List C: Recent and forthcoming publications

This list contains combinatorial books and papers that have been published, accepted or submitted for publication since the last issue of the Bulletin—i.e., during (approximately) the calendar year 2002. This should not be taken as a complete record of all such publications during the period, and absence of listed papers for any individual should not be taken to imply absence of research activities.

**Abel, R.J.R., Greig, M. and Rees, D.H.**

**Alkenani, A.N and Mavron, V.C**
Maximal arc partitions of designs. Submitted.

**Allen, S.M., Smith, D.H. and Hurley, S.,**

**Allen, S.M.,**
[see also: Montemanni]

**Anderson, I.**

**Anderson, I. and Preece, D. A.**

**Anderson, I. and Preece, D. A.**
Power sequence terraces for $\mathbb{Z}_n$ where $n$ is an odd prime power, *Discrete Math.* 261 (2003),31-58

**Anderson, I. and Preece, D. A.**
Narcissistic half-and-half power-sequence terraces for $\mathbb{Z}_n$ with $n=pq^t$, *Discrete Math.*, to appear.

**Anthony, M.**

**Anthony, M.**

**Anthony, M.**

**Anthony, M.**
Anthony, M.

Anthony, M.

Anthony, M. and Biggs, N.L.

Atkinson, M. D., Murphy, M. M. and Ruskuc, N.
Sorting with two ordered stacks in series, Theoretical Computer Science, to appear.

Atkinson, M. D., Murphy, M. M. and Ruskuc, N.

Babbage, S.
Cryptanalysis of LILI-128 (2nd NESSIE workshop, London, September 2001)

Babbage, S.
Cryptanalysis of the COS (2, 128) Stream Ciphers (ePrint archive 2001/106)

Babbage, S.
Security Algorithms for Mobile Telephony (invited presentation at Selected Areas in Cryptology 2002)

Babbage, S. & Lano, J.
Probabilistic Factors in the SOBER-t Stream Ciphers (3rd NESSIE workshop, Munich, November 2002)

Bailey, R.A., Ollis, M.A. and Preece, D.A.

Bell, F.K.

Bell, F.K. and Rowlinson, P.
Bennett, G.K., Grannell, M.J. and Griggs, T.S.

Bennett, G.K., Grannell, M.J. and Griggs, T.S.

Bennett, G.K., Grannell, M.J. and Griggs, T.S.
Exponential lower bounds for the numbers of Skolem-type sequences, to appear in *Ars Combinatoria*.

Biggs, N.L.

Biggs, N.L.

Biggs, N.L.

Biggs, N.L.

Biggs, N.L.
[see also: Anthony]

Borodin, O. V. and Woodall, D. R.

Brightwell, G. and Winkler, P.

Brightwell, G. and Winkler, P.

Brightwell, G. and Trotter, W.T

Bryant, D.E., Grannell, M.J., Griggs, T.S. and Maenhaut, B.M.
On the volume of 4-cycle trades, to appear in *Graphs and Combinatorics*. 
Bryant, D.E., Grannell, M.J. and Griggs, T.S.
Configurations in 4-cycle systems, submitted.

Bryant, D.E., Grannell, M.J. and Griggs, T.S.
Large sets of large sets of Steiner triple systems of order 9, submitted.

Bryant, D.E., Maenhaut, B.M., Quinn, K.A.S. and Webb, B.S.
Existence and embeddings of partial Steiner triple systems of order ten with cubic leaves, submitted.

Calkin, N., Merino, C., Noble, S.D. and Noy, M.

Cameron, P.J. and Preece, D.A.

Campbell, C. M., Havas, G., Hulpke A. and Robertson E. F.

Campbell, C. M., Mitchell J. D. and Ruskuc, N.

Campbell, C. M., Robertson, E. F., Ruskuc, N. and Thomas, R. M.

Campbell, C. M., Mitchell, J. D. and Ruskuc, N.

Campbell, C. M., Havas, G., Hulpke, A. and Robertson, E. F.

Campbell, C. M., Campbell, P. P., Doostie, H. and Robertson, E. F.

Campbell, C. M., Campbell, P. P., Doostie, H. and Robertson, E. F.
On the Fibonacci length of powers of dihedral groups, to appear.

Campbell, C. M., Campbell, P. P., Hopson, B. T. K. and Robertson, E. F.

Cariolaro, D. and Hilton, A.J.W.
Class 1 graphs associated with regular graphs of high degree, *Congressus Numerantium*, to appear.
Cropper, M.M. and Hilton, A.J.W.
The Hall parameters of complete and complete bipartite graphs, *J. Graph Theory*, 41 (2002), 208-237.

Cryan, M., Dyer, M., Goldberg, L. A., Jerrum, M. and Martin, R.,

Cvetkovic, D., Lepovic, M., Rowlinson P. and Simic, S.

Cvetkovic, D., Fowler, P., Rowlinson, P. and Stevanovic, D.

Cvetkovic, D., Rowlinson, P. and Simic, S.
Graphs with least eigenvalue $-2$: a new proof of the $31$ forbidden subgraphs theorem, submitted

Dénes, J. and Keedwell, A. D.

Descalo, L. and Ruskuc, N.

Descalo, L. and Ruskuc, N.
Subsemigroups of the bicyclic monoid, to appear.

Dugdale, J.K. and Hilton, A.J.W.

Dyer, M., Frieze, A. and Jerrum, M.

Dyer, M., Goldberg, L. A., Greenhill, C., Istrate, G. and Jerrum, M.

Dyer, M., Goldberg, L. A. and Jerrum, M.
Dyer, M., Jerrum, M. and Vigoda, E.,
Rapidly mixing Markov chains for dismantleable constraint graphs,
Proceedings of the 6th International Workshop on Randomization and
Approximation Techniques (RANDOM 2002), Springer Lecture Notes in

Dyer, M.,
[see also: Cryan]

Ferencak, M.N. and Hilton, A.J.W.

Forbes, A.D.

Forbes, A.D., Grannell, M.J. and Griggs, T.S.
On colourings of Steiner triple systems, to appear in *Discrete Mathematics*.

Forbes, A.D., Grannell, M.J. and Griggs, T.S.
Configurations and trades in Steiner triple systems, submitted.

Forbes, A.D., Grannell, M.J. and Griggs, T.S.
Independent sets in Steiner triple systems, submitted.

Forbes, A.D., Grannell, M.J. and Griggs, T.S.
On independent sets, submitted.

Foster, W.H. and Krasikov, I.

Fountoulakis, N.,
[see also: McDiarmid]

Franek, F., Grannell, M.J., Griggs, T.S. and Rosa, A.

Franek, F., Griggs, T.S., Lindner, C.C. and Rosa, A.

Goldberg, L. A. and Jerrum, M.
Goldberg, L. A.
[see also: Cryan, Dyer]

Gordan, N. A.
[see also: Shaw]

Grannell, M.J. and Griggs, T.S.

Grannell, M.J., Griggs, T.S. and Siran, J.

Grannell, M.J., Griggs, T.S. and Knor, M.

Grannell, M.J., Griggs, T.S., Korzhik, V.P. and Siran, J.
On the minimal non-zero distance between triangular embeddings of a complete graph, to appear in Discrete Mathematics.

Grannell, M.J., Griggs, T.S. and Siran, J.
Maximum genus embeddings of Steiner triple systems, submitted.

Grannell, M.J., Griggs, T.S., Knor, M. and Skoviera, M.
A Steiner triple system which colours all cubic graphs, submitted.

Grannell, M.J. and Korzhik, V.P.
Nonorientable biembeddings of Steiner triple systems, submitted.

Grannell, M.J.
[see also: Bennett, Bryant, Forbes, Franek]

Green, R.M.

Green, R.M. and Losonczy, J.

Greig, M. and Rees, D.H.
Existence of balanced incomplete block designs for many sets of treatments, Discrete Mathematics 261 (2003), 299-324.

Griggs, T.S. and Rosa, A.
Griggs, T.S.
[see also: Bennett, Bryant, Forbes, Franek, Grannell]

Halldorsson, M. Irving, R. W., Iwama, K., Manlove, D. M., Miyazaki, S., Morita, Y. and Scott, S.
Approximability results for stable marriage problems with ties, submitted.

Havas, G. and Robertson, E. F.
Irreducible cyclic presentations of the trivial group, Experimental Mathematics, to appear.

Henderson, M.J. and Hilton, A.J.W.
Completing the edge-colouring of a complete graph (submitted).


van den Heuvel, J. and McDiarmid, C.

van den Heuvel, J., Borodin, O.V., Broersma, H.J. and Glebov, A.

van den Heuvel, J., Borodin, O.V., Broersma, H.J. and Glebov, A.

van den Heuvel, J. and Stougie, L.
A quadratic bound on the diameter of the transportation polytope. CDAM Research Report 2002-09.

Hill, R. and Love, C.P.
On the (22,4)-arcs in PG(2,7) and related codes, Discrete Math., to appear.

Hill, R.
[see also: Landjev]

Hilton, A.J.W., Liu, J. and Zhao, C.

Hilton, A.J.W. and Hind, H.R.

Amalgamations of connected $k$-factorizations, *J. Combinatorial Theory (B)*, to appear.

Hilton, A.J.W. and Johnson, M.  
An algorithm for finding $l$-edge-connected $k$-factorizations of complete graphs, *J. Graph Theory*, to appear.

Hilton, A.J.W. and Johnson, M.  
Amalgamations of factorizations of complete equipartite graphs (submitted).

Hilton, A.J.W.  
[see also: Cariolaro, Cropper, Dugdale, Ferencak, Henderson]

Hoffmann, M., Thomas, R. M. and Ruskuc, N.  

Hoggar, S. G.  
[see also: Ireland]

Holmes, P. E., Linton, S. A. and Murray, S. H.  
Product replacement in the monster, to appear.

Holroyd, F.C. and Skoviera, M.  
Colouring of cubic graphs by Steiner triple systems, submitted.

Hunt, E., Atkinson, M. P. and Irving, R. W.  

Hurley, S.  
[see also: Allen]

Ireland, J. M., Keating, D., Hoggar, S. G. and Park, S.  

Irving, R. W. and Manlove, D. F.  

Irving, R. W. and Love, L.  

Irving, R. W., Manlove, D. F. and Scott, S.  
Irving, R. W. and Scott, S.

Irving, R. W.,
[see also: Halldorsson, Hunt, Manlove]

Ivrissimitzis, I. and Singerman, D.
Regular maps and principal congruence subgroups of Hecke Groups, Submitted.

Jackson, P. S.,
[see also: Rowlinson]

Jerrum M., and Son, J-B.,

Jerrum M.,
[see also: Cryan, Dyer, Goldberg]

Johnson, M.,
[see also: Hilton]

Keedwell, A. D.

Keedwell, A. D.
[see also: Dénes]

Keedwell, A. D. and Mullen, G.
On sets of partially orthogonal latin squares and “near” projective planes. Submitted.

Keedwell, A. D. and Shcherbacov V. A.

Keedwell, A. D. and Shcherbacov V. A.
Construction and properties of \((r, s, t)\)-inverse quasigroups I. Discrete Mathematics. To appear.

Koller, A.E. and Noble, S.D.
The domination number of greedy heuristics for the frequency assignment problem, submitted.

Kostochka, A. V. and Woodall, D. R.
Total choosability of multicircuits I, J. Graph Theory, 40 (2002), 26-43.
Kostochka, A. V. and Woodall, D. R.

Kostochka, A. V. and Woodall, D. R.,
Irreducible hypergraphs for Hall-type conditions, and arc-minimal digraph expanders, submitted.

Krasikov, I.

Krasikov, I. and Lagarias, J.C.

Krasikov, I., Lev, A. and Thatte, B.D.

Krasikov, I.,
[see also: Foster]

Landjev, I., Rousseva, A., Maruta, T. and Hill, R.
On optimal codes over the field with five elements, submitted

Leese, R. A. and Noble, S. D.
Labelling cycles with a condition at distance two, submitted.

Linton, S. A., Pfeiffer, G, Robertson, E. F. and Ruskuc, N.

Linton, S. A. and Sebastiani, R. (Eds)

Linton, S. A.
[see also: Holmes]

Lloyd, E. K. and Dolhaine, H.

Lloyd, E. K.

Love, C. P.
[see also: Hill]
Lovegrove, G.J.
The automorphism groups of Steiner triple systems obtained from the Bose construction, To appear in the *Journal of Algebraic Combinatorics*.

Luczak, M.J. and Noble, S.D.

Luczak, M.J.
[see also: McDiarmid]

Manlove, D. F.

Manlove, D. F. and Middendorf, M.,

Manlove, D. F., Irving, R. W., Iwama, K., Miyazaki, S. and Morita, Y.,

Manlove, D. F.
[see also: Halldorsson, Irving]

Martin, R.
[see also: Cryan]

Mavron, V. C.
[see also: Alkenani]

McDiarmid, C.

McDiarmid, C.

McDiarmid, C.

McDiarmid, C.
McDiarmid, C.

McDiarmid, C.

McDiarmid, C., Devroye, L., and Reed, R.

McDiarmid, C. and Fountoulakis, N.

McDiarmid, C. and Hoàng, C.

McDiarmid, C. and Luczak, M.

McDiarmid, C. and Reed, B.

McDiarmid, C.
[see also: van den Heuvel]

Merino, C.
[see also: Calkin]

Mitra, G.
[see also: Nwana]

Montemanni, R., Smith, D.H. and Allen, S.M.,

Montemanni, R., Smith, D.H. and Allen, S.M.,
Montemanni, R., Moon, J.N.J. and Smith, D.H.,

Nash-Williams, C.St.J.A.
[see also: Hilton]

Noble, S.D.
Evaluating the rank generating function of a graphic 2-polymatroid, submitted.

Noble, S.D.
[see also: Calkin, Koller, Leese, Luczak]

Nwana, V., Darby-Dowman, K.H. and Mitra, G.

Nwana, V. and Mitra, G.
Parallel mixed integer programming: a status review, submitted.

Ollis, M.A. and Preece, D.A.

Preece, D.A.
[see also: Anderson, Bailey, Cameron, Ollis, Phillips]

Phillips, N.C.K., Preece, D.A. and Rees, D.H.

Preece, D.A. and Phillips, N.C.K.

Prowse, A. and Woodall, D. R.

Quinn, K.A.S.
[see also: Bryant.]
Rees, D. H.
[see also: Abel, Greig, Phillips]

Robertshaw, A. M. and Woodall, D. R.

Robertshaw, A. M.,
k-factors and extendability in bipartite graphs, submitted.

Robertson, E F, Ruskuc, N and Thomson, M R

Robertson, E F
[see also: Campbell, Havas, Linton]

Rowlinson, P. and Jackson, P.S.,

Rowlinson P.
Star complements in finite graphs: a survey *Rendiconti del Seminario Matematico di Messina* Ser.II to appear

Rowlinson P.
Star complements and maximal exceptional graphs, submitted

Rowlinson P.
[see also: Bell, Cvetkovic]

Ruskuc, N.
[see also: Atkinson, Campbell, Descalo, Hoffmann, Linton, Robertson]

Shaw, R. and Maks, J.G.
Conclaves of planes in PG(4,2) and certain planes external to the Grassmannian G \{1,4,2\} in PG(9,2), to appear in *J. of Geometry*.

Shaw, R., Maks, J.G. and Gordon, N.A.
Flats in PG(9,2) external to the Grassmannian G \{1,4,2\}. Submitted.

Shaw, R., Maks, J.G. and Gordon, N.A.
Flats in PG(9,2) external to the Grassmannian G \{1,4,2\}: part II. Submitted.

Shaw, R., Maks, J.G. and Gordon, N.A.
Partial spreads in PG(4,2) and flats in PG(9,2) external to the Grassmannian G \{1,4,2\}. Submitted.
Singerman, D.

Singerman, D.

Singerman, D. and Syddall, R. I.
The Riemann surface of a uniform dessin, (Accepted for publication in 2002 by *Beiträge zur Algebra und Geometrie*).

Singerman, D.
[see also: Ivrissimtzis]

Smith, D.H., Perkins, S. and Jones, R.A.,
Spreading Codes for Quasisynchronous CDMA from Simplex Codes, submitted.

Smith, D.H.,
[see also: Allen, Montemanni.]

Son, J-B.
[see also: Jerrum]

Spence, E. and van Dam, E.,
Combinatorial designs with two singular values I, Uniform Multiplicative Designs, to appear.

Spence, E. and Haemers, W. H.,

Thiel, S.U., Giuliani, P., Ibbetson, L.J. and Lister, D.
An automated UMTS site selection tool (Third Int. Conf. on 3G Mobile Communications Technologies, London, pp. 69-73, May 2002).

Thomas, R. M.
[see also: Campbell, Hoffmann]

Webb, B.S.
[see also: Bryant.]

Wilson, R.J.

Woodall, D. R.
Woodall, D. R.

Woodall, D. R.,
Defective choosability of graphs with no edge-plus-independent-set minor, submitted.

Woodall, D. R.,
Corrigendum -- A zero-free interval for chromatic polynomials, submitted.

Woodall, D. R.,
[see also: Borodin, Kostochka, Prowse, Robertshaw.]

Yannakopoulos, A.
A note on multiple chromatic numbers of Kneser graphs

Zverovich, V.E.

Zverovich, V.E. and Volkmann, L.

Zverovich, V.E. and Volkmann, L.

Zverovich, V.E. and Zverovich, I.E.
Bipartition of graphs into subgraphs with prescribed hereditary properties, *Graph Theory Notes of New York* (to appear).

Zverovich, V.E. and Zverovich, I.E.