*** by Y.L. Tong (ISBN 0-94-0600-04-8).....\$25  
Proceedings of the Symposium on Inequalities in Statistics and Probability, held in Lincoln, Nebraska, October 1982. This volume contains 30 research and expository papers, some of them concentrating on models in fields of application in which inequalities are of particular value since exact results are not available.
- Volume 6 - *The Likelihood Principle*** by James O. Berger & Robert L. Wolpert (ISBN 0-94-0600-13-7) .....\$25  
This monograph presents a discussion and generalization of the likelihood principle and examines its implications for statistical inference.
- Volume 7 - *Approximate Computation of Expectations*** by Charles Stein (ISBN 0-94-060008-0).....\$20  
This monograph presents an abstract approach to the approximate computation of expectations.
- Volume 8 - *Adaptive Statistical Procedures and Related Topics*** edited by John Van Ryzin (ISBN -0-4-0600-09-9) .....\$40  
Proceedings of the Symposium on Adaptive Statistical Procedures and Related Topics, held at Brookhaven National Laboratory, June 1985.
- Volume 9 - *Fundamentals of Statistical Exponential Families*** by Lawrence D. Brown (ISBN 0-94-0600-10-2).....\$25  
This monograph presents a systematic treatment of the analytical and probabilistic properties of exponential families.
- Volume 10 - *Differential Geometry in Statistical Inference*** by S.I. Amari, O.E. Barndorff-Nielsen, R.E. Kass, S.L. Lauritzen, & C. R. Rao (ISBN 0-94-0600-12-9) .....\$25  
The papers collected in this volume present, in a concise yet comprehensive form, several major developments in research on differential geometry in statistics.
- Volume 11 - *Group Representations in Probability and Statistics*** by Persi W. Diaconis (ISBN 0-94-0600-14-5).....\$30  
These expanded lecture notes delve into the uses of group theory, particularly non-communicative Fourier analysis, in probability and statistics.
- Volume 12 - *An Introduction to Continuity, Extrema, and Related Topics for General Gaussian Processes*** by Robert J. Adler (ISBN 0-94-0600-17).....\$25  
This monograph provides a general and abstract introduction to the theory of sample path properties of Gaussian processes based on concepts such as entropy and majorising measures.
- Volume 13 - *Small Sample Asymptotics*** by Christopher A. Field & Elvezio Ronchetti (ISBN 0-94-0600-18-8) .....\$25  
This monograph provides coherent development of the ideas and techniques of small sample asymptotics. The authors aim to obtain asymptotic expansions which give accurate results for small sample sizes  $n$ , even down to  $n=1$ .
- Volume 14 - *Invariant Measures on Groups and Their Use in Statistics*** by Robert A. Wijsman (ISBN 0-94-0600-19-6).....\$30  
A discussion of distributions in statistical models with groups of invariance transformations.
- Volume 15 - *Analytic Statistical Models*** by Ib M. Skovgaard (ISBN 0-94-0600-20-X) .....\$25  
An introduction to analytic statistical models.
- Volume 16 - *Topics in Statistical Dependence*** by H.W. Block, A.R. Sampson, & T.H.Savits (ISBN 0-94-0600-23-4) .....\$45  
Proceedings of the Symposium on Dependence in Probability and Statistics, held in Somerset, Pennsylvania, August 1987.
- Volume 17 - *Current Issues in Statistical Inference: Essays in Honor of D. Basu*** by M. Ghosh & P.K. Pathak (ISBN 0-94-0600-24-2) .....\$25  
A festschrift volume dedicated to D. Basu on the occasion of his 65th birthday. Narrative papers by friends and colleagues review areas of statistics that interested Basu most during his active career.
- Volume 18 - *Selected Proceedings of the Sheffield Symposium on Applied Probability*** by I.V. Basawa & R.L.Taylor (ISBN 0-94-0600-25-0).....\$15  
Proceedings of the Symposium on Applied Probability, held in Sheffield, August 1989.

- Volume 19 - *Stochastic Orders and Decision Under Risk*** by K. Mosler & M. Scarsini (ISBN 0-94-0600-26-9).....\$30  
A selection of papers presented at the International Workshop on Stochastic Orders and Decision Under Risk, held in Hamburg, May 1989.
- Volume 20 - *Spatial Statistics and Imaging*** edited by A. Possolo (ISBN 0-94-0600-27-7).....\$35  
Proceedings of the Joint IMS-ASA-SIAM Summer Research Conference on Spatial Statistics and Imaging, held in Brunswick, Maine, June 1988.
- Volume 21 - *Weighted Empirical and Linear Models*** by Hira L. Koul (ISBN 0-94-0600-28-5).....\$30  
This monograph explores the usefulness of weighted empirical processes in studying linear regression and autoregression models.
- Volume 22 - *Stochastic Inequalities*** edited by Moshe Shaked and Y.L. Tong (ISBN 0-94-0600-29-3).....\$40  
This volume is a collection of papers based on the lectures given at the joint IMS-ASA-SIAM Summer Research Conference on Stochastic Inequalities, July 1991.
- Volume 23 - *Change-point Problems*** edited by H. G. Mueller and D. Siegmund (ISBN 0-94-0600-34-X).....\$45  
Based on the AMS-IMS-SIAM Summer Research Conference on "Change-point Problems" at Mount Holyoke College, this volume contains 28 papers covering a wide range of change-point problems and theory.
- Volume 24 - *Multivariate Analysis and Its Applications*** edited by T. W. Anderson, K. T. Fang and I. Olkin (ISBN 0-94-0600-35-8).....\$45  
This volume, based on an International Symposium held at Hong Kong Baptist College in 1992, presents work of many major figures in the theory of Multivariate Analysis and Highlights important recent trends in applications.
- Volume 25 - *Adaptive Designs*** edited by Nancy Flournoy and William F. Rosenberger (ISBN 0-94-0600-36-6).....\$40  
This volume contains 20 papers whose topics include two-arm clinical trials, adaptive dose-response designs for quantile estimation and maximizing survival in the presence of opposing hazard functions, linear models, multinomial models, quality control and group testing.
- Volume 26 - *Stochastic Differential Equations in Infinite Dimensional Spaces*** by G. Kallianpur and J. Xiong (ISBN 0-94-0600-38-2).....\$40  
This volume is an expanded version of the 1993 Barrett Lectures delivered by Professor Gopinath Kallianpur at the University of Tennessee, Knoxville.
- Volume 27 - *Analysis of Censored Data*** edited by H.L. Koul and J. V. Deshpande (ISBN 0-94-0600-39-0).....\$30  
This volume contains papers that discuss the consistency of the posterior distributions under nonparametric setting, efficient estimation under interval censoring and use of graphic methods in analyzing randomly censored data, from an international Workshop On Analysis of Censored Data that was held in Pune, India.
- Volume 28 - *Distributions with Fixed Marginals and Related Topics*** edited by Ludger Ruschendorf, Berthold Schweizer, and Michael D. Taylor (ISBN 0-94-0600-40-4).....\$52  
These are the proceedings of the conference on "Distributions with Fixed Marginals, Doubly Stochastic Measures, and Markov Operators" held August 1-5, 1993, at the University of Washington in Seattle under the auspices of the AMS, IMS, and SIAM. This conference was the sequel to an earlier "Symposium on Distributions with Given Marginals (Frechet Classes)" held in Rome in 1990 and organized by the Department of Statistics of the University La Sapienza, Rome, Italy.
- Volume 29 - *Bayesian Robustness*** edited by J.O. Berger, B. Betro, E. Moreno, L.R. Pericchi, F. Ruggeri, G. Salinetti, and L. Wasserman (ISBN 0-94-0600-41-2).....\$49  
This volume contains the Proceedings of the Second International Workshop on Bayesian Robustness held in Rimini, Italy, from May 22-25, 1995. With fourteen invited papers (with discussion) and seven contributed papers, all refereed, this volume spans a variety of topics including the latest theoretical developments, methodology and applications. Among the topics are: hierarchical models, model selection, clinical trials, large sample theory, time series, and speech and audio signal analysis, all treated in the context of robustness.
- Volume 30 - *Statistics, Probability and Game Theory, Papers in Honor of David Blackwell*** edited by T.S. Ferguson, L.S. Shapley, and J.B. MacQueen (ISBN 0-94-0600-42-0).....\$54  
This volume has been created to honor Professor David Blackwell of the University of California at Berkeley by his students, colleagues, friends and admirers. Most of the papers of this volume are on topics connected with areas in which Blackwell has played a major role.
- Volume 31 - *L1-Statistical Procedures and Related Topics*** edited by Yadolah Dodge (ISBN 0-94-0600-43-9).....\$69  
This volume contains papers that discuss recent developments in many fields of statistical data analysis using the L1 methods, from an International Conference based on the L1 Norm and Related Methods that was held in Neuchatel, Switzerland, from August 11-15, 1997.
- Volume 32 - *Selected Proceedings of the Symposium on Estimating Functions*** edited by I.V. Basawa, V.P. Godambe, and R.L. Taylor (ISBN 0-94-0600-44-7).....\$69  
This volume contains selected papers from the Symposium on Estimating Functions which was held at the University of Georgia from March 21, 1996 to March 23, 1996.
- Volume 33 - *Statistics in Molecular Biology and Genetics*** edited by F. Seillier-Moiseiwitsch (ISBN 0-94-0600-47-1).....\$45  
This volume contains selected papers presented at the Joint Summer Research Conference in the Mathematical Sciences on this topic held at the University of Washington in Seattle, from June 22 to June 26, 1997, under the auspices of the IMS, AMS, and SIAM.

- Volume 34** - *New Developments and Applications in Experimental Design* edited by Nancy Flournoy, William F. Rosenberger, and Weng Kee Wong (ISBN 0-94-0600-46-3) .....\$35  
Selected Proceedings of a 1997 Joint AMS-IMS-SIAM Summer Conference.
- Volume 35** - *Game Theory, Optimal Stopping, Probability and Statistics* edited by F. Thomas Bruss & Lucien Le (ISBN 0-94-0600-48-X) .....\$66  
This volume in honor of Prof. T. S. Ferguson of UCLA consists of papers in game theory, optimal stopping and “decision oriented” probability and statistics. All papers were referred.
- Volume 36** – *Start of the Art in Probability & Statistics Festschrift for Willem R. van Zwet* edited by Mathisca de Gunst, Chris Klaassen & Aad van der Vaart (ISBN 0-94-0600-50-1).....\$120  
The Volume contains the proceedings of the symposium that was held on the same occasion, in Leiden, March 23-26, 1999, plus thirteen other papers, giving a total of 33 papers, reflecting Willem’s broad interest.
- Volume 37** - *Selected Proceedings of the Symposium on Inference for Stochastic Processes*, (ISBN 0-940600-51-X) Edited by: I.V. Basawa, C. C. Heyde and R. L. Taylor. (ISBN 0-940600-51-X).....\$49  
Selected proceedings of a symposium held in May 2000 at the University of Georgia, Athens, Georgia.
- Volume 38** – *Model Selection*, P. Lahiri, Editor (ISBN 0-940600-52-8). This special volume contains four long review papers on model selection written by (i) C. R. Rao and Y. Wu; (ii) H. Chipman, E. I. George and R. E. McCulloch; (iii) J. O. Berger and L. R. Pericchi; and (iv) B. Efron .....\$40
- Volume 39** – *R. R. Bahadur’s Lectures on the Theory of Estimation*, S. M. Stigler, W. H. Wong and D. Xu, Editors. (ISBN 0-940600-53-6)  
The ten weeks’ lectures began with a review of the geometry of L2 function spaces and covered Bayes estimates, unbiased estimation, Fisher information, Cramer-Rao bounds, and the theory of maximum likelihood estimation .....\$25
- Volume 40** – *Science and Statistics: A Festschrift for Terry Speed*, Darlene R. Goldstein, Editor. (ISBN 0-94-0600-56-0) .....\$66  
This special volume has been compiled to honor Terry Speed, whose intellectual curiosity and enthusiasm, along with deep and very broad subject matter knowledge and expertise, have been highly influential in the statistical community.
- Volume 41** – *Probability, Statistics and their Applications, Papers in Honor of Rabi Bhattacharya*, Krishna Athreya, Mukul Majumdar, Madan Puri and Edward Waymire, Editors (ISBN 0-94-0600-55-2).....\$40  
This volume honoring Professor Rabi Bhattacharya contains research contributions to a broad range of topics from a distinguished group of probabilists and statisticians.
- Volume 42** – *Mathematical Statistics and Applications: Festschrift for Constance van Eeden*, Marc Moore, Sorana Froda and Christian Leger, Editors (ISBN 940600-57-9) .....\$54  
The 28 papers included in this volume cover a wide range of topics reflecting the broad interests and statistical culture of Constance van Eeden.
- Volume 43** -*Crossing Boundaries: Statistical Essays in Honor of Jack Hall*, John E. Kolassa and David Oakes, Editors. (ISBN 0-940600-58-7) .....\$35  
The manuscripts in this volume represent some of the research presented at *The Symposium in Honor of the 70th Birthday of W. Jackson Hall* held on September 25-26, 1999, at the University of Rochester in Rochester, New York.
- Volume 44** -*The First Erich L. Lehmann Symposium-Optimality* Javier Rojo and Victor Perez-Abreu, Editors (ISBN 0-940600-59-5) .....\$35  
The goal of this series of symposia is to examine the role that optimality can play, or should play, in modern statistics. The articles presented here are a subset of all the papers presented during the first Symposium
- Volume 45**-*A Festschrift in Honor of Herman Rubin*, Anirban DasGupta, Editor (ISBN 0-940600-61-7) .....\$73  
Original papers on innovative new methodological articles on cluster analysis, goodness of fit, likelihood inference, classification algorithms, and meta analysis. On the purely theoretical side, there are a number of comprehensive review articles on fractional Brownian motion, stochastic integration, de Finetti theorems, admissibility, and estimation under constraints.
- Volume 46**-*Stein’s Method: Expository Lectures and Applications*, Persi Diaconis, Susan Holmes, Editors (ISBN 0-940600-62-5).....\$35  
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 high moments. This book consists of tutorial and survey papers aimed at teaching Stein’s method to non specialists.
- Volume 47**-*Recent Developments in Multiple Comparison Procedures*, Y. Benjamini, F. Bretz and S. Sarkar, Editors (ISBN 0-940600-63-30) .....\$35  
This volume is based on the NSF-CBMS Conference in Mathematical Sciences “New Horizons in Multiple Comparison Procedures.” The conference was organized in response to the sudden upsurge of research that has taken place in the area of multiple comparisons. This volume is a collection of 11 papers, covering a broad range of topics in Multiple Comparisons, which were invited for the conference.
- Volume 48**- *Dynamics and Stochastic: Festschrift in honor o M.S.Keene Dee Denteneer, Frank Den Hollander, Evgeny Verbitskiy*, Editors (ISBN 0-940600-64-1).....\$75  
This volume contains 29 contributions by Mike’s closest colleagues covering a broad range of topics in Dynamics and Stochastics.
- Volume 49**- *Optimality: The Second Erich L. Lehmann Symposium: Javier Rojo*, Editor (ISBN 0-940600-66-9).....\$75  
The Second Erich L. Lehmann Symposium was held in Houston, Texas, USA during May 2004, hosted by Rice University. The goal of this series of symposia is to examine the role that Optimality can play, or should play, in modern statistics. The volume presents a collection of refereed papers dealing with the issue of optimality in several areas including: multiple testing, transformation models, competing risks, regression trees, density estimation, copulas, and robustness.

**Volume 50- *Recent Developments in Nonparametric Inference and Probability*:** Jiayang Sun, Anirban DasGupta, Vince Melfi, Connie Page, Editors. (ISBN 0-940600-66-9) .....\$54

There have been extensive developments recently in modern nonparametric inference and modeling. Non parametric and semi-parametric Methods are especially useful with large amounts of data that are now routinely collected in many areas of science. Probability and stochastic Modeling are also playing major new roles in scientific applications. This refereed special volume highlights challenges and developments at this interface of statistics, probability and the sciences, and honors Michael B. Woodroffe for his pioneering contributions to nonparametric inference and probability.

**Volume 51- *High Dimensional Probability*:** Evarist Gine, Vladimir Koltchinskii, Wenbo Li, Joel Zinn, Editors. (ISBN 0-940600-67-6) .....\$66

The volume includes papers presented at the IVth International Conference on High Dimensional Probability. This area of probability deals with a variety of techniques (randomization, decoupling, generic chaining, measure concentration, exponential inequalities and series representations) that originated in Probability in Banach Spaces and are now expanding in several areas of Mathematics, Statistics and Machine Learning.

**Volume 52- *Time Series and Related Topics*:** In memory of Ching-Zong Wei Hwai-Chung Ho, Ching-Kang Ing, Tze Leung Lai, Editors (ISBN 0-940600-68-4) .....\$75

A major research area of Ching-Zong Wei (1949--2004) was time series models and their applications in econometrics and engineering, to which he made many important contributions. A conference on time series and related topics in memory of him was held on December 12--14, 2005, at Academia Sinica in Taipei, where he was Director of the Institute of Statistical Science from 1993 to 1999. Of the forty-two speakers at the conference, twenty contributed to this volume.

**Volume 53- *Multivariate Statistics. A Vector Space Approach*:** Morris L. Eaton. (ISBN 0-940600-69-2) ..... \$115

The purpose of this book is to present a version of multivariate statistical theory in which vector space and invariance methods replace, to a large extent, more traditional multivariate methods. The book is a text. Over the past ten years, various versions have been used for graduate multivariate courses at the University of Chicago, the University of Copenhagen, and the University of Minnesota. Designed for a one year lecture course or for independent study, the book contains a full complement of problems and problem solutions.

**Volume 54- *Complex datasets and inverse problems: Tomography, Networks and Beyond*:** Regina Liu, William Strawderman, Cun-Hui Zhang, Editors. (ISBN 0-940600-70-6) ..... \$108

This book is a collection of papers dedicated to the memory of Yehuda Vardi. Yehuda was the chair of the Department of Statistics of Rutgers University when he passed away unexpectedly on January 13, 2005. On October 21-22, 2005, some 150 leading scholars from many different fields, including statistics, telecommunications, biomedical engineering, bioinformatics, biostatistics and epidemiology, gathered at Rutgers in a conference in his honor. This conference was on "Complex Datasets and Inverse Problems: Tomography, Networks, and Beyond," and was organized by the editors. The present collection includes research work presented at the conference, as well as contributions from Yehuda's colleagues. The theme of the conference was networks and other important and emerging areas of research involving incomplete data and statistical inverse problems.

**Volume 55-: *Asymptotics: Particles, Processes and Inverse Problems Festschrift fo Piet Groenenboom*,** Eric Cator, Geurt Jongbloed, Cor Kraaikamp, Rik Lopuhaa, Jon Wellner, Editors, (ISBN-13: 978-0-940600-71-3, ISBN-10: 0-94600-71-4, ISSN: 0749-2170, LCCN: 2007927089) .....\$120

At the occasion of the official retirement of Piet Groeneboom as professor of statistics at Delft University of Technology and the VU University In Amsterdam, a workshop was held in Leiden in July 2006. This volume contains papers presented at that workshop as well as other contributions. A wide field of research is covered, reflecting Piet's broad interest. The main theme is Asymptotics, in particular related to interacting particle systems, stochastic processes and shape constrained estimation, as often encountered in inverse problems. The reader can, however, also find papers on other more or less related subjects.

## NSF-CBMS REGIONAL CONFERENCE SERIES IN PROBABILITY AND STATISTICS

**Volume 1 - *Group Invariance Applications in Statistics*** by Morris L Eaton (ISBN 0-94-0600-15-3) .....\$25

These lecture notes discuss topics in invariance with application in statistics. These lectures were originally presented at the NSF-CBMS Regional Conference held at the University of Michigan, in June 1987.

**Volume 2 - *Empirical Processes: Theory and Applications*** by David Pollard (ISBN 0-94-0600-16-1) ..... \$20

These lecture notes present some of the theoretical developments in abstract empirical process theory and illustrate their application by example. The lectures were originally presented at the NSF-CBMS Regional Conference held at the University of Iowa, in July 1988.

**Volume 3 - *Stochastic Curve Estimation*** by Murray Rosenblatt (ISBN 0-94-0600-22-6) .....\$25

These lecture notes are concerned with probability density or regression function estimation when observations are dependent. The lectures were originally presented at the NSF-CBMS Regional Conference held at the University of California, Davis, in June 1989.

**Volume 4 - *Higher Order Asymptotics*** by Jayanta K. Ghosh (ISBN 0-94-0600-31-5) ..... \$25

These lecture notes are concerned with Edgeworth expansions, higher order efficiency, expansion of posterior, and probability matching priors and related topics. These lectures were originally presented at the NSF-CBMS Regional Conference held at Chapel Hill, North Carolina, in August 1991.

**Volume 5 - Mixture Models: Theory, Geometry and Applications** by Bruce G. Lindsay (ISBN 0-94-0600-32-3) .....\$25  
 These lecture notes develop a general semiparametric theory for statistical models containing an unknown distribution, with application in random effects, over dispersion and many more areas. The lectures were originally presented at the NSF-CBMS Regional Conference held at the University of South Carolina, in May 1993.

**Volume 6 - Statistical Inference from Genetic Data on Pedigrees** by Elizabeth A. Thompson (ISBN 0-94-0600-49-8) .....\$30  
 This monograph develops probability models and statistical approaches for analysis of genetic data. The focus is on simple traits but multiple genetic loci, from basic ideas through recent developments in Monte Carlo likelihood estimation

**Volume 7 - Generalized Linear Mixed Models** by Charles E. McCulloch (ISBN 0-94-0600-54-4) .....\$30  
 Explores the basic idea of statistical models that incorporate random factors into generalized linear models.

**Volume 8 - Analysis of Longitudinal and Cluster-Correlated Data** by Nan Laird (ISBN 0-940600-60-9).....\$35  
 The analysis of data with outcomes measured repeatedly on each subject has experienced several transforming developments in the last twenty years. This monograph presents a unified treatment of modern methods for longitudinal and/or correlated data that have developed during this period.

## CIS INDEX

### CIS Extended Database

An online database bibliography of the literature of statistics and probability. Go to <http://www.statindex.org/CIS> to order.

## BACK ISSUES OF IMS JOURNALS

The Institute of Mathematical Statistics sells back issues of all volumes from 2004 forward. Microfilm of issues prior to this can be purchased from UMI ([www.umi.com](http://www.umi.com)). Please confirm availability before ordering.

	<u>PER ISSUE</u>	<u>PER VOLUME</u>
<i>The Annals of Statistics</i> , Volumes 32-36 (2004-2008) .....	\$50	\$300 (six issues)
<i>The Annals of Probability</i> , Volumes 32-36 (2004-2008) .....	\$50	\$300 (six issues)
<i>The Annals of Applied Probability</i> , Volumes 14-18 (2004-2008) .....	\$50	\$200 (six issues)
<i>Probability Surveys</i> , Volumes 1-5 (2004-2008) .....	\$60	\$ 60 (one issue)
<i>Statistical Science</i> , Volumes 19-23 (2004-2008).....	\$40	\$160 (four issues)
<i>The IMS Bulletin</i> , Volumes 33 (2004).....	\$15	\$ 90 (six issues)
Volume 34-37 (2005-2008)	\$10	\$100 (ten issues)

**Discounts available for back-issue orders over \$200.**

## DISCOUNTS ON BACK ISSUE ORDERS

Quantity-order discounts are applicable to back-issue orders only. Discounts are based on the total dollar amount of the back-issue order (using the prices marked above):

\$0-\$199. ....	0% discount	\$200-\$399 .....	10% discount
\$400-\$699 .....	15% discount	\$700-\$999 .....	20% discount
\$1000- .....	25% discount		

## HOW TO ORDER IMS PUBLICATIONS

Order all items in this *Catalog* prepaid from the Institute of Mathematical Statistics, Dues and Subscriptions Office, 9650 Rockville Pike, Suite L3503A, Bethesda, Maryland 20814-3998.

The Institute accepts VISA, MasterCard, American Express or Discover Card payments for subscriptions to its journals and purchases of its other publications. Provide the following information to use your VISA, MasterCard, American Express or Discover Card to purchase IMS publications: complete account number, expiration date, and name on card, telephone/fax/email, and authorized signature.

VISA, MasterCard, American Express or Discover information or a U.S. dollar check or draft payable through a U.S. bank in U.S. Funds must accompany your order. All checks must have the MICR Encoded Number on the bottom of the check. Do not send cash, purchase orders or postal coupons. Prices include surface mail postage. Airmail postage is available at customer's expense.