

## Subscription rates

Subscription rates for volume 47 (2015) of *Advances in Applied Probability* (AAP) are as follows (post free and including online access at <http://projecteuclid.org/aap/>): US\$344.00; A\$387.00; £222.00 for libraries and institutions; or US\$116.00; A\$131.00; £75.00 for individuals belonging to a recognised scientific society. The subscription rates for volume 52 (2015) of *Journal of Applied Probability*, the companion publication, are the same; if both journals are ordered directly from the Applied Probability office at the same time, the combined price is discounted by 10%. Please send all enquiries to: Applied Probability Subscriptions, School of Mathematics and Statistics, University of Sheffield, Sheffield S3 7RH, UK (telephone +44 114 222 3922; fax +44 114 222 3926; email [s.c.boyles@sheffield.ac.uk](mailto:s.c.boyles@sheffield.ac.uk)). Cheques, money orders, etc. should be made payable to 'Applied Probability'. Payment is acceptable in US, Australian or UK currency, or by Visa or Mastercard. We can provide back issue prices on application.

## Notes for contributors

A submission to Applied Probability is considered as a submission to either *Journal of Applied Probability* (JAP) or *Advances in Applied Probability* (AAP). Longer papers are typically published in AAP, but the assignment of papers between the two journals is made by the Editor-in-Chief on an issue-by-issue basis. Short communications and letters specifically relating to papers appearing in either JAP or AAP are published in JAP. The section on *stochastic geometry and statistical applications* is published separately in AAP for the last time in 2015. Submissions in the area remain welcome and will be treated as submissions for the general section.

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. Accepted papers will not be published elsewhere without the written permission of the Trust. Submitted papers should be in English. It is the author's responsibility to ensure an acceptable standard of language, and a paper failing to meet this requirement may go back to the author for rewriting before being sent out for review.

Papers should include: (i) a **short abstract** of 4–10 lines giving a non-mathematical description of the subject matter and results; (ii) a list of **keywords** detailing the contents; and (iii) a list of **classifications**, using the 2010 Mathematics Subject Classification scheme (<http://www.ams.org/msc/>). Letters to the Editor need not include these. To assist authors in writing papers in the Applied Probability style, they may use the  $\LaTeX$  class file `aptpub.cls`, available from <http://www.appliedprobability.org/>. Use of this class file is not a condition of submission, but will considerably increase the speed at which papers are processed.

Papers should be submitted as hard copy or as electronic files. All submissions will be acknowledged on receipt and **must be accompanied by a covering letter stating the author's postal address and affiliation**. Hard copy: Send **all** submissions to the Applied Probability office in Sheffield, and not to individual editors. Two copies of the paper, at least one of which should be double spaced, should be sent to: **Executive Editor, Applied Probability, School of Mathematics and Statistics, University of Sheffield, Sheffield S3 7RH, UK**. Electronic submission: Please email a **double-spaced** PostScript™ (.ps) or portable document format (.pdf) file, not exceeding 1 Mb. **The files must be clearly identified by name in a separate covering message**. The address for email submissions is [submissions\\_japaap@sheffield.ac.uk](mailto:submissions_japaap@sheffield.ac.uk).

## Copyright

The copyright of all published papers is vested in the Applied Probability Trust. When a paper is accepted for publication, the Trust asks the authors to assign copyright 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 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 Center (CCC) Transactional Reporting Service, provided that the corresponding processing and royalty fees (see <http://www.copyright.com>) are paid directly to CCC, 222 Rosewood Drive, Danvers, MA 01923, USA. 0001–8678/15

PRINTED IN NORTHERN IRELAND AT HISKEY LTD

*Stochastic Geometry and Statistical Applications*

- 307 LINDA V. HANSEN, THORDIS L. THORARINSDOTTIR, EVGENI OVCHAROV, TILMANN GNEITING AND DONALD RICHARDS. Gaussian random particles with flexible Hausdorff dimension
- 328 C. HIRSCH, D. NEUHÄUSER, C. GLOAGUEN AND V. SCHMIDT. First passage percolation on random geometric graphs and an application to shortest-path trees

*General Applied Probability*

- 355 QIAN LIN. Nash equilibrium payoffs for stochastic differential games with two reflecting barriers
- 378 B. ERIKSSON AND M. R. PISTORIUS. American option valuation under continuous-time Markov chains
- 402 PAWEŁ LOREK AND RYSZARD SZEKLI. Computable bounds on the spectral gap for unreliable Jackson networks
- 425 PREDRAG R. JELENKOVIĆ AND EVANGELIA D. SKIANI. Distribution of the number of retransmissions of bounded documents
- 450 A. J. E. M. JANSSEN AND J. S. H. VAN LEEUWAARDEN. Staffing many-server systems with admission control and retries
- 476 AMARJIT BUDHIRAJA, VLADAS PIPIRAS AND XIAOMING SONG. Admission control for multidimensional workload input with heavy tails and fractional Ornstein–Uhlenbeck process
- 506 JI HWAN CHA AND GIANPAOLO PULCINI. Burn-in procedure based on a dependent covariate process
- 530 SERIK SAGITOV AND MARIA CONCEIÇÃO SERRA. Skeletons of near-critical Bienaymé–Galton–Watson branching processes
- 545 SANA LOUHICHI AND BERNARD YCART. Exponential growth of bifurcating processes with ancestral dependence
- 565 JONATHAN JORDAN AND ANDREW R. WADE. Phase transitions for random geometric preferential attachment graphs
- 589 ISTVÁN KOLOSSVÁRY AND JÚLIA KOMJÁTHY. First passage percolation on inhomogeneous random graphs