

## SUBSCRIPTIONS

Combinatorics, Probability and Computing (ISSN: 0963-5483) is published bimonthly in 2014 in January, March, May, July, September and November by Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge, CB2 8RU, UK / Cambridge University Press, 32 Avenue of the Americas, New York, N.Y. 10013-2473. The subscription price of Volume 23, 2014 is £478 net (USA, Canada and Mexico US\$821) post free, institutions print and electronic; institutions electronic only £405 / \$701; single parts cost £87 net (USA, Canada and Mexico US\$150.51) plus postage. Prices include delivery by air. Five parts form a volume. Orders must be accompanied by payment, may be sent to any bookseller, subscription agent or to the publisher: Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge, CB2 8RU, or in the USA, Canada and Mexico to Cambridge University Press, Journals Fulfillment Department, 100 Brook Hill Drive, West Nyack, New York 10994-2133. EU subscribers outside the UK who are not registered for VAT should add VAT at their country's rate. VAT registered subscribers should provide their VAT registration number. Japanese prices for institutions are available from Kinokuniya Company Ltd., P.O. Box 55, Chitose, Tokyo 156, Japan. Copies of the Journal for subscribers in the USA, Canada and Mexico are sent by air to New York. Periodical postage paid at New York, N.Y. and additional mailing offices. POSTMASTER Send address changes to Combinatorics, Probability and Computing, Cambridge University Press, 100 Brook Hill Drive, West Nyack, N.Y. 10994-2133.

Claims for missing issues can only be considered if made immediately upon receipt of the subsequent issue. Copies of back numbers are available from Cambridge University Press.

**COPYING** This journal is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA. 01923, USA. Organisations in the USA who are also registered with the C.C.C. may therefore copy material (beyond the limits permitted by section 107 and 108 of US copyright law) subject to payment to C.C.C. of the per-copy fee of \$16.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0963-5483/14 \$16.00. Organisations authorised by the Copyright Licensing Agency may also copy material subject to the usual conditions. ISI Tear Sheet Service, 3501 Market Street, Philadelphia, Pennsylvania 19104, USA, is authorised to supply single copies of separate articles for private use only.

For all other use, permission should be sought from Cambridge University Press.

Cover design by Gabriella Bollobás based on a tessellation by Andreas Dress.

## INSTRUCTIONS FOR AUTHORS

**Editorial policy** The journal welcomes submissions in any of the areas of Combinatorics, Probability, or Computer Science, not just those dealing explicitly with relations between the three. Its scope covers combinatorics in a broad sense, including classical and algebraic graph theory, probabilistic methods, random structures, combinatorial probability and limit theorems for random combinatorial structures; and the theory of algorithms, including complexity theory, randomised algorithms, probabilistic analysis of algorithms, computational learning theory and optimisation.

**Submission of manuscripts** Authors are strongly encouraged to submit papers electronically, ideally in the form of a pdf or postscript file. Papers should be sent to the editorial office at [cpc@msci.memphis.edu](mailto:cpc@msci.memphis.edu), or can alternatively be submitted through any member of the Editorial Board. Papers may also be submitted in hard copy: three copies should be sent accompanied by the author's address, telephone, fax number, and email address.

Submission of a paper is taken to imply that it has not been previously published and that it is not being considered for publication elsewhere. Authors of articles published in the journal assign copyright to Cambridge University Press and will receive a copyright assignment form for signature upon acceptance of their paper.

On final acceptance of a paper, authors will be asked to send LaTeX source code, along with figure files and author-defined macros, to the editorial office. The publisher reserves the right to typeset any article by conventional means if the author's LaTeX code presents problems in production.

**Layout of manuscripts** Papers should begin with an abstract of not more than 300 words. Papers should also include the relevant 2010 Mathematical Subject Classification codes. References should be listed in alphabetical order at the end of the main text.

**Proof reading** Typographical or factual errors only may be changed at proof stage. The publisher reserves the right to charge authors for correction of non-typographical errors. No page charge is made. The journal sends author proofs in pdf format, but requires a marked hard copy to be returned to the publisher unless corrections are very light. See instructions with the pdf proof.

**Offprints** No paper offprints are provided, but a pdf of the published article will be sent to the corresponding author.

This journal issue has been printed on FSC-certified paper and cover board. FSC is an independent, non-governmental, not-for-profit organization established to promote the responsible management of the world's forests. Please see [www.fsc.org](http://www.fsc.org) for information.



# *Combinatorics, Probability & Computing*

## CONTENTS

Partially Observed Boolean Sequences and Noise Sensitivity DANIEL AHLBERG	317
Local Limit Theorems for the Giant Component of Random Hypergraphs MICHAEL BEHRISCH, AMIN COJA-OGHLAN AND MIHYUN KANG	331
The Asymptotic Number of Connected $d$ -Uniform Hypergraphs MICHAEL BEHRISCH, AMIN COJA-OGHLAN AND MIHYUN KANG	367
Robust Analysis of Preferential Attachment Models with Fitness STEFFEN DEREICH AND MARCEL ORTGIESE	386
The First $k$ -Regular Subgraph is Large PU GAO	412
Conflict-Free Colouring of Graphs ROMAN GLEBOV, TIBOR SZABÓ AND GÁBOR TARDOS	434
On the Diameters of Commuting Graphs Arising from Random Skew-Symmetric Matrices PETER HEGARTY AND DMITRII ZHELEZOV	449
Mixing Times and Moving Targets PERLA SOUSI AND PETER WINKLER	460

Cambridge Journals Online

For further information about this journal  
please go to the journal website at:  
[journals.cambridge.org/cpc](http://journals.cambridge.org/cpc)



**MIX**  
Paper from  
responsible sources  
**FSC® C007785**

**CAMBRIDGE**  
UNIVERSITY PRESS