SUBSCRIPTION RATES

Subscription rates (post free) for Volume 34 (2002) of Advances in Applied Probability are as follows:

US\$238.50; \$A376.35; £145.50 for libraries and institutions; US\$79.50; \$A125.45; £48.50 for individuals belonging to a recognised scientific society.

Please send all enquiries to: Applied Probability, School of Mathematics and Statistics, University of Sheffield, Sheffield S3 7RH, UK.

We can provide back issue prices on application. Cheques, money orders, etc. should be made out to APPLIED PROBABILITY. Payment is accepted in US, UK or Australian currency or by VISA or Mastercard (phone: +44 114 222 3922; fax: +44 114 272 9782).

NOTES FOR CONTRIBUTORS

Contributors in Advances may be of six kinds:

(1) review papers; (2) longer research papers in applied probability, which may include expository material; (3) expository papers on branches of mathematics of interests to probabilists; (4) papers outlining areas in the biological, physical, social and technological sciences in which probability models can usefully be developed; (5) papers in applied probability presented at conferences which do not publish their proceedings; (6) letters to the editor on any appropriate topic in applied probability. In addition, the SGSA section includes contributions relating to stochastic geometry and statistical applications. Letters relating specifically to papers which have appeared in the Journal of Applied Probability will continue to be published in that journal.

Shorter research papers and short communications are published in the Journal of Applied Probability. The editors may publish accepted papers in either journal, however, according to the space available, in order to meet publication deadlines.

Submission of papers

Papers submitted to the Applied Probability journals are considered on the understanding that they have not been published previously and are not under consideration by another publication. Papers will not be reprinted without the written permission of the Trust. It is the policy not to accept for publication papers which cannot appear in print within 15 months of the date of receipt of the final version. Fifty reprints of each paper will be provided free; additional reprints are available at cost.

Papers should be written in English or French; papers in other languages may be accepted by the editors, but will appear (subject to the author's agreement) in English or French translation. Please supply *three* double-spaced hard copies, at least one of which should be printed on one side of the paper only. The paper should include: (1) a short abstract of approximately 4–10 lines giving a non-mathematical description of the subject matter and results; (2) list of keywords detailing the contents for the purposes of computerised information retrieval; (3) primary and secondary classifications according to the 2000 Mathematics Subject Classification.

Authors are advised to consult *The Author's Guide to the Applied Probability Journals* when preparing papers for submission. A copy of this guide may be obtained free of charge from the Applied Probability Office. An updated version of the guide, with LATEX style files, can be obtained in electronic form on http://www.appliedprobability.org or on PC-compatible disk from the Applied Probability Office. For instructions on how papers may be submitted electronically, please consult the notes for contributors at the above URL.

For efficiency in processing, authors are requested to send all submissions to the Applied Probability Office in Sheffield, rather than to individual editors. The address for all submissions is:

Executive Editor, Applied Probability, School of Mathematics and Statistics, University of Sheffield, Sheffield S3 7RH, UK.

COPYRIGHT

The copyright of all published papers is vested in the Trust. When a paper is accepted for publication, the Trust asks the author(s) to assign copyright to the Trust by signing a form in which the terms of copyright are listed. Failure to do this promptly may delay or prevent publication.

Authorisation to photocopy items for internal or personal use, or for the internal or personal use of specific clients, is granted by the Applied Probability Trust for libraries and other users registered with the Copyright Clearance Centre (CCC) Transactional Reporting Service, provided that the base fee of \$00.70 per copy, plus 0.20 per page is paid directly to CCC, 222 Rosewood Drive, Danvers, MA 01923, USA, 0001-8678/02 \$00.70 + 020.

PRINTED IN NORTHERN IRELAND AT THE UNIVERSITIES PRESS (BELFAST) LTD.

Volume 34 Number 4

Stochastic Geometry and Statistical Applications

- 689 ETIENNE BERTIN, JEAN-MICHEL BILLIOT AND RÉMY DROUILHET. Continuum percolation in the Gabriel graph
- 702 PIERRE CALKA. The distributions of the smallest disks containing the Poisson–Voronoi typical cell and the Crofton cell in the plane.
- 718 MARIANNE MÅNSSON AND MATS RUDEMO. Random patterns of nonoverlapping convex grains
- 739 MATHEW D. PENROSE. Focusing of the scan statistic and geometric clique

General Applied Probability

- 754 K. D. GLAZEBROOK, J. NIÑO-MORA AND P. S. ANSELL. Index policies for a class of discounted restless bandits
- 775 ANDREW L. RUKHIN. Distribution of the number of words with a prescribed frequency and tests of randomness
- 798 ALEKSANDER M. IKSANOV AND ZBIGNIEW J. JUREK. On fixed points of Poisson shot noise transforms
- 826 SUBHASH C. KOCHAR, XIAOHU LI AND MOSHE SHAKED. The total time on test transform and the excess wealth stochastic orders of distributions
- 846 LAURENT GAUTHIER. Excursions height- and length-related stopping times, and application to finance
- 869 AXEL LEHMANN. Smoothness of first passage time distributions and a new integral equation for the first passage time density of continuous Markov processes
- 888 PETTERI MANNERSALO, ILKKA NORROS AND RUDOLF H. RIEDI. Multifractal products of stochastic processes: construction and some basic properties
- 904 T. MYLLÄRI. Limit distributions for the number of leaves in a random forest
- 923 Index (General Applied Probability)
- 925 Index (Stochastic Geometry and Statistical Applications)

Published by the **Applied Probability Trust** Copyright © **Applied Probability Trust** 2002 ISSN 0001-8678