Advances in Applied Probability

The Editorial Board would like to encourage the submission to the *Advances* of review papers summarising and coordinating recent results in any of the fields of applied probability.

In addition to these review papers, *Advances* is also designed to be a medium of publication for (1) longer research papers in applied probability, which may include expository material, (2) expository papers on branches of mathematics of interest to probabilists, (3) papers outlining areas in the biological, physical, social and technological sciences in which probability models can be usefully developed, (4) papers in applied probability presented at conferences which do not publish their proceedings, and finally, (5) letters to the editor on any appropriate topic in applied probability.

As from March 1994, *Advances* will include a new section devoted to stochastic geometry and statistical applications (see the announcement and call for papers in the March issue).

In short, the main function of *Advances* is to define areas of recent progress and potential development in applied probability. As with the *Journal of Applied Probability*, *Advances* undertakes to publish papers accepted by the Editors within 15 months of their submission; letters to the editor will normally be published more rapidly.

Volume 25 No. 4 of *Advances* contains the following papers:

Telecommunication Systems

Modeling, Analysis, Design and Management

Contents Vol. 1 No.1

Contents Vol. 1 No. 2

Contents Vol. 1 No. 3

Contents Vol. 1 No. 4

The journal will publish high quality academically oriented articles dealing with the use of analytic and quantitative tools for the modeling, analysis, design and management of telecommunication systems. Topics covered by the journal will include: Performance Evaluation of Wide Area Networks; Network Interconnection; Impact of New Services (economic and organizational impact); Design of Local Access Networks; Design and Analysis Issues in Metropolitan Area Networks; Dynamics and Capacity Expansion of Telecommunication Systems; Multimedia Based Systems. Their Design Configuration and Impact; Configuration of Distributed Systems; Pricing for Networking and Telecommunication Services; Performance Analysis of Local Area Networks; Distributed Group Decision Support Systems; Configuring Telecommunication Systems With Reliability and Availability; Cost Benefit Analysis and Economic Impact of Telecommunication Systems; Standardization and Regulatory Issues; Security, Privacy and Encryption in Telecommunication Systems; Cellular, Mobile and Satellite Based Systems

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NOTES FOR CONTRIBUTORS

Papers published in the *Journal* are of two kinds:
(1) *research papers* not exceeding 20 printed pages;
(2) *short communications* of a few printed pages in the nature of notes or brief accounts of work in progress.

Review papers, *longer research papers* and *letters to the editor* are published in *Advances in Applied Probability*, a companion journal. (Note: Letters relating specifically to papers which have appeared in the *Journal of Applied Probability* will continue to appear in the *Journal*.)

The editors may publish accepted papers in either journal, according to the space available, in order to meet the 15-month deadline in publication referred to below.

Submission of papers

Papers submitted to the *Journal of Applied Probability* 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 of the *Journal* not to accept for publication papers which cannot appear in print within 15 months of the date of receipt of the final version. Authors will receive 50 reprints of their papers free, and joint authors a proportional share of this number. Additional reprints will be provided 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 in the *Journal*. Scripts should be typewritten, using double spacing, and at least one copy should be on one side of the paper only. Each paper should be accompanied by
(i) a short abstract of approximately 4–10 lines giving a non-mathematical description of the subject matter and results;
(ii) a list of keywords detailing the contents for the purpose of computerised information retrieval;
(iii) primary and secondary classifications using the 1991 Mathematics Subject Classification, to be found in the 1990 Annual Index of *Mathematical Reviews*.

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 on application to the Applied Probability Office.

For efficiency in processing, authors are requested to send three copies of all submissions to the Applied Probability Office in Sheffield, rather than to individual editors. Authors overseas are asked to ensure that their submissions are sent by airmail. The Editor-in-Chief and the Applied Probability Office are in regular contact and full details of all papers submitted are available to Professor Heyde at The Australian National University in Canberra.

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