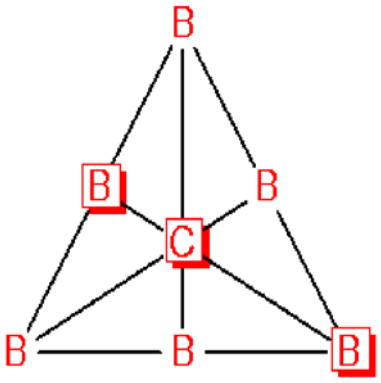
British Combinatorial Bulletin 2008



BRITISH COMBINATORIAL BULLETIN 2008

This is the 2008 British Combinatorial Bulletin. The format is essentially as in previous years. We hope that the additional Newsletter (now produced twice a year, in April and October) will help to convey some rather more informal information.

Can I again thank all institutional representatives for their enormous help in preparing this Bulletin. The BCB is very much what you make of it, and thus your suggestions (or those of your colleagues) for improvements remain very welcome. If anyone is interested in becoming a representative for an institution which doesn't currently have one, please let me know – the object of the exercise is to spread information, and so the more representatives we can have the better.

Finally, a very large vote of thanks is due to Chris Saker and Cat Gentry for their technical help with the preparation of this Bulletin.

David Penman
Editor
April 29th 2008.

The BCB webpage is: http://www.essex.ac.uk/maths/BCB/

Email should be addressed to: dbpenman@essex.ac.uk

The British Combinatorial Committee is a charity registered in Scotland, No: SC019723.

Committee Membership.

The Committee currently consists of: Peter Cameron (Chairman), Peter Rowlinson (Secretary), Keith Edwards (Treasurer), Sophie Huczynska (BCC22 Local Organiser), Haris Aziz (2008 PCC organiser), David Penman (Bulletin editor), Bridget Webb (Archivist), Graham Brightwell, Mark Jerrum, Stephanie Perkins, and James Hirschfeld (co-opted member).

Support for Conferences

Please contact the British Combinatorial Committee if you are thinking of organizing a meeting on combinatorial topics in the UK: in most cases, the Committee can offer financial support. Institutions requesting support are normally expected to make a contribution from their own funds or elsewhere. Proposals for consideration by the Committee, including outline plans and an outline budget, should be sent by email to the Secretary, Peter Rowlinson (p.rowlinson@stirling.ac.uk)

Archive

Bridget Webb now holds the archive at the Open University. If you have any items for inclusion or would like to see any items please contact her: B.S.Webb@open.ac.uk

News of forthcoming meetings.

Those interested in forthcoming meetings are reminded that they can find two excellent lists of such events at http://www.maths.qmul.ac.uk/~pjc/bcc/conferences.html and also at http://www.math.uiuc.edu/~west/meetlist.html. We concentrate here on events supported by the BCC. There may also be some information on non-BCC events in the British Combinatorial Newsletter:

Two-day Combinatorics Colloquium at QMUL and LSE – May 2008.
There will be two linked 1-day meetings on Combinatorics in London on **Wednesday 21 May 2008** (at **QMUL**) and on **Thursday 22 May 2008** (at **LSE**). Several talks at QMUL on the Wednesday will be on Latin squares, in honour of Donald Keedwell's 80th birthday.

On **Wednesday 21 May** at **Queen Mary**, the events begin at **10.30 a.m**. Lectures will be in the Mathematics Lecture Theatre, directions to which can be found at http://www.maths.qmul.ac.uk/about/location.shtml. Speakers will be Peter Borg (Malta), Roland Haggkvist (Umeå), Anthony Hilton (QMUL), Donald Keedwell (Surrey), Imre Leader (Cambridge) and Emil Vaughan (QMUL). Queries about this part of the meeting to Robert Johnson (r.johnson@qmul.ac.uk).

On **Thursday 22 May** at **LSE**, events begin (earlier...) at **10.00 a.m.** Talks will be held in the New Theatre (E171), in the East Building (entrance on Houghton street: directions to it, and maps, at http://www.lse.ac.uk/resources/mapsAndDirections/Default.htm). The speakers will be Petra Berenbrink (Simon Fraser), Reinhard Diestel (Hamburg), Deryk Osthus (Birmingham), Oliver Riordan (Oxford), John Talbot (UCL) and Dave Wagner (Waterloo). Queries about this part of the meeting to Graham Brightwell (g.r.brightwell@lse.ac.uk).

More details, including many of the titles, are available on the joint website for the conferences, namely http://www.cdam.lse.ac.uk/colloquia-in-combinatorics.html The meetings are funded by the LMS and the BCC. Please note the point about the desirability of those who think they will be coming to the informal meal on the Wednesday night (probably at an Indian restaurant in Brick Lane) advising Robert Johnson of this fact.

22nd PCC at Warwick, 21-23 July 2008.
This year's PCC is at the University of Warwick (under the auspices of DIMAP, Warwick's new centre for Discrete Mathematics and its Applications). The organizers are Haris Aziz (Warwick), Manuela Heuer (Open), Emil Vaughan (QMUL) and Simon Griffiths (Cambridge). The website for the conference is http://go.warwick.ac.uk/pcc2008/ and the invited speakers are Olivier Hudry (Ecole Nationale Supérieure des Télécommunications), Imre Leader (Cambridge) and Ian Stewart (Warwick). There is a blog for the conference at http://blogs.warwick.ac.uk/pcc08/, and queries should be sent to pcc@dcs.warwick.ac.uk.

Registration is open. – see the website. *Please note that there is a reduced registration fee for those who register early.* As usual, the aim will be to encourage postgraduates to talk about their research for 20 minutes in a non-intimidating atmosphere.

Open University Winter Combinatorics Meeting 2009.
The 10th OU Winter Combinatorics one-day meeting will take place on **Wednesday 28 January 2009**. Details will be made available at http://purematths.open.ac.uk/combin/ which at present contains details of the previous meeting, in January 2008.

Oxford 1-day meeting in Combinatorics 2009.
The 2009 Oxford meeting will take place on **Wednesday 11 March 2009**. (Note reversion to Wednesday as the day of the week, after an exceptional move to Friday in 2008). More details at http://www2.maths.ox.ac.uk/combinatorics/ in due course: at present, this site contains details of the previous meeting, on Friday 14 March 2008.

BCC2009
The 2009 BCC (the 22nd) will be at St. Andrews, from **Sunday 5-Friday 10 July 2009.** The website is http://bcc2009.mcs.st-and.ac.uk/ The Local Organiser is Sophie Huczynska and the other organisers are James Mitchell and Colva Roney-Dougal. Email

queries to bcc2009@mcs.st-and.ac.uk

The invited speakers are: Arrigo Bonisoli (Università di Modena e Reggio Emilia), Peter Cameron (QMUL), Willem Haemers (Tilburg), Gholamreza Khosrovshahi (IPM Tehran), Sasha Kostochka (University of Illinois at Urbana-Champaign), Daniela Kühn (Birmingham), Marc Noy (Universitat Politècnica de Catalunya), Oliver Riordan (Oxford) and Neil Sloane (AT&T). Details of how to get to St. Andrews can be found on the website.

BRITISH COMBINATORIAL COMMITTEE

Receipts and Payments Account for the period 1 October 2006 to 30 September 2007

	Year to 30/9/2007 £	Year to 30/9/2006 £
Receipts		
Interest	1111.03	947.29
Royalties from Cambridge University Press	123.59	931.09
Total receipts	**1234.62**	**1878.38**
Payments		
Grants for one-day conferences	850.00	882.70
Insurance for BCC21, Reading, July 2007	410.00	
(Travel expenses for one invited speaker to BCC20, Durham)		67.00
(Grant for Reading 2-day conference, May 2006)		2500.00
Grant for Queen Mary/LSE one-day conferences, May 2007	1500.00	
(British Combinatorial Bulletin)		220.00
Open University Combinatorics Prizes	100.00	100.00
Deposit for 2007 Postgraduate Combinatorics Conference	240.00	
Expenses for committee meetings (paid to 2 committee members)	226.90	88.23
Total payments	**3326.90**	**3857.93**
Surplus/(deficit) for year	(2092.28)	(1979.55)

All funds are unrestricted.

Statement of Balances as at 30 September	**2007** £	**2006** £
Bank Accounts:		
Opening Balances	26182.67	28162.22
Surplus/deficit for the year	(2092.28)	(1979.55)
Closing balances	**24090.39**	**26182.67**
Made up of:		
Bank of Scotland Treasurer's Account	531.58	1717.97
Scottish Widows Bank Treasury Tracker Account	23558.81	24464.70
	24090.39	**26182.67**

Keith Edwards
BCC Treasurer
The British Combinatorial Committee is a charity registered in Scotland, No: SC019723.

Please note that the above accounts have still to be approved or otherwise by the Committee at its meeting in May 2008. Queries relating to the accounts to Keith Edwards.

LIST A.

Combinatorial Mathematicians based in Britain.

Albrecht, M.	RHUL
Allen, Stuart M.	Cardiff
Al-Kharoosi, Fatma	QMUL
Al-Seraji, Najm	Sussex
Al-Zengana, Emad	Sussex
Anderson, Dr. Ian	Glasgow
Anthony, Prof. Martin	LSE
Antilla, M.	UCL
Appa, Prof. G.	LSE
Arhin, Dr. J.	QMUL
Arrowsmith, Prof. D. K.	QMUL
Aziz, Haris	Warwick

B	
Babbage, Dr. S.	Vodafone Group R&D
Bailey, Prof. R.A.	QMUL
Ball, Prof. Keith M.	UCL
Barany, Prof. Imre	UCL
Batu, Tugkan	LSE

Bedford, Dr. David	Keele
Belrose, Dr. Caroline	Vodafone Group R&D
Bending, Dr. Thomas D.	Middlesex
Biggs, Prof. Norman L.	LSE
Biró, Dr. Peter	Glasgow
Blackburn, Prof. Simon	RHUL
Boase, Mansur	Cambridge
Bogacka, Dr. B.	QMUL
Bollobás, Prof. B.	Cambridge
Bone, Dr. Nicholas	Vodafone Group R&D
Bordewich, Dr. Magnus	Durham
Borovik, Dr. A. V.	Manchester
Bowler, Dr. Andrew	Birkbeck
Bray, Dr. John	QMUL
Brignall, Dr. Robert	Bristol
Brightwell, Prof. G. R.	LSE
Britnell, Dr. John R.	Newcastle
Brough, Michael	QMUL
Brown, Dr. G. D.	Kent
Bryant, Prof. Roger M.	Manchester
Burrows, Dr. Brian L.	Staffordshire
Butkovic, Dr. Peter	Birmingham
Byott, Dr. Nigel P.	Exeter

C	
Cain, Dr. Alan J.	St. Andrews
Cameron, Prof. Peter J.	QMUL, London
Camina, Prof. Alan R.	UEA
Campbell, Dr. Colin M.	St. Andrews
Chapman, Dr. Robin J.	Exeter
Chen, L.	RHUL
Chen, Prof. Bo	Warwick
Chetwynd, Prof. A. G	Lancaster
Chicot, Dr. Katie M.	Open
Christofides, Dr. D.	Birmingham
Christopoulos, Chris	RHUL
Cid, Dr. Carlos	RHUL
Ciechanowicz, Dr. Z.	RHUL
Clarke, Dr. Francis W.	Swansea
Clarke, Geoffrey M.	Kent
Cohen, Prof. D. E.	RHUL
Cohen, Prof. Stephen D.	Glasgow
Constable, Robin L.	St. Andrews
Cook, Gary	Sussex
Cook, Prof. R.J.	Sheffield
Cooley, Oliver	Birmingham
Cooper, Dr. Colin	KCL
Cooper, Prof. S. Barry	Leeds
Cosh, Ben	Goldsmith's
Crampton, Dr. Jason	RHUL

Creed, Paídí	Edinburgh
Croft, Dr. Hallard T.	Cambridge
Crouch, Dr. Simon	Hewlett-Packard
Cryan, Dr. Mary	Edinburgh
Csornyei, Prof. Marianna	UCL
Curtis, Prof. Robert T.	Birmingham
Czumaj, Prof. Artur	Warwick

D	
Damerell, Dr. R. Mark	RHUL
Daykin, Dr. David E.	Reading
Deineko, Dr. Vladimir	Warwick
Dent, A.	RHUL
Dolan, Dr. Alan K.	Open
Dugdale, Dr. J. Keith	Reading
Duncan, Dr. Andrew J.	Newcastle
Dye, Prof. Roger H.	Newcastle
Dyer, Prof. Martin	Leeds
Džamonja, Dr. M.	UEA

E	
Easton, Sarah J.	Staffordshire
Edwards, Dr. Keith J.	Dundee
Eggemann, Nicole	Brunel

Elsholtz, Dr. Christian	RHUL
Erlebach, Prof. Thomas	Leicester
Essam, Prof. John W.	RHUL
Evans, Prof. David M.	UEA
Evans, Dr. Edward A.	St.Mary's U. C.
Everett, Prof. M. G.	Greenwich

F	
Fairbairn, B.	Birmingham
Falconer, Prof. K. J.	St. Andrews
Fenner, Dr. Trevor I.	Birkbeck
Firby, Dr. Peter A.	Exeter
Fleischmann, Prof. P.	Kent
Forbes, Dr. A.D.	Open
Fountoulakis, Dr. N.	Birmingham

G	
Galbraith, Dr. Steven	RHUL
Gao, Rong	Essex
Gardiner, Dr. Tony D.	Birmingham
Gasieniec, Leszek	Liverpool
Georgiou, Dr. Nicholas	Bristol
Gerke, Dr. Stefanie	RHUL
Gibson, Dr. J. Keith	Birkbeck

Gilder, John.	Manchester
Gillett, Dr. Raphael T.	Leicester
Gilmour, Prof. S. G.	QMUL
Glass, Prof. Celia A.	City
Goldberg, Prof. Leslie A.	Liverpool
Goldberg, Dr. Paul W	Liverpool
Goodall, Dr. Andrew J.	Bristol
Gordon, Dr. Neil A.	Hull
Gowers, Prof. W. Tim	Cambridge
Grannell, Prof. Mike J.	Open
Grant, Joseph	Bristol
Gray, Dr. Robert	St. Andrews
Green, Prof. B.	Cambridge
Griggs, Prof. Terry	Open
Grimm, Uwe	Open
Gutin, Prof. Gregory	RHUL
Gwynllyw, Dr. Rhys	West of England

H

Haigh, Claude W.	Swansea
Haight, Dr. John A.	UCL, London
Hall, Dr. Rhiannon	Brunel
Hauser, Dr. Raphael	Oxford
Helfgott, Dr. Harald	Bristol
Henderson, Matthew	Swansea
Heuer, Manuela	Open

van den Heuvel, Prof. J.	LSE
Higgins, Prof. Peter M.	Essex
Hill, Prof. Ray	Salford
Hilton, Prof. A. J.W.	Reading
Hirschfeld, Prof. J.W.P.	Sussex
Hoffman de Visme, Ivan	Charterhouse School
Holroyd, Dr. Fred C.	Open
Howard, Dr. John	LSE
Huczynska, Dr. Sophie	St. Andrews
Hughes, Dr. Lesley A	Ystrad Mynach College
Hughes Jones, R.	RHUL
Hunt, Dr. Francis	Glamorgan
Hunter, Gordon J.A.	Kingston University
Hurley, Steve	Cardiff
Hutton, Jamie	Sussex

I	
Irving, Dr. Rob.	Glasgow

J	
Jackson, Prof. Bill	QMUL
Jackson, Dr. Penelope S.	Stirling
James, Prof. Gordon D.	Imperial
Jarrett, David F.	Middlesex

Jefferies, Dr. Nigel P.	Vodafone Group R&D
Jennings, Dr. Sylvia	London South Bank
Jerrum, Prof. Mark	QMUL
Jha, Dr. Vikram	Glasgow Caledonian
Johnson, Dr. Jeffrey H.	Open
Johnson, Dr. Matthew	Durham
Johnson, Dr. J. Robert	QMUL
Johnstone, Dr. W. Roy	Reading
Jones, Prof. Gareth A.	Southampton
Jones, Dr. Mark C. W.	Kingston
Jurdzinski, Dr. Marcin	Warwick

K

Karapetyan, Daniel	RHUL
Kayibi, Dr. Koko	QMUL
Keedwell, Dr. A. D.	Surrey
Keevash, Dr. Peter	QMUL
Kelly, L.	Birmingham
Kemp, Prof. David	St Andrews
Kemp, Dr. Freda	St Andrews
Kenneth, R	UEA
Kim, Eun Jung	RHUL
King, Dr. Oliver H.	Newcastle
King, Prof. R. C.	Southampton
Kisil, V.V.	Leeds

Klopsch, Dr. B.	RHUL
Kovalenko, I	UNL
Koster, Dr. Arie	Warwick
Krasikov, Dr. Ilia	Brunel
Krasovsky, Dr. Igor	Brunel
Krokhin, Andrei	Durham
Krysta, Dr. Piotr	Liverpool
Kühn, Dr. D.	Birmingham
Kurtz, Cornelius	UEA
Kusuma, Josephine	QMUL

L	
Lachish, Dr. Oded	Warwick
Laczkovich, Prof M.	UCL
Lamb, Dr. John D.	Aberdeen
Larcombe, Dr. P. J.	Derby
Larman, Prof. David G.	UCL
Launois, Dr. S.	Kent
Lawson, Dr. Mark V.	Heriot-Watt
Laycock, Dr. P.J.	Manchester
Leader, Prof. I.B.	Cambridge
Leese, Dr. Robert	Oxford
Liebeck, Prof. M.	Imperial College
Li'enart, E.	Goldsmiths
Linton, Prof. S. A.	St. Andrews

Lloyd, Dr. E. Keith	Southampton
Lockett, Ms. D.C.	QMUL
Loizou, Prof. George	Birkbeck
Lovegrove, Graham J.	Open
Lozin, Dr. Vadim	Warwick
Luczak, Dr. Malwina	LSE
Lyle, Dr. Sinead	UEA

M	
Macdonald, Prof. I. G.	QMUL
Macpherson, Prof. H. D.	Leeds
Makroglou, Dr. Athena	Portsmouth
Malik, Mr. N. Shane	Essex.
Manlove, Dr. David	Glasgow
Manning, Stephanie M.	Vodafone Group R&D
Manns, Mr. Tom	Portsmouth
Marsh, Dr. Robert J.	Leeds
Martin, Prof. K.	RHUL
Martin, Dr. Nigel	Durham
Martin, Dr. Russell	Liverpool
Matthews, James	Edinburgh.
Mavron, Prof. Vassili C.	Aberystwyth
Maynard, Dr. Philip	UEA
McAlpine, Kenneth M.	Abertay
McCabe, Dr. John H.	St. Andrews
McDermid, Mr. Eric	Glasgow

McDiarmid, Prof. C. J.H.	Oxford
McDonough, Dr. T. P.	Aberystwyth
McKee, Dr. James	RHUL
McLeod, Dr. Jeanette	Bristol
McMullen, Prof. Peter	UCL
Mireles Morales, D.	RHUL
Mitchell, Prof. Chris J.	RHUL
Mitchell, Dr. James D.	St. Andrews
Mitchell Dr. Jane M.O.	Open
Mitra, Prof. Gautam	Brunel
Mladenović, Dr. Nenad	Brunel
Morris, Prof. Alun O.	Aberystwyth
Mörters, Prof. Peter	Bath
Muller, Haiko	Leeds
Müller, Prof. T. W.	QMUL
Murphy, Prof. Sean P.	RHUL
Mycroft, R.	Birmingham
Myers, Dr. J.S.	Cambridge

N	
Nagarajan, Dr. Rajagopal	Warwick
Neuenhoffer, Dr. M.	St. Andrews
Ng, Dr. S.	RHUL
Noble, Dr. Steven	Brunel

Norman, Dr. Chris W.	RHUL
Novak, Julia	RHUL

O	
O'Connor, Dr. John J.	St. Andrews
Olsen, Dr. Lars	St. Andrews
O'Neill, Alexander	QMUL
Osthus, Dr. D.	Birmingham
O'Toole, L.	RHUL

P	
Page, Tom	RHUL
Paget, Dr. Rowena E	Kent
Panov, Taras	Manchester
Paris, Prof. Jeff	Manchester
Parker, Prof. C.W.	Birmingham
Parks, David	Open
Paterson, Prof. Kenny	RHUL
Paterson, Dr. Maura	RHUL
Paterson, Prof. Mike	Warwick
Payne, Prof. Roger W.	Rothamsted
Penman, Dr. David	Essex
Penrose, Prof. Mathew	Bath
Perkins, Dr. Stephanie	Glamorgan
Petridis, George	Cambridge

Pflügel, Dr. Eckhard	Kingston
Philpotts, Adam R.	Nottingham
Pinch, Dr. R.G.E.	GCHQ, Cheltenham
Piper, Prof. Fred	RHUL
Piper, Greg	UEA
Poghosyan, Anush	West of England
Potts, Prof. Chris N.	Southampton
Powell, Dr. Susan	LSE, London
Pratt, F.	Staffordshire
Preece, Prof. Donald A.	QMUL and Kent
Prellberg, Dr. Thomas	QMUL
Prendiville, Sean	Bristol
Prince, Dr. Alan R.	Heriot-Watt
Pu, Dr. Ida	Goldsmiths, London

Q	
Quick, Dr. Martyn R.	St. Andrews
Quinn, Dr. Kathleen A.S.	Open

R	
Rackham, Laurence	RHUL
Raecke, Dr. Harald	Warwick
Ray, Prof. Nigel	Manchester
Rees, Prof. Sarah E.	Newcastle
Reuter, A.	Imperial

Riley, Dr. Tim	Bristol
Riordan, Prof. O.	Oxford
Robertshaw, Dr. A.	ONS
Robertson, Prof. E F.	St. Andrews
Rogers, Prof. C. A	UCL
Roney-Dougal, Dr. C. M.	St. Andrews
Rooney, Dr. Joe	Open
Rowley, Dr. C. A.	Open
Rowley, Dr. Peter J.	Manchester
Rowlinson, Prof. Peter	Stirling
Rudd, Jason	QMUL
Rudloff, C.	UEA
Rudnev, Dr. Misha	Bristol
Ruprai, Raminder	RHUL
Ruškuc, Prof. Nik	St Andrews
Russell, Dr. P.A.	Cambridge
Rutherford, Dr. Carrie	London South Bank

S	
Saker, Dr. C. J.	Essex
Salhi, Dr. A.	Essex
Sands, Dr. Arthur D.	Dundee
Sanders, A.J.	Cambridge
Sandling, Dr. Robert	Manchester
Savani, Dr. Rahul	Warwick

Saxl, Prof. Jan	Cambridge
Scott, Prof. Alex D.	Oxford
Sendova-Franks, Dr. A	West of England.
Sezgin, S.	UCL
Shakhlevich, Natasha	Leeds
Shank, Dr. R. J.	Kent
Shareef, Dr. F.	QMUL
Shaw, Prof. Ron	Hull
Shawe-Taylor, Prof. J. S.	Southampton
Shreeve, Richard I.	Royal Grammar School
Siemons, Dr. I. Johannes	UEA
Sing, Dr. Bernd	Bath
Singerman, Prof. David	Southampton
Singmaster, Prof. D. B.	London South Bank
Širáń, Prof. Jozef	Open
Skokan, Jozef	LSE
Skyner, Tony	Bristol
Smith, Prof. Derek H.	Glamorgan
Sng, Colin	Glasgow
Soicher, Dr. Leonard H.	QMUL
Sokal, Prof. A. D	UCL
Solleimanfallah, A.	RHUL
Solomon, Prof. Allan I.	Open
Spencer, Claire	Reading
Srinivasan, S.	RHUL
Stark, Dr. D. S.	QMUL

von Stengel, Prof. B.	LSE
Steinberg, Dr. R.	Cambridge
Stewart, Fraser	Dundee
Stewart, Prof. Iain A	Durham
Stirling, Dr. David S.G.	Reading
Stratmann, Dr. Bernd	St Andrews
Stratton, Dr. Anthony E.	Exeter
Strusevich, Dr. V. A.	Greenwich

T	
Talbot, Dr. J.M.	UCL
Talbot, Dr. Richard F.	Staffordshire
Tarzi, Dr. S.	QMUL
Thiel, Dr. Stefan	Vodafone Group
Thomas, Dr. A. D.	Swansea
Thomas, Prof. Richard M.	Leicester
Thomason, Prof. A. G.	Cambridge
Thompson, Katie	UEA
Tiskin, Dr. Alex	Warwick
Treglown, A.	Birmingham
Truss, Prof. John K.	Leeds

V	
Vámos, Prof. Peter	Exeter

Vaughan, Emil	QMUL
Vdovina, Dr. Alina	Newcastle
Vernitski, Dr. Alexei	Essex
Vincent, Robert	UEA
Vowden, Dr. Barry J.	Kent
Vuskovic, Kristina	Leeds

W

Wagner, Peter	Cambridge
Walker, Dr. Grant	Manchester
Walker, Dr. Keith	Keele
Walker, Prof. Mike	Vodafone Group/RHUL
Walters, Dr. Mark	QMUL
Waters, Dr. R.J.	Bristol
Waters, Steven	Glasgow Caledonian
Watson, Adam	QMUL
Watts, Ivor	Open
Webb, Dr. Bridget S.	Open
Welham, Sue	Rothamsted
Welsh, Prof. Dominic	Oxford
Wensley, Dr. Chris D.	Bangor
Whitaker, Roger	Cardiff
White, Dr. Lynda V.	ICL, London
Whitty, Prof. Robin W.	London South Bank
Wild, Prof. Peter R.	RHUL
Williams, Dr. Gerald	Essex

Williams, Prof. H. Paul	LSE
Wilson, Prof. Robert A.	QMUL
Wilson, Prof. Robin J.	Open
Winter, Prof. Andreas	Bristol
Wisewell, Dr. Laura	UCL
Wong, Dr Prudence W H	Liverpool
Woodall, Dr. Douglas R.	Nottingham
Woodcock, Dr. C. F.	Kent
Wright, R.	Vodafone Group
Wu, Taoyang	QMUL

Y	
Yeo, Dr. A.	RHUL
Young, A.	Birmingham

Z	
Zalesskii, Prof. A.E.	UEA
Zarkh, Alexander	Brunel
Zito, Dr. Michele	Liverpool
Zsak, Dr. Andras	Cambridge
Zverovich, Dr. Vadim	West of England

List B

Combinatorial staff, research students, lecture courses and seminars at departments in Britain.

An asterisk denotes a contact name from whom further information can be obtained.

Under some entries the combinatorial journals currently being taken are listed; a key to the titles is as follows:

A	Aequationes Mathematicae	N	Discrete Mathematics
B	Algebra Universalis	O	Discussiones Mathematicae: GraphTheory
C	Ars Combinatorica	P	European Journal of Combinatorics
D	Australasian Journal of Combinatorics	Q	Finite Fields and Applications
E	Biometrics	R	Geometriae Dedicata
F	Biometrika	S	Graphs and Combinatorics
G	Bulletin of the Institute of Combinatorics and itsApplications	T	IEEE Transactions on Information Theory
H	Combinatorica	U	Journal of Algebraic Combinatorics
I	Combinatorics, Probability and Computing	V	Journal of Combinatorial Designs
J	Design, Codes and Cryptography	W	Journal of Combinatorial Mathematics and Combinatorial Computing
L	Discrete and Computational Geometry	X	Journal of Combinatorial Theory Series A
M	Discrete Applied Mathematics	Y	Journal of Combinatorial Theory Series B
a	Journal of Geometry	Z	Journal of Cryptology
b	Journal of Graph Theory	f	Order
c	Journal of Statistical Planning and Inference	g	Random Structures and Algorithms
d	Linear Algebra and its Applications	h	SIAM Journal on Discrete Mathematics
e	Networks	i	Utilitas Mathematica

UNIVERSITY OF ABERDEEN

Business School University of Aberdeen, Edward Wright Building, Dunbar Street, Old Aberdeen, AB24 3QY. Tel: 01224 272167
http://www.abdn.ac.uk/business
Dr J.D. Lamb* (graphs, matroids, combinatorial optimisation)

Lecture Courses: There are a number of general discrete mathematics courses.

Current Periodicals; A, B, E, F, H, I, J, L, M, N, P, Q, R, T, V, W, Z, d, g (some electronic access only).

ABERYSTWYTH UNIVERSITY

Institute of Mathematics & Physics Aberystwyth University, Aberystwyth, SY23 3BZ. Tel: 01970 622802 Fax: 01970 6227777
http://www.aber.ac.uk/maps/en/
Prof. V.C. Mavron* (designs, codes)
Dr. T. P. McDonough (designs, permutation groups, codes)
Prof. A.O. Morris (Emeritus: representation theory and algebraic combinatorics)

Research student
C Andreou (Regular Hadamard Matrices)

Lecture courses Graphs and Network (22 lectures, Prof. Mavron)
Discrete Mathematics (22 lectures, Prof. Mavron)

Current periodicals: P, U, h

BANGOR UNIVERSITY

School of Computer Science University of Bangor, Dean Street, Bangor, Gwynedd LL57 1UT. Tel: 01248 382686 Fax: 01248 361429
http://www.math.bangor.ac.uk/
Dr. C.D. Wensley* (combinatorial group theory, combinatorial species)

UNIVERSITY OF BATH

Department of Mathematical Sciences University of Bath, Bath, BA2 7AY Tel: 01225 386989 Fax: 01225 386492
http://www.bath.ac.uk/math-sci
Prof. Peter Mörters (Probability, including random walks and random networks)
Prof. Mathew Penrose (probability theory, geometric random graphs)
Dr. Bernd Sing* (aperiodic tilings and sequences, enumerative combinatorics, applications to physics)

Research students
Adam Kinnison (random walks on random trees, Prof. Mörters)
Marcel Ortgiese (directed polymers in random environments, Prof. Mörters)
Parkpoom Phetpradap (intersections of random walks, Prof. Mörters)
Tom Rosoman (topics in random geometric graphs, e.g. percolation thresholds: Prof. Penrose)

Forthcoming visitors to Bath in probability (often interacting with combinatorics) are listed at http://www.maths.bath.ac.uk/~ak257/pab/pab.html

Seminar Informal Probability Seminar (Friday 12.00, Dr. Alex Cox) may be relevant.

Current Periodicals: A, B, D, E, F, H, J, L, M, N, P, Q, R, S, T, U,V, X, Y, Z, a, b, c, d, e, f, g, h. Most of these are electronic access only (sometimes only after a fixed date) but E and F are paper access.

BIRKBECK COLLEGE
School of Economics, Mathematics and Statistics Birkbeck College, Malet Street, London WC1E 7HX. Tel: 0207 631 6428 Fax: 0207 631 6416
http://www.econ.bbk.ac.uk
Dr. A. Bowler* (symmetric designs, combinatorial matrices, permutation groups)

School of Computer Science and Information Systems Birkbeck College, Malet Street, London WC1E 7HX. Tel: 0207 631 6700 Fax: 0207 631 6727
http://www.dcs.bbk.ac.uk
Prof. T.I. Fenner (combinatorial algorithms, probabilistic algorithms, random graphs)
Dr. K. Gibson (cryptography, combinatorial algorithms)
Prof. G. Loizou (combinatorial algorithms)

UNIVERSITY OF BIRMINGHAM
School of Mathematics University of Birmingham, Edgbaston, Birmingham B15 2TT. Tel: 0121 414 6587 Fax: 0121 414 3389
http://www.mat.bham.ac.uk
Dr. P. Butkovič (Combinatorial Optimisation)
Dr. D. Christofides (graph theory, Ramsey theory)
Prof. R.T. Curtis (Combinatorial Algebra)
Dr. Nikolaos Fontoulakis (Random graphs, Extremal Combinatorics)
Dr. A.D. Gardiner (Combinatorics)
Dr. D. Kühn (Graph Theory, Probabilistic Methods)
Dr. D. Osthus* (Graph theory, Probabilistic Methods, Randomized Algorithms)

Research Students
O. Cooley (Ramsey theorey and extremal graph theory, Dr. Kühn)

B. Fairbairn (Combinatorial Algebra, Prof. Curtis)
L. Kelly (Cycles in directed graphs, Dr. Osthus).
R. Mycroft (Hypergraph embedding problems, Dr. Osthus)
A. Treglown (Graph Packing problems, Dr. Kühn)

Lecture courses
Discrete Mathematics (22 lectures, 1st year, Dr. Gardiner)
Combinatorial Optimisation (22 lectures, 3rd year, Dr. Butkovič)
Combinatorics (22 lectures, 3rd and 4th year, Dr. Kühn)
Communication Theory (22 lectures, 3rd and 4th year, Dr. Osthus)
Computability (22 lectures, 3rd and 4th years, Dr. Osthus)
Advanced Topics in Combinatorics (22, 4th year, Dr. Kühn)

Seminar Combinatorics Research Seminar (Thursdays at 3.00 p.m., Dr. Kühn and Dr. Osthus)

UNIVERSITY OF BRISTOL

Department of Mathematics University of Bristol, University Walk, Bristol, BS8 1TW, Tel: 0117 928 7978, Fax: 0117 928 7999.
http://www.maths.bris.ac.uk
Dr. Harald Helfgott (combinatorial number theory)
Dr. Tim Riley (algorithmic complexity and geometry, formal languages, planar graphs)
Dr. Misha Rudnev (harmonic analysis, geometric combinatorics, hard Erdős problems)
Prof. Andreas Winter (quantum and classical information theory).

Research Fellows
Dr. Robert Brignall (permutation patterns, relational structures, partial well order, antichains in partial orders)
Dr. Nicholas Georgiou* (random structures, partially ordered sets)
Dr. Andrew Goodall (algebraic graph theory)
Dr. Jeanette McLeod (graph colouring, Latin squares and asymptotic enumeration)
Dr. Robert Waters (graph colouring, graph minors, infinite graph theory)

Research Students
Joseph Grant (representation theory, Dr. Joseph Chuang)
Sean Prendiville (additive and combinatorial number theory: Prof. Trevor Wooley).
Tony Skyner (representation theory: Dr. Chuang)

Lecture Courses
Discrete Mathematics I (48 lectures, 1st year)
Discrete Mathematics II (12 lectures, 2nd year)
Optimisation 2 (36 lectures, 2nd year)

Information Theory (18 lectures, 3rd year)
Experimental Design (18 lectures, 3rd year)
Computational Complexity Theory (20 lectures, 3rd year)
Optimisation 3 (36 lectures, 3rd year)
Quantum Information Theory (16 lectures, 4th year)

Current Periodicals: A, B, E, F, H, I, J, L, M, N, P, Q, R, S, T, U, V, X, Y, Z, a, b, c, d, e, f, g, h (electronic). E, h (paper):, plus some old paper copies of A, B, F, H, J, L, M, N, R, T, X, Y, b, d, i.

BRUNEL UNIVERSITY
Department of Mathematical Sciences Brunel University, Kingston Lane, Uxbridge, Middlesex UB8 3PH. Tel: 01895 265745 Fax: 01895 265732
http://www.brunel.ac.uk/about/acad/siscm/maths
Dr. Rhiannon Hall (matroids, graphs)
Dr. Ilia Krasikov (graph theory, combinatorics, coding theory, number theory, orthogonal polynomials)
Dr. Igor Krasovsky (random matrices, orthogonal polynomials)
Prof. Gautam Mitra (combinatorial optimisation)
Dr. Nenad Mladenović (metaheuristic methods in combinatorial and global optimization, location, transportation, clustering and data mining)
Dr. Steven Noble* (combinatorics, graph theory)

Research Students
Nicole Eggemann (Scale-free networks, Dr. Noble)
Alexander Zarkh (Discrete Orthogonal Polynomials, Dr. Krasikov).

Lecture courses
Encryption and Data Compression (48 lectures, 3rd year, Dr. Krasikov)
Algebra and Discrete Mathematics (48 lectures, 2nd year, Dr. Krasikov and Dr. Savin)
Discrete Mathematics, Probability and Statistics (48 lectures, 1st year, Dr. Shaw and Mrs. Browne)

Working paper series Technical Reports of Department of Mathematics (Ms. B. Curr)

Current Periodicals: A, B, F, H, I, J, L, M, N, P, Q, R, S, U, V, X, Y, Z, a, b, c, d, e, f, g (electronic only).

UNIVERSITY OF CAMBRIDGE
Department of Pure Mathematics and Mathematical Statistics Centre for Mathematical Sciences, Wilberforce Rd, Cambridge CB3 0WB. Tel: 01223 337999 Fax: 01223 337920
http://www.dpmms.cam.ac.uk/
Prof. W.T. Gowers (Trinity)

Prof. B. Green (Trinity)
Prof. I.B. Leader* (Trinity)
Prof. J. Saxl (Caius)
Prof. A. Thomason (Clare)

Fellows
Prof. B. Bollobás (Trinity)
Dr. H.T. Croft (Peterhouse)
Dr. O.M. Riordan (King's)
Dr. P. A. Russell (Emmanuel)
Dr. T. Sanders (Christ's)
Dr. M. Walters (Peterhouse)

Judge Business School Trumpington Street, Cambridge CB2 1AG Tel: 01223 339700
Fax: 01223 339701
http://www.jbs.cam.ac.uk/
Dr R. Steinberg*
Dr. R. J. Waters

Research students
Mansur Boase (Prof. Gowers)
P. Candela Pokorna (Prof. Gowers)
Demetres Christofides (Prof. Leader)
Tom Coker (Prof. Bollobás)
David Conlon (Prof. Gowers)
David Ellis (Prof. Leader)
Gonzalo Fitz-Ponteveros (Prof. Gowers)
Simon Griffiths (Prof. Leader)
John Haslegrave (Prof. Bollobás)
Allan Lo (Prof. Thomason)
Edward Marchant (Prof. Thomason)
Vicky Neale (Prof. Green)
George Petridis (Prof. Gowers)
Tom Sanders (Prof. Gowers)
Peter Wagner (Prof. Thomason)
Julia Wolf (Prof. Gowers)

Lecture courses
Numbers and Sets (24 lectures, 1st year, Prof. Leader)
Graph Theory (24 lectures, 3rd year, Dr. Riordan)
Coding and Cryptography (24 lectures, 3rd year)
Combinatorics (16 lectures, Part 3, Prof. Thomason)
Ramsey Theory (16 lectures, Part 3, Prof. Leader)
Combinatorial Probability (16 lectures, Part 3, Prof. Bollobás)

Seminar Combinatorics (Thursdays at 2.30 p.m.)

UNIVERSITY OF CARDIFF
School of Computer Science Cardiff University, Queen's Buildings, Newport Road, PO Box 916, Cardiff CF24 3XF. Tel: 029 2087 4812 Fax: 029 2087 4598
http://www.cs.cardiff.ac.uk/
S.M. Allen* (mobile communications, frequency assignment, combinatorial optimisation, latin squares)
S. Hurley (mobile communications, frequency assignment, combinatorial optimisation)
R. Whitaker (mobile communications, frequency assignment, combinatorial optimisation, latin squares)

Lecture courses
Discrete mathematics I (1st year)
Discrete mathematics II (2nd year)
Information Security (3rd year)
Optimisation and Meta-Heuristics (3rd year)
Discrete mathematics (M.Sc.)

CITY UNIVERSITY LONDON
Faculty of Actuarial Science and Statistics Cass Business School, 106 Bunhill Row, London EC1Y 8TZ Tel: 020 7040 8959 Fax: 020 7040 8572
http://www.cass.city.ac.uk/facact
Prof. C. Glass* (operation research).

UNIVERSITY OF DERBY
Derbyshire Business School Faculty of Business, Computing and Law, University of Derby, Kedleston Road, Derby DE22 1GB. Tel: 01332 591892
http://www.derby.ac.uk/dbs/

Dr. Peter J. Larcombe* (hypergeometric function theory, generating functions, binomial coefficient sums)

*Research student***:** James Clapperton (Dr. Larcombe)

*Lecture courses***:** None

*Current periodicals***:** None

UNIVERSITY OF DUNDEE
School of Computing University of Dundee, Dundee DD1 4HN. Tel: 01382 384151 Fax: 01382 385509
http://www.computing.dundee.ac.uk
Dr. K.J. Edwards* (Graph colourings, graph decompositions, complexity)

Division of Mathematics University of Dundee, 23 Perth Road, Dundee DD1 4HN. Tel. 01382 384471 Fax 01382 385516
http://www.maths.dundee.ac.uk
Sands, Dr. Arthur (retired: Combinatorial problems on finite Abelian groups)

Research student F. Stewart (Dr. Edwards).

Lecture Courses: Information Theory and Cryptography (M.Sc.)

Current Periodicals: T, V, b, d

DURHAM UNIVERSITY
Department of Mathematical Sciences University of Durham, South Road, Durham DH1 3LE. Tel: 0191 374 2349 Fax: 0191 374 7388
http://www.maths.dur.ac.uk
Dr. N. Martin* (graph decompositions)

Department of Computer Science Science Laboratories, South Road, Durham DH1 3LE Tel: 0191 33 41700 Fax: 0191 33 41701
http://www.dur.ac.uk/computer.science
Dr. M. Bordewich (discrete mathematics, theoretical computer science)
Prof. H. Broersma (graph theory, computational complexity, telecommunications)
Dr. T. Friedetsky (algorithms)
Dr. M. Johnson* (graph theory, combinatorial optimization, combinatorial designs)
Dr. A. Krokhin (combinatorics, homomorphisms, complexity)
Dr. D. Paulusma (graph theory, algorithms, complexity, game theory)
Prof. I.A. Stewart (graph theory and algorithms, computational complexity)
Dr. S. Szeider (combinatorics, satisfiability)

Research Staff
Dr Catarina Carvalho (constraint satisfaction, semigroup theory)
Dr Barnaby Martin (Computational complexity; finite model theory, proof complexity)

Research Students
James Gate
Pim van 't Hof (exact algorithms for NP-hard problems: Dr. Paulusma)
Ioannis Lignos
Luke Mathieson (parametrized complexity, Dr. Szeider).
Lars Nagel
Mark Rhodes (linear-programming based proof systems: Dr. Dantchev)
Yonghong Xiang (interconnection networks for parallel computing: Prof. Broersma and Prof. Stewart).

UNIVERSITY OF EAST ANGLIA, NORWICH
School of Mathematics University of East Anglia, Norwich NR4 7TJ. Tel: 01603

456161 Fax: 01603 259515
http://www.mth.uea.ac.uk
Prof. A.R. Camina (block designs, finite groups)
Dr. M. Džamonja (logic, set theory, infinite combinatorics)
Prof. D. M. Evans (permutation groups, automorphism groups of infinite structures)
Dr. S. Lyle (representation theory).
Dr. I. J. Siemons* (permutation groups, topological and homological methods)
Prof A.E. Zalesskii (group theory, ring theory)

Research students
Mr. S. Alder (simplicial geometries, Dr Siemons)
M. Ferreira (Dr. Evans)
Y. Lazou (Dr. Džamonja)
T. McKay (Dr. Siemons)
T. Phongpattanacharoen (reconstruction, Dr. Siemons)
J. De la Rue (model theory and infinite permutation groups, Dr. Evans)
F. Shaikh (model theory and set theory, Dr. Džamonja)
D. Smith (representations of linear groups and combinatorial applications, Dr. Siemons)
M. Wong (Dr. Evans)

Lecture courses (check availability):
Discrete Mathematics (2nd year)
Set theory (3rd year)
Infinite permutation groups (4th year, p/g)
Representation Theory (3rd year)
Graph theory (3rd year)
Group theory (3rd year)
Computability (3rd year)
Model theory (3rd year)

UNIVERSITY OF EDINBURGH
School of Informatics 2 Buccleuch Place, Edinburgh EH8 9LW Tel. 0131 650 2691 Fax: 0131 650 6626
http://www.inf.ed.ac.uk
Dr. Mary Cryan* (algorithms and complexity)

Research students
Paídí Creed (Dr. Cryan)
James Matthews (Dr. Cryan).

Lecture Courses
Algorithms and Data Structures (3rd year)
Computability and Intractability (3rd year, MSc)
Computational Complexity (4th year)

Current Periodicals: E, H, M, T, X, Y

UNIVERSITY OF ESSEX
Department of Mathematical Sciences University of Essex, Wivenhoe Park, Colchester CO4 3SQ. Tel: 01206 873040 Fax: 01206 873043
http://www.essex.ac.uk/maths
Dr. D. Branson (retired: applied probability, combinatorics of Stirling numbers)
Prof. P.M. Higgins (combinatorics of algebraic semigroup theory, cryptography)
Dr. David Penman* (random and pseudo-random graphs)
Dr. Chris Saker (combinatorics on words, semigroup theory, cryptography)
Dr. A. Salhi (combinatorial optimisation)
Dr. Alexei Vernitski (algebra, combinatorics, computer security)
Dr. Gerald Williams (computational group theory)

Research students
Andria Eleftheriou (reliability of graphs (M.Phil), Dr. Penman: part-time)
Rong Gao (colourings of pseudo-random graphs, Dr. Penman)
Zsofia Juhasz (partially ordered sets, Dr. Vernitski)
Shane Malik (extremal Ramsey graphs, Dr. Penman)

Lecture Courses
Graph Theory (3rd year, Dr. Penman) (30 lectures)
Codes and Cryptography (Prof. Higgins, 3rd year) (30 lectures)
Combinatorial optimisation (Dr. Salhi, 3rd year) (30 lectures)

Current periodicals: H, P, h.

UNIVERSITY OF EXETER
Department of Mathematical Sciences University of Exeter, North Park Road, Exeter EX4 4QE. Tel: 01392 264464 Fax: 01392 263997
http://www.maths.ex.ac.uk/indexpage

Dr. R. J. Chapman* (finite fields,coding theory, enumerative combinatorics)
Dr. P. A. Firby (p/t) (distance and heterogeneity in graphs, applications to mathematical biology)
Prof. P. Vámos (representation of matroids)

Lecture courses
Discrete Mathematics (30 lectures, 1st year, Dr. Chapman)
Graph theory (33 lectures, 3rd year, Dr. Firby)
Coding Theory (33 lectures, 3rd year, Dr. Stratton)

Current periodicals: C, D, W

UNIVERSITY OF GLAMORGAN

Division of Mathematics and Statistics University of Glamorgan, Pontypridd, Mid Glamorgan CF37 1DL. Tel: 01443 482136 Fax: 01443 482169
http://fat.glam.ac.uk/about/structure/mathsandstats
Dr. F. Hunt (graph theory, coding theory, signal sets with low correlation)
Dr. S. Perkins (coding theory, synchronization)
Prof. D. H. Smith* (coding theory, frequency assignment, network reliability)

Research students
Niema Aboluion (Mathematical software for coding theory, Prof. Smith)
Sian Jones (Properties of Sudoku puzzles and their variants, Dr. Perkins)
Ryan Davies (Properties of Kakuro-type puzzles, Dr. Perkins)

Lecture courses
Codes and Information (3rd year, Prof. Smith, Dr. Perkins)
Combinatorics and Network flows (2nd year, Dr. Perkins and Prof. Smith)
Combinatorics (2nd year, Dr. Perkins)

Current periodicals: J, N, T, X, Y, e. T is online only after Vol. 51. J only from 2004.

UNIVERSITY OF GLASGOW
Department of Mathematics University of Glasgow, University Gardens, Glasgow G12 8QW. Tel: 0141 330 5176 Fax: 0141 330 4111
http://www.maths.gla.ac.uk
Dr. I. Anderson (retired: designs, whist tournaments)
Prof. S.D. Cohen (application of finite fields)

Department of Computing Science 17 Lilybank Gardens, Glasgow G12 8QQ Tel: 0141 330 4256 Fax: 0141 330 4913
http://www.dcs.gla.ac.uk
Dr. R.W. Irving* (combinatorial and graph algorithms)
Dr. D.F. Manlove (combinatorial and graph algorithms)

Research Staff Dr. Peter Biró

Research students
Eric McDermid (2nd year, Dr. Irving)

Lecture courses
Discrete mathematics (24 lectures, 3rd year, Dr. R. Steiner)
Graphs and networks (22 lectures, 2nd year, Dr. W. Stothers)
Algorithmics 3 (3rd year, Dr. Irving)
Algorithmics 4 (4th year, Dr. Manlove)

Current periodicals: C, O, i (paper only)
E, F, V, b, h (paper and electronic)

M, N, P, Q, T, X, Y, c (electronic only).

GLASGOW CALEDONIAN UNIVERSITY
School of Computing and Mathematical Sciences Glasgow Caledonian University, Cowcaddens Road, Glasgow G4 0BA. Tel: 0141 331 3609 Fax: 0141 331 3005
http://www.gcal.ac.uk/cms
Dr. V. Jha* (finite geometries)

Current periodicals: none

GOLDSMITHS COLLEGE
Department of Computing Goldsmiths College, University of London, New Cross, London SE14 6NW. Tel: 0207 919 7850 Fax: 0207 919 7853
http://www.mcs.gold.ac.uk
Dr. I. Pu* (combinatorial algorithms, randomized, parallel, probabilistic and average case algorithmics)

Lecture courses
Discrete Mathematics (1st year)
Graph Theory (3rd year)
Data Structures and algorithms (2nd year, Dr. Pu)

Current Periodicals: X, Y, b

GOVERNMENT COMMUNICATIONS HEADQUARTERS
Priors Road, Cheltenham GL52 5AJ. Tel: 01242 221491 Fax: 01242 226816

C.C. Cocks (Chief Mathematician)
Dr. R.G.E. Pinch*

UNIVERSITY OF GREENWICH
School of Computing and Mathematical Sciences University of Greenwich, London, SE18 6PF Tel: 0208 316 8000 Fax: 0208 855 4033
http://cms1.gre.ac.uk
Prof. V.A. Strusevich (combinatorial optimization, scheduling theory)
Current Periodicals: T

HERIOT-WATT UNIVERSITY
Department of Mathematics Heriot-Watt University, Riccarton, Edinburgh EH14 4AS. Tel: 0131 451 3221 Fax: 0131 451 3249
http://www.ma.hw.ac.uk/maths.html
Dr. M.V.Lawson (semigroup theory, combinatorics on words)

Dr. A.R. Prince* (finite geometries, finite group theory)

Department of Actuarial Mathematics and Statistics Heriot-Watt University, Riccarton, Edinburgh EH14 4AS. Tel: 0131 451 3202 Fax: 0131 451 3249
http://www.ma.hw.ac.uk/ams.html
Dr. Jennie Hansen (probabilistic combinatorics)

Lecture course Discrete mathematics (45 lectures, 3rd year honours degree, Dr. Prince)

Current periodicals: E, F, I, c, g, h

UNIVERSITY OF HULL
Centre for Mathematics University of Hull, Cottingham Road, Hull HU6 7RX. Tel: 01482 465885 Fax: 01482 466218
http://www.hull.ac.uk/maths/
Prof. R. Shaw* (Emeritus, finite geometry)

Department of Computer Science University of Hull, Hull HU6 7RX Tel: 01482 465951/465067 Fax: 01482 466666
http://www.net.dcs.hull.ac.uk/
Dr. N.A. Gordon (465038) (finite geometry, computer algebra)

Research report series http://www.hull.ac.uk/php/masrs/

Current periodicals: J (electronic access only), T

IMPERIAL COLLEGE LONDON
Department of Mathematics Imperial College London, London SW7 2AZ. Tel: 0207 594 8517 Fax: 0207 594 8483
http://www.ma.ic.ac.uk
Prof. G.D. James
Prof. M. Liebeck
Dr. O. Pretzel

KEELE UNIVERSITY
Department of Mathematics Keele University, Keele, Staffordshire ST5 5BG. Tel: 01782 583258 Fax: 01782 584268
http://www.keele.ac.uk/depts/ma/maths.html
Dr. D. Bedford* (latin squares; designs)
Dr. J. Preater (applied probability, random graphs)
Mr. K. Walker (graphs)

Lecture courses
Graph theory (30 lectures, 3rd year, Dr. Bedford)
Discrete mathematics (30 lectures, 3rd year, Dr. Bedford)

Current periodicals: E, F, H, S, V, X, Y, b, h

UNIVERSITY OF KENT
Institute of Mathematics, Statistics and Actuarial Science Cornwallis Building, University of Kent, Canterbury, Kent CT2 7NF. Tel: 01227 827181 Fax: 01227 827932
http://www.kent.ac.uk/IMS/
Dr. G. D. Brown (toric geometry)
G.M. Clarke (non-orthogonal Graeco-Latin designs)
Prof. P. Fleischmann (algebraic combinatorics, root systems, Mobius function)
Dr. S. Launois (*q*-calculus)
Dr. R. E. Paget* (representation theory of symmetric groups, cellular algebras)
Prof. D. A. Preece (Graeco-Latin designs, nested BIBDs, single-change covering designs, neighbour designs)
Dr. R. J. Shank (modular invariant theory)
Dr. B. J. Vowden (Graeco-Latin designs)
Dr. C. F. Woodcock (orthogonal Latin squares)

Research students
Hamid Ahmedinezad (Dr. Brown).
Jonathan Elmer (Prof. Fleischmann)
Jorge Nélio Marques Ferreira (Prof. Fleischmann)
Ashley Hobson (Dr. Shank)
Claire Pollard (Prof. Fleischmann).

Lecture courses
Discrete mathematics (36 lectures, 3rd year, Dr. Woodcock)
Computational algebra (36 lectures, 3rd year, Prof. Fleischmann)

Current periodicals: E, F, T
(electronic access to A, B, H, J, L, M, N, P, Q, R, S, U, V, X, Y, Z, a, b, c, d, e, f, g)

KING'S COLLEGE LONDON
Department of Computer Science King's College, Strand, London, WC2R 2LS Tel 020 7848 2588 Fax: 020 7848 2851
http://www.dcs.kcl.ac.uk
Dr Colin Cooper* (random graphs, random algorithms)

KINGSTON UNIVERSITY
Faculty of Computing, Information Science and Mathematics Kingston University, Penrhyn Road, Kingston-upon-Thames, KT1 2EE
http://cism.kingston.ac.uk/
Dr. Gordon J. A. Hunter* (Applications of graph theory to Natural Language Modelling, Statistical Physics and Computational Networks)

Dr. Mark Jones (Number Ttheory and Cryptography)
Dr. Eckhard Pflügel (Cryptography and Information Security)

Lecture courses
Mathematical Programming (final year BSc, Dr. Jones)
Internet security (final year BSc, Dr. Pflügel);
Cryptography (MSc, Dr. Pflügel)

The Department runs MSc Programmes in Network & Information Security, Networking & Data Communications.

Current periodicals: E, F, N, P, X, Y

UNIVERSITY OF LANCASTER
Department of Mathematics and Statistics Fylde College, University of Lancaster, Lancaster LA1 4YF. Tel: 01524 593960 Fax: 01524 592681
http://www.maths.lancs.ac.uk
Prof. A.G. Chetwynd* (combinatorial applications in statistics)
Current periodicals: E, F, T, Y, b, e

UNIVERSITY OF LEEDS
School of Mathematics University of Leeds, Leeds LS2 9JT. Tel: 0113 3435140 Fax: 0113 3435090.
http://amsta.leeds.ac.uk
Prof. S.B. Cooper (graph theory, Ramsey theory, finite set systems)
Dr. D. R. Gray (semigroups, automorphism groups of graphs, digraphs, partial orders).
Dr. V.V. Kisil (Applications of coherent states, wavelet transform and group representations in quantum mechanics, combinatorics, etc).
Prof. H.D. Macpherson (permutation groups and related combinatorics)
Dr. Robert Marsh (quantum groups, algebraic groups, Lie algebras)
Prof. J.K. Truss (permutation groups, automorphisms of ordered structures)

School of Computing University of Leeds, Leeds LS6 2HN Tel. 0113 343 5430 Fax 0113 343 5468
http://www.scs.leeds.ac.uk
Prof. Martin Dyer* (algorithms and complexity)
Dr. Haiko Muller (algorithms, graph theory)
Dr. Natasha Shakhlevich (deterministic scheduling theory, combinatorial optimisation, computational complexity)
Dr. Kristina Vuskovic (graph theory, algorithms and combinatorial optimisation)

Postdoctoral Researcher
Ton Kloks (graph theory and algorithms).

Research Students

Alessandro Condota (Prof. Dyer and Dr. Shakhlevich).
Ragab Elageili (Prof. Truss)
Andrew Handley (amorphous computation, Dr. N. Cohen and Prof. Dyer)
Simon Rose (Prof. Truss)
David Knipe (automorphism groups of partial orders, Prof. Truss)
Velumailum Mohanaraj (amorphous computing and random graphs, Prof. Dyer).
Feresiano Mwesigye (theories of linear orders, Prof. Truss)
Murilo V.G. da Silva (even-hole-free graphs, Dr. Vuskovic).
Pietro dello Stritto (model theory for generalised polygons and BN pairs, Prof. MacPherson)
Richard Marshall (model theory of finite structures, Prof. Macpherson)

Lecture courses
Introduction to Discrete Mathematics (22 lectures, 2nd year, Prof. Truss)
Graph theory (22 lectures, 3rd year, Prof. Cooper)
Combinatorics (22 lectures, 3rd year, Dr. Allenby)
Introduction to Algorithms
Theory of computation
Computational graph theory and complexity
Modern issues in algorithmic design

Working Paper series http://www.maths.leeds.ac.uk/Pure/preprints (Pure Mathematics) and http://www.scs.leeds.ac.uk/research/pubs/reports.shtml (Computer Science)

Current periodicals: P, X, Y

UNIVERSITY OF LEICESTER
School of Mathematics and Computer Science University of Leicester, University Road, Leicester LE1 7RH. Tel: 0116 2523887 Fax: 0116 2523604
http://www.mcs.le.ac.uk
Dr. T. Erlebach (combinatorial optimization, approximation algorithms, algorithmic graph theory)
Prof. R.M. Thomas* (combinatorial group and semigroup theory, automata theory)

School of Psychology The University of Leicester, University Road, Leicester LE1 7RH, UK Tel: 0116 2522170
http://www.le.ac.uk/psychology
Dr. R.T. Gillett

Lecture courses
Logic and Discrete Structures (40 lectures, 1st year, Dr. de Vries)
Algorithms and Data Structures (30 lectures, 1st year, Dr. Schmitt)
Automata, Languages and Computation (30 lectures, 2nd year, Prof. Thomas)
Analysis and Design of Algorithms (30 lectures, 3rd year, Dr. Fung)
Cryptography and Information Security (30 lectures, 3rd year, Dr. Fung)
Discrete Event Systems (24 lectures, M.Sc., Prof. Thomas)
Game Theory in Computer Science (24 lectures, M.Sc., Prof. Erlebach).

Seminars There is a regular seminar program, see
http://www.cs.le.ac.uk/seminars/
http://www2.le.ac.uk/departments/mathematics/research/pure/colloquium
http://www2.le.ac.uk/departments/mathematics/research/applied/applied_seminar

Research Reports See (printed copies available on request)
http://www.cs.le.ac.uk/publications/
http://www.math.le.ac.uk/RESEARCH/RES_REP/

http://www.cs.le.ac.uk/publications
Current periodicals: E, F, M, N, T, X, Y, b, d, h (paper)
E, F, M, N, P, Q, R, T, U, X, Y, b, c, d, e, f, g, h (electronic)

UNIVERSITY OF LIVERPOOL
Department of Computer Science University of Liverpool, Ashton Building, Liverpool L69 3BX, United Kingdom. Tel. 0151 795 4276 Fax: 0151 795 4235.
http://www.csc.liv.ac.uk/
Prof. L.A. Goldberg* (combinatorial algorithms, complexity of counting and sampling)
Dr. P.W. Goldberg (algorithmic game theory)
Dr. P. Krysta (algorithmic game theory)
Dr. R. Martin (enumerative combinatorics)
Dr. P.W.H. Wong (combinatorial algorithms, scheduling, packing)
Dr. M. Zito (algorithms and complexity, random structures)

Research Fellow
Markus Jalsenius (Markov chain algorithms)

Research Students
Iain G. Kelly (colouring random graphs, Dr. Zito)
Antony McCabe (Tutte polynomial, Prof. L. Goldberg)
Andrew McGrae (colouring, random graphs, Dr Zito)
Patarawit Polpinit (algorithmic game theory, Dr P. Goldberg)

Lecture courses:
Comp108 Algorithmic Foundations (1st year)
Comp202 Complexity of Algorithms (2nd year)
Comp308 Efficient Parallel Algorithms (3rd year)
Comp309 Efficient Sequential Algorithms (3rd year)
Comp523 Advanced Algorithmic Techniques (M.Sc.)
Comp526 Applied Algorithmics (M.Sc.)

Seminar:

Complexity Theory and Algorithmics Seminar, Thursdays 3:15.

LONDON SCHOOL OF ECONOMICS

Department of Mathematics London School of Economics, Houghton Street, London WC2A 2AE. Tel: 0207 955 7732 Fax: 0207 955 6877
http://www.maths.lse.ac.uk
Prof. Steve Alpern (ergodic theory, game theory, search theory)
Prof. Martin Anthony (computational learning theory, neural networks, theory of computing)
Dr. Tugkan Batu (randomized computation, algorithms on massive data sets, property testing, statistical testing, streaming algorithms)
Prof. Norman Biggs (algebraic graph theory, history of combinatorics, applications in physics and finance)
Prof. Graham Brightwell* (partially ordered sets, random structures)
Prof. Jan van den Heuvel (graph theory, discrete mathematics, applications)
Dr. Malwina Luczak (probability and discrete mathematics)
Dr. Jozef Skokan (quasi-randomness, applications of the regularity lemma, numbers in Ramsey theory)
Prof. Bernhard von Stengel (game theory and complexity)

Operational Research Group, Department of Management. London School of Economics, Houghton Street, London WC2A 2AE Tel: 0207 955 7653 Fax: 0207 955 6885
http://www.lse.ac.uk/collections/operationalResearch
Prof. Gautam Appa (orthogonal latin squares, mixed integer programming, robust regression)
Dr. Susan Powell (mathematical programming and combinatorial optimization, operational research)
Prof. Paul Williams (linear and integer programming)

Research students
Peter Allen (combinatorics, Prof. Brightwell)
Anne Balthasar (game theory, Prof. von Stengel)
Raju Chinthalapti (computational learning theory, Prof. Anthony)
Marianne Fairthorne (combinatorics, Prof. Brightwell)
David Ferguson
Wan Huang (game theory, Prof. von Stengel)
Julian Merschen (game theory, Prof. von Stengel)
Viresh Patel (combinatorics, Prof. Brightwell and Prof. van den Heuvel).
Zibo Xu

Research Reports http://www.cdam.lse.ac.uk/Reports/ Details and reports can be requested from Jackie Everid, (info@maths.lse.ac.uk, 0207 955 7732)

Lecture courses
Discrete Mathematics (20 lectures, 2nd year, Dr. Skokan)

Combinatorial Optimization (20 lectures, M.Sc., Prof. Appa)
Theory of Algorithms (20 lectures, 3rd year, Prof. von Stengel)
Computational Learning Theory and Neural Networks (20 lectures, M.Sc., Dr. Batu)
Algorithms and Computation (20 lectures, M.Sc., Prof. von Stengel)
Discrete Mathematics and Complexity (20 lectures, M.Sc., Dr. Skokan)
Information, Communication and Cryptography (20 lectures, M.Sc., Prof. Biggs)

Seminars Seminar on Discrete and Applicable Mathematics, Thursdays 2:00 (Dr. Luczak)
CDAM Informal Workshop, Fridays 12:00 (Dr. Skokan)
http://www.cdam.lse.ac.uk/Seminar

LONDON SOUTH BANK UNIVERSITY
Faculty of Business, Computing and Information Management B.C.I.M., London South Bank University, 103 Borough Road, London SE1 0AA. Tel: 0207 928 8989 Fax: 0207 815 7793
http://www.lsbu.ac.uk/bcim
Dr. Sylvia Jennings (coding theory, text compression)
Dr. Carrie Rutherford (matroid theory)
Prof. Robin Whitty* (Graph theoretical modelling of human memory)

Visiting Professor: David Singmaster (recreational mathematics)

Lecture courses
Discrete mathematics occurs in the first year of all the computing courses (Dr. Jennings, Dr. Rutherford, Prof. Whitty).
Applications of combinatorics appear in 1st and 2nd year courses in financial mathematics (Dr. Rutherford)
Option in Applied Cryptography occurs in the final year (Dr. Jennings)
Option in Theory of Computation occurs in the final year.

Working Paper Series http://myweb.lsbu.ac.uk/~whitty/MathsStudyGroup

Current periodicals: T

UNIVERSITY OF MANCHESTER
School of Mathematics University of Manchester, Oxford Road, Manchester M13 9PL. Tel: 0161 275 5800 Fax: 0161 275 5819
http://www.manchester.ac.uk/maths/
Prof. A.V. Borovik (matroids and generalisations, Coxeter matroids, Coxeter groups)
Prof. R.M. Bryant (groups and Lie algebras)
Prof. P.J. Laycock (emeritus: experimental design)
Prof. J. Paris (logic, including interactions with combinatorics)
Prof. N. Ray* (umbral calculus, chromatic polynomials, posets of partitions and permutations, permutation matrices, Hopf algebras and quantum structures, Toric varieties and polytopes)

Prof. P.J. Rowley (group theory)
Dr. R. Sandling (block designs)
Dr. G. Walker (modular representation theory, symmetric functions, Schur functions, partitions, Young tableaux, pictures)

Lecture courses
Discrete mathematics (24 lectures, 2nd year, Dr. Mark Muldoon)
Combinatorics and Number Theory (24 lectures, 3rd year, Dr. Gabor Megyesi)
Coding theory (24 lectures, 3rd year, Dr. Peter Symonds)
Mathematical Programming (24 lectures, 3rd year, Dr. Mike Tso)
Knot Theory (24 lectures, 3rd year, Prof. Ray)
Computational Complexity (24 lectures, 3rd /4th year, Prof. Paris).

Current periodicals: C,D,E,F,K,L,P,R,S,N,U,X,Y

MIDDLESEX UNIVERSITY
Economics and Statistics Department Middlesex University Business School, The Burroughs, London, NW4 4BT Tel: 020 8411 6824
http://mubs.mdx.ac.uk/Subjects/Mathematics
Dr Thomas D. Bending* (Bent functions; finite geometries; lotteries).
David F. Jarrett (Graph Theory applied to traffic modelling)

Lecture Courses
Models in Management Science (M. Sc.)

Current Periodicals: F, V, b, e (all available both on paper and electronically).

UNIVERSITY OF NEWCASTLE UPON TYNE
School of Mathematics and Statistics Newcastle University, Newcastle upon Tyne NE1 7RU. Tel: 0191 222 6000 Fax: 0191 222 8020
http://www.ncl.ac.uk/math/
Dr. J.R. Britnell (finite classical groups, cycle index methods for matrix groups, pairwise generating sets for finite 2-generator groups)
Dr. A.J. Duncan (combinatorial group theory, one-relator products of groups, decision problems and equations over presentations of groups)
Dr. O.H. King* (subgroup structure of classical groups, finite geometry)
Prof. S. Rees (algorithms in group theory and geometry, automatic groups and related classes of groups, connections between group theory and formal language theory)
Dr. Alina Vdovina (geometric group theory, noncommutative geometry, knot theory, Riemannian geometry)

Lecture courses
Enumeration and Combinatorics (24 lectures, 2nd year, Dr. Duncan)
Geometries and Designs (24 lectures, 3rd year, Dr. King)
Coding Theory (24 lectures, 3rd year, Dr. Britnell).

Current periodicals: A, B, F, H, I, J, L, M, N, P, Q, R, S, T, U, V, X, Y, a, c, d, e, f, g. These are mostly electronic access only, but F, P, R, T, U, X, c, d are paper-access too.

UNIVERSITY OF NOTTINGHAM
School of Mathematical Sciences University of Nottingham, University Park, Nottingham NG7 2RD. Tel: 0115 951 4949 Fax: 0115 951 4951
http://www.maths.nottingham.ac.uk
Dr. D.R. Woodall* (graph colourings, chromatic polynomials, electoral systems)

Research students A.R. Philpotts (Dr. Woodall)

Lecture courses
Introductory Graph Theory (30 lectures, 3rd year, Dr. Diamantis)
Combinatorics (30 lectures, 3rd year, Prof. Hoffmann)
Coding and cryptography (30 lectures, 3rd year, Dr. Wuthrich)

Current periodicals: several (electronic access only).

THE OPEN UNIVERSITY
Department of Mathematics and Statistics The Open University, Walton Hall, Milton Keynes MK7 6AA. Tel: 01908 653479 Fax: 01908 653744
http://www.mathematics.open.ac.uk/
Dr. K. M. Chicot (infinite combinatorics)
Prof. M. J. Grannell (combinatorial design theory, combinatorial computing, Steiner systems)
Prof. T. S. Griggs (combinatorial design theory, combinatorial computing, Steiner systems)
Dr. U. Grimm (enumerative combinatorics, words, tilings, applications to physics)
Dr. F. C. Holroyd (fractional graph colourings, graceful and related tree labellings, Erdős-Ko-Rado properties of graphs)
Dr. K. A. S. Quinn* (designs and their applications)
Dr. C. A. Rowley (design of experiments, problems in document science)
Prof . J. Širáň (topological graph theory, Cayley graphs)
Dr. B. S. Webb (automorphisms of designs, Latin squares, infinite designs)
Prof. R.J . Wilson (history of graph theory and combinatorics, graph colourings)

Department of Design, DPP, Environment and Mechanical Engineering, Faculty of Mathematics, Computing and Technology'.
aculty of Technology The Open University, Walton Hall, Milton Keynes MK7 6AA. Tel. 01908 652944 Fax 01908 654052
http://technology.open.ac.uk
Dr. A. K. Dolan (networks)
Dr. J. H. Johnson (networks, complex systems, computer vision, transportation systems)
Dr. J. Rooney (robotics, kinematic geometry, Clifford algebras, differential geometry,

screw theory, tensegrity structures)

Department of Physics and Astronomy Faculty of Science, The Open University, Walton Hall, Milton Keynes MK7 6AA.
http://physics.open.ac.uk/
Prof. A. I. Solomon (combinatorial physics, integer sequences)

Visiting research fellow Dr. A.D. Forbes (combinatorial designs)

Research students
M. Heuer (combinatorial aspects of sequences and tilings: Dr. Grimm, Prof. Baake (University of Bielefeld) and Dr. Umerski (Open University)).
G. J. Lovegrove (automorphisms of designs: Prof. Grannell, Prof. Griggs and Dr. Quinn: part-time)
D. Parks (graph theory in America, 1860-1940: Prof. Wilson: part-time)
I. Watts (graph homomorphisms, generalisations of graph colourings: Dr. Holroyd: part-time)

Courses M336: Groups and Geometry (3rd year)
MT365: Graphs, networks and design (3rd year)
M836: Coding Theory (M.Sc.).

Current periodicals: A, C, D, E, F, H, J, N, P, S, V, W, X, Y, b, i.

UNIVERSITY OF OXFORD
The Mathematical Institute 24-29 St. Giles, Oxford OX1 3LB. Tel: 01865 273525 Fax: 01865 273583
http://www.maths.ox.ac.uk
Dr. R. Leese (channel assignment problems)
Prof. Oliver Riordan (combinatorics, graph theory)
Prof. Alex Scott (combinatorics, graph theory)
Prof. D. J. A. Welsh (applied probability, complexity)

Department of Statistics 1 South Parks Road, Oxford OX1 3TG. Tel: 01865 272860 Fax: 01865 272595
http://www.stats.ox.ac.uk
Dr. Louigi Addario-Berry (combinatorics)
Prof. C. J. H. McDiarmid* (probability and algorithms, probabilistic methods in combinatorics, colouring problems)
Dr. James Martin (probability theory, links to statistical physics and theoretical computer science)
Prof. Gesine Reinert (network statistics (including small world graphs), applied probability).

Computing Laboratory Wolfson Building, Parks Road, Oxford OX1 3QD Tel: 01865

73838 Fax: 01856 73839
http://web.comlab.ox.ac.uk/oucl/
Dr Raphael Hauser (continuous optimization, applied probability).
Dr. Stephan Kreutzer (computational logic, logic and graph theory, finite model theory, graph searching games, verification and verification games, model checking, database theory).

Research students
Christopher Dowden (Prof. McDiarmid)
Hiu Fai Law (Prof. Scott)
Kaisheng Lin (Prof Reinert)
Tom Rackham (Prof. Scott)
Bilyana Shoilkova (Prof. McDiarmid)
Atsushi Tateno (Prof. Scott)
Matthew White (Prof. Scott).

Lecture courses
Combinatorial optimisation (16 lectures, 2nd year, Prof. McDiarmid)
Communication theory (16 lectures, 3rd year, Dr. Stirzaker)
Integer programming (16 lectures, 3rd year, Dr. Hauser)
Graph Theory (16 lectures, 4th year, Prof. Scott)
Probabilistic Combinatorics (16 lectures, 4th year, Dr. Martin)
Percolation (16 lectures, 4th year and postgraduate, Prof. Riordan).

Seminar Combinatorial theory (Tuesdays at 2.30 p.m.)

Current periodicals: D, E, J, K, L, N, P, Q, T, Y

UNIVERSITY OF PORTSMOUTH
Department of Mathematics Buckingham Building, Lion Terrace, Portsmouth, Hampshire PO1 3HE Tel: 023 9284 6367 Fax: 023 9284 6364
http://www.port.ac.uk/departments/academic/maths
Dr. A. Makroglou*

Current periodicals: X, Y, b

QUEEN MARY, UNIVERSITY OF LONDON
School of Mathematical Sciences *(Mathematics Research Centre)* Queen Mary, University of London, Mile End Road, London E1 4NS. Tel: 0207 975 5440 Fax: 0208 980 9587
http://www.maths.qmul.ac.uk/
Prof. D. K. Arrowsmith (graph colourings, percolation theory, interaction models and knot invariants)
Prof. R. A. Bailey (design of experiments,latin squares and their generalisations, designs for complicated block structures, association schemes, partition species)

Dr. J. N. Bray (group theory)
Prof. P. J. Cameron* (groups and their operands, graphs, codes, designs, models, orbits and enumeration)
Prof. Bill Jackson (graph theory)
Prof. Mark Jerrum (computational complexity, probabilistic computation, the complexity of combinatorial enumeration)
Dr. J. Robert. Johnson (graph theory and combinatorics)
Dr. Peter Keevash (hypergraph theory)
Prof. Thomas Müller (group theory, combinatorics, analysis)
Dr. T. Prellberg (statistical mechanics, dynamics, enumerative combinatorics)
Dr. L. H. Soicher (computational group theory, graph theory, finite geometry, design theory)
Dr. D. S. Stark (probability and combinatorics)
Dr. Mark. Walters (probabilistic combinatorics, percolation, extremal problems)
Prof. R. A. Wilson (computational group theory)

Researchers
Dr. John Arhin (existence and structure of SOMAS).
Prof. Anthony Hilton (Professorial fellow: graph theory, design theory, finite set systems)
Dr Koko Kayibi (graph and matroid polynomials)
Dr Mike Newman (research fellow: algebraic combinatorics, quantum computing)
Prof. Donald Preece (Professorial fellow: design theory)
Dr. Sam Tarzi (graph theory)

Research students
Fatma Al-Kharoosi (coding theory, Prof. Cameron)
Michael Brough (graph theory: Prof. Jackson)
Josephine Kusuma (coding theory, Prof. Cameron)
Debbie Lockett (homogeneous structures, Prof. Cameron)
Federico Montecalvo (covering designs, Prof. Cameron)
Alexander O'Neill (graph theory: Prof. Cameron)
Jason Rudd (graph and matroid polynomials, Prof. Cameron)
Adam Watson (graph theory, matroid theory, rigidity, Prof. Jackson)
Taoyang Wu (Network coding, Dr. Riis/Prof. Cameron)
Emil Vaughan (graph theory and statistics, Prof. Cameron)

Lecture courses
Graph Theory and Applications (36 lectures, 2nd year, Dr. Keevash)
Combinatorics (36 lectures, 3rd year, Prof. Cameron)
Coding Theory (36 lectures, 3rd year, Prof. Jerrum)
Cryptography (36 lectures, 3rd year, Prof. Wilson)
Enumerative and Asymptotic Combinatorics (24 lectures, M.Sc., Prof. Müller)
Projective and Polar Spaces (24 lectures, M.Sc., Prof. Cameron)

Seminars Combinatorics study group (Prof. Cameron, Fridays 4:30pm)
Design of Experiments (Dr. Coad, Thursday 4:30pm)

Pure Mathematics (Dr. Tomasic, Monday 4:30pm)

Current periodicals: B, E, F, H, P, R, T, U, X, Y, g

UNIVERSITY OF READING
Department of Mathematics University of Reading, Whiteknights, P.O. Box 220 Reading, Berks RG6 6AX. Tel: 0118 378 8996 Fax: 0118 931 3423
http://www.extra.rdg.ac.uk/Maths/index.asp
Dr. J. K. Dugdale (graph theory)
Prof. A. J. W. Hilton* (graph theory, design theory, finite set systems)
Dr.W. R. Johnstone (graph theory)
Dr. D. S. G. Stirling (graph theory)

Honorary fellow Dr. D. C. Daykin

Research Students Claire Spencer (extremal finite set theory: Prof. Hilton)

Lecture courses
Combinatorics (20 lectures, 1st year, Dr Dugdale)
Combinatorics (40 lectures, 3rd year, Dr. Dugdale, Prof. Hilton)
Graph theory (40 lectures, 3rd year, Dr. Dugdale, Prof. Hilton)
Combinatorics (20 lectures, 3rd year, Prof. Hilton)

Research seminar Combinatorics seminar (Mondays at 3 p.m.)
Current periodicals: C, N, P, S, X, Y, b

ROTHAMSTED EXPERIMENTAL STATION
Biomathematics Unit IACR - Rothamsted, Harpenden, Herts AL5 5RJ Tel: 01582 763133 Fax: 01582 4671166
http://www.rothamsted.bbsrc.ac.uk
Prof. R.W. Payne* (Statistical computing, design and analysis of experiments, identification keys and diagnostic tables, statistical modelling)
Sue Welham (REML estimation of various components, neighbour effects, design of laboratory experiments, statistical modelling)

C*urrent periodicals*: E, F

ROYAL HOLLOWAY, UNIVERSITY OF LONDON
Department of Mathematics Royal Holloway, Egham Hill, Egham, Surrey TW20 0EX. Tel: 01784 443093 Fax: 01784 430766
http://www.ma.rhul.ac.uk
Prof. S. Blackburn (enumeration of groups, applications of algebraic methods to data communications, coding theory, cryptography)
Dr. C. Cid (cryptography, security, computational algebra)
Dr. R.M. Damerell (algebraic combinatorics, computing applications)
Dr. C. Elsholtz* (combinatorial number theory, prime numbers)
Prof. J.W. Essam (applications of graph theory, combinatorics, numerical analysis and

computing techniques to problems in critical phenomena theory, in particular to phase transitions, conduction in disordered materials, polymer science, epidemic models and cellular automata)
Dr. S. Gerke (graph theory, combinatorics, random structures and algorithms)
Dr. B. Klopsch (group theory, additive combinatorics)
Dr. K.M. Martin (cryptography and information security)
Prof. C. Mitchell (cryptography and information security)
Prof. S.P. Murphy (spatial probability, cryptography)
Dr. C.W. Norman (algebraic topics)
Prof. K. Paterson (cryptography and coding)
Prof. F.C. Piper (algebraic combinatorics: finite geometry, theory of designs, coding theory, cryptography)
Prof. P.R. Wild (algebraic combinatorics: designs and difference sets, statistical applications, applications of discrete mathematics to data communications, coding theory, cryptography)

Visiting Professors Prof. N. Stephens, Prof. M. Walker (Vodafone Ltd).

Postdoctoral Researcher Dr. M. B. Paterson

Department of Computer Science Royal Holloway, Egham Hill, Egham, Surrey TW20 0EX. Tel: 01784 443421 Fax: 01784 443420
http://www.cs.rhul.ac.uk
Prof. D. Cohen (constraint satisfaction, graphs and hypergraphs)
Prof. Z.G. Gutin (graphs and combinatorics, combinatorial optimisation)
Dr. A Yeo (graphs and combinatorics, combinatorial optimisation)

Research students
M. Albrecht (algebraic aspects of cryptography: Dr. Cid)
D. Appel (group theory: Dr. Klopsch)
J. Birkett (security, asymmetric cryptography: Dr. Dent).
L. Chen (Role-Based Access Control: Dr. Crampton)
J. Cho (key management, secure protocol design for mobile communications)
R. Hughes-Jones (combinatorics, Prof. Blackburn)
D. Karapateyan (Prof. Gutin)
Eun Jung Kim (Prof. Gutin)
D. Mireles Morales (abelian varieties, algorithmic number theory, applications in cryptography: Dr. Galbraith)
J. Novak (formerly J. Bate) (combinatorial key management techniques: Dr. Martin).
R. S. Ruprai (elliptic curves, Dr. Galbraith)
A Soleimanfallah
S Srinivasan (cryptography, network security, provable security: Prof. Paterson)
L. O'Toole (DES, MARS, feistel networks)
T. Page (hash structures: Dr. Martin)
L. Rackham (combinatorial number theory. Dr. Elsholtz).
M.J. Saarinen (theoretical and engineering aspects of computer security)
L. Stringer (combinatorics and group theory: Prof. Blackburn).

Lecture courses

Discrete mathematics (33 lectures, 2nd year, Dr. Elsholtz)
Cipher systems (33 lectures, 3rd year, Dr. Ng)
Error correcting codes (33 lectures, 3rd year, Dr. Audenaert)
Game theory (33 lectures, 3rd year, Dr. Sheer)
Theory of error correcting codes (44 lectures, p/g, Dr.Audenaert)
Channels (33 lectures, p/g, Dr.Audenaert)
Combinatorics (33 lectures, p/g, Dr. Gerke)
Network Algorithms (44 lectures, p/g, Dr. McKee)
Public Key Cryptography (33 lectures, p/g, Prof. Blackburn).
Advanced Cypher Systems (44 lectures, p/g, Dr. Ng)
Applications of Field Theory (33 lectures, p/g, Dr. Klopsch)

The Department of Mathematics runs taught M.Sc. programmes in Information Security, Mathematics of Cryptography and Communications, and Mathematics for Applications.

Seminars Pure Maths Seminar (Dr. Elsholtz) (Tuesdays at 4.00 p.m. in room 219).

Current periodicals: E, F, H, J, M, N, P, S, T, X, b, h (all available hard copy, some also available electronically).

UNIVERSITY OF ST. ANDREWS
School of Mathematics and Statistics The Mathematical Institute, North Haugh, St. Andrews, Fife KY16 9SS. Tel: 01334 463745 Fax: 01334 463748
http://www.mcs.st-and.ac.uk
Dr. A. J. Cain (combinatorial semigroup theory and automatic structures)
Dr. C. M. Campbell (combinatorial group theory, combinatorics of semigroup presentations)
R. L. Constable (combinatorics)
Prof. K. J. Falconer (combinatorial geometry)
Dr. R. Gray (combinatorial semigroup and group theory, classification of sufficiently symmetric relational structures)
Dr. S. Huczynska (Applications of finite fields, permutation arrays, combinatorial designs)
Dr. A.W. Kemp (combinatorial applications in statistics)
Prof. C. D. Kemp (combinatorial applications in statistics)
Dr. J. H. McCabe (graph theory, number theory)
Dr. J. D. Mitchell (combinatorial and topological aspects of group and semigroup theory)
Dr. J. J. O'Connor (combinatorial group theory)
Dr. L. Olsen (analysis and combinatorics)
Dr. M. R. Quick (group theory)
Prof. E. F. Robertson (combinatorial group theory, combinatorics of semigroup presentations)
Dr. C. M. Roney-Dougal* (finite permutation and matrix groups, computational group

theory, constraint programming).
Prof. N. Ruškuc (combinatorics of words, mappings, permutations: combinatorial semigroup theory)
Dr. B. O. Stratmann (combinatorial group theory, Kleinian groups)

School of Computer Science North Haugh, St Andrews, Fife KY16 9SS.
Tel: 01334 463253 Fax: 01334 463278
http://www.dcs.st-and.ac.uk
Prof. S. A. Linton (computational algebra: systems, algorithms and applications)

Research Students
Mr J. M.Bagnall (generation questions in finite groups, Dr. Quick)
Miss F. T. Brunk (extremal questions on partial permutations and posets, Dr. Huczynska and Prof. Ruškuc).
Mr A. M. H. Connelly
Miss H. J. Coutts (finite permutation and matrix groups, Dr. Quick and Dr. Roney-Dougal)
Mr A. Distler (enumeration of finite semigroups, Dr. Mitchell and Prof. Ruškuc)
Mr V. Maltcev (semigroup theory: Dr. Mitchell and Prof. Ruškuc)
Ms S. A. Munday (Fuchsian groups and Diophantine Analysis, Dr Stratmann)
Mr Y. Negi
Mr Y. H. Peresse (Generation questions in infinite transformation semigroups, Dr. Mitchell and Dr. Quick).
Mr A. J. Samuel (Noncommutative fractal geometry, Dr. Stratmann)
Miss N. Snigireva

Forthcoming visitors:
Michael Albert, Otago, Dunedin, New Zealand, (August-December 2008, pattern classes of permutations, combinatorics of relational structures)
Rebecca Smith, SUNY Brockport, August 2008, pattern classes of permutations
Prof. M. Urbanski (Univ. North Texas): End of May (1 week)
Alexei Vernitski, Essex, June 2008, combinatorics on words
Lecture courses
Discrete mathematics (56 lectures, 2nd year)
Finite mathematics (24 lectures, 3rd/4th year, alternate years)
Graphs (24 lectures, 3rd/4th year, alternate years)
Various courses involving algorithms and complexity at 3rd/4th year level.

Seminars Pure Mathematics Colloquium 4pm Thursdays
Algebra and Combinatorics Seminar 4pm Wednesdays

Current periodicals: A, B, E, F, H, J, L, M, N, P, Q, R, S, U, V, X, Y, Z, a, b, c, d, e,f, g (all electronically only).

UNIVERSITY OF SALFORD
Mathematics Section, School of Computing, Science and Engineering University of

Salford, Salford M5 4WT. Tel: 0161 295 4635
http://www.cse.salford.ac.uk
Prof. R. Hill* (coding theory, finite geometry)
Current periodicals: T

UNIVERSITY OF SOUTHAMPTON
School of Mathematics University of Southampton, Southampton SO17 1BJ. Tel: 023 8059 3612 Fax: 023 8059 5147
http://www.maths.soton.ac.uk
Prof. G. A. Jones (permutation groups, connections between groups and graphs)
Prof. R. C. King (representations theory of Lie algebra and superalgebras, applications in Physics)
Dr. E. K. Lloyd* (combinatorics and graph theory including applications and history)
Prof. C. N. Potts (combinatorial optimization and scheduling)
Prof. D. Singerman (discontinous groups with applications to Riemann surfaces and the theory of maps)

Department of Management 023 8059 3966
http://www.management.soton.ac.uk
Dr. Julia A. Bennell

Lecture courses
Combinatorics and Graph theory (13 lectures, 1st year, Dr. Ann Hirst)
Theory of numbers (36 lectures, 3rd/4th year, Dr. Mary Jones)
Scheduling (10 lectures, M.Sc., Prof. Potts)
Algorithms (36 lectures, 2nd year, Prof. Jones)
Information and coding Theory (36 lectures, 3rd year, Prof. Jones)
Algorithms, machines and languages (36 lectures, 3rd/4th year, Prof. Jones)
Finite Mathematics (36 lectures, 3rd /4th year, Dr. Jim Renshaw)
Graph Theory (36 lectures, 3rd/4th year, Dr. Renshaw)

Current periodicals: A, C, E, F, M, N, P, R, T, X, Y

STAFFORDSHIRE UNIVERSITY
Division of Mathematics and Statistics School of Computing, Staffordshire University, Leek Road, Stoke-on-Trent, ST4 2AZ. Tel/Fax: 01782 294026
http://www.soc.staffs.ac.uk
Prof. Brian Burrows
Dr. Sarah Easton*
Mr. Fred Pratt

UNIVERSITY OF STIRLING
Mathematics and Statistics Group, Department of Computing Science & Mathematics
The University of Stirling, Dept. of Computing Science and Mathematics, Stirling, Scotland FK9 4LA. Tel: 01786 467460 Fax: 01786 464551
http://www.cs.stir.ac.uk/maths/
Dr. P.S. Jackson (algebraic graph theory)

Emeritus Prof. P. Rowlinson* (algebraic graph theory)

Lecture courses
Discrete structures (44 lectures, 1st year)
Combinatorics (32 lectures, 3rd/4th year, alternate years)
Algebra and codes (32 lectures, 3rd/4th year, alternate years)

Current periodicals: F (electronic), H (electronic), Y (hardcopy).

UNIVERSITY OF SURREY
Department of Mathematics University of Surrey, Guildford, Surrey GU2 7XH. Tel: 01483 300800 Fax: 01483 686071
http://www.maths.surrey.ac.uk
Honorary Visiting Senior Research Fellow Dr. A.D. Keedwell* (Latin squares and quasigroups, finite projective planes, coding theory)

Lecture courses
Groups and symmetry (30 lectures, 2nd year, Dr. L. Avramidou)
Algebra and Codes (30 lectures, 2nd year, Dr. D. Fisher)
Galois theory (3rd year, 30 lectures, Dr. D. Fisher)
Experimental design (30 lectures, 2nd year, Dr J. D. Godolphin)

Current periodicals: C, E, F, i (paper), T (electronic).

UNIVERSITY OF SUSSEX
Department of Mathematics University of Sussex, Brighton, East Sussex BN1 9RF. Tel: 01273 877345 Fax: 01273 678097
http://www.sussex.ac.uk/maths
Prof. J.W.P. Hirschfeld* (finite geometry, algebraic geometry, coding theory)

Research students
Najm Al-Seraji (coding theory, Prof. Hirschfeld)
Emad Al-Zangana (coding theory, Prof. Hirschfeld)
Gary Cook (coding theory, Prof. Hirschfeld)
Jamie Hutton (coding theory, Prof. Hirschfeld)

Lecture courses
Groups and Rings (30 lectures, 3rd/4th year, Dr. R. Fenn)
Coding Theory (36 lectures, 3rd/4th year, Prof. Hirschfeld)

Research reports http://www.sussex.ac.uk/maths/1-4-5.html.

Current periodicals: c

SWANSEA UNIVERSITY
Mathematics Department Swansea University, Singleton Park, Swansea SA2 8PP Tel: 01792 295457 Fax: 01792 295843
http://www-maths.swan.ac.uk
Dr. F. W. Clarke
Dr. A.D. Thomas

Lecture courses
Combinatorics (20 lectures, 3rd year)
Applied algebra (40 lectures, 3rd year, Dr. Clarke)

UNIVERSITY COLLEGE LONDON
Department of Mathematics University College London, Gower Street, London WC1E 6BT. Tel: 020 7679 2839 Fax: 020 7383 5519
http://www.ucl.ac.uk/Mathematics
Prof. K.M. Ball (convex and discrete geometry, functional analysis)
Prof. I. Bárány (convex geometry, geometry of numbers, theory of integer programming)
Prof. M. Csőrnyei (real analysis)
Dr. J.A. Haight (combinatorial number theory, measure theory, ramsey theory, logic)
Prof. M. Laczkovich (real analysis)
Prof. D.G. Larman (geometric analysis, combinatorics)
Prof. P. McMullen (emeritus: convexity, regular polytopes)
Prof. A. Sokal (combinatorial aspects of mathematical physics)
Dr. J. Talbot* (combinatorics, complexity theory)

Department of Economics University College London, Gower Street, London WC1E 6BT Tel: 020 7679 5888 Fax: 020 7916 2775
http://www.econ.ucl.ac.uk
Prof. K. Binmore (game theory)

Research students
Maria Prodromou (combinatorial properties of convex and discrete sets, Prof. Bárány)
Rahil Baber (combinatorics, Dr. Talbot)

Lecture courses
Optimisation (2nd year)
Graph Theory and Combinatorics (3rd year)
Geometry of numbers (3rd year, Prof. Larman)
Computational Geometry (3rd year, Prof. McMullen)
Game theory (3rd year, Prof. Binmore)

Seminar Colloquium (Tuesdays at 4.00 p.m.)
Informal Seminar (Wednesdays at 4.30pm)

VODAFONE GROUP RESEARCH AND DEVELOPMENT - UK
Vodafone House, 1 The Connection, Newbury RG14 2FN. Tel: 01635 33251 Fax: 01635 31127
http://www.vodafone-rnd.com/whoweare/uk.htm
Dr. S. Babbage*
Dr. C. Belrose
Dr. N. Bone
Dr. N. Jefferies
S. Manning
Dr. S. Thiel
Prof. M. Walker
R. Wright

The group is interested in cryptography, randomness, statistics, applications of graph theory and combinatorics.

Current periodicals: G, T, Z

UNIVERSITY OF WARWICK
Coventry, CV4 7AL

Department of Computer Science Tel: 0247652 3193 Fax: 024 7657 3024
http://www.dcs.warwick.ac.uk/
Prof. Artur Czumaj (analysis and design of algorithms and data structures, randomized algorithms, graph theory, game theory)
Dr. Matthias Englert (EPSRC Postdoctoral Research Fellow in Theoretical Computer Science)
Dr. Marcin Jurdzinski (algorithmic game theory, logic in computer science, optimization, modelling and algorithmic analysis of systems)
Dr. Oded Lachish (coding theory, circuit complexity, sublinear algorithms)
Dr. Rajagopal Nagarajan (quantum information processing, security and cryptography)
Prof. Mike Paterson* (computational complexity, analysis and design of algorithms)
Dr. Harald Raecke (algorithms, network algorithms).
Dr. Rahul Savani (game theory)
Dr. Alex Tiskin (discrete mathematics, parallel computation, combinatorial optimization).

Warwick Business School Tel. 024 7652 8220 Fax: 024 7652 4539
http://www.wbs.ac.uk
Prof. Bo Chen (scheduling theory and applications; real-time optimisation; combinatorial optimisation; decision analysis)
Dr. Vladimir Deineko (combinatorial optimisation, polynomially solvable cases of NP-hard problems)
Dr. Arie Koster (combinatorial optimisation, polyhedral combinatorics, network design, fixed-parameter

tractable algorithms).

Warwick Mathematics Institute Tel. 024 7652 4661 Fax: 024 7652 4182.
http://www.maths.warwick.ac.uk
Dr. Vadim Lozin (algorithmic and structural graph theory)

Research Students
Haris Aziz (algorithmic voting theory, Prof. Paterson)
Tim Davidson (quantum protocols, Dr. Nagarajan)
John Fearnley (Dr. Jurdzinski)
Peter Krusche (efficient parallel processing, Dr. Tiskin)
Manuel Kutschka
Nick Palmer (machine learning, Prof. Paterson)
Nikolaos Papanikolaou (quantum protocols, Dr. Nagarajan)
Michal Rutkowski (game theory, Dr. Jurdzinski)
Ashutosh Trivedi (algorithmic game theory. Dr. Jurdzinski).

Lecture courses
Discrete Mathematics and its Applications 1 and 2 (1st year)
Combinatorics (2nd year)
Algorithm Design (2nd year)
Mathematical Programming (2nd year)
Complexity of Algorithms (3rd year)
Efficient Parallel Algorithms (3rd year)
Advanced Topics in Algorithms (3rd year)
Modelling and Algorithmic Analysis of Systems (4th year)
Algorithmic Game Theory (4th year)
Mathematical Programming and Heuristics (MSc)
Operational Research (4th year)
Combinatorial Optimisation (MSc)

All the people listed above at Warwick are affiliated with DIMAP, the Centre for Discrete Mathematics and its Applications; see http://www.dcs.warwick.ac.uk/dimap for more details.

UNIVERSITY OF THE WEST OF ENGLAND, BRISTOL

Faculty of Computing, Engineering and Mathematical Sciences University of the West of England, Coldharbour Lane, Bristol BS16 1QY. Tel: 0117 344 2783 Fax: 0117 344 2734
http://www.uwe.ac.uk/cems/
Dr Rhys Gwynllyw (graph theory and its applications)
Dr Ana Sendova-Franks (graph theory and its applications)
Dr. Vadim Zverovich* (graph theory, combinatorial optimisation)

Research Students:

Anush Poghosyan (graph theory and algorithms)

Lecture courses
Discrete Mathematics (2nd year)
Operational Research (2nd year)
Decision Analysis (3rd year)
Mathematical Programming (3rd year)

Current periodicals: D, N, S, b

List C.

Recent and forthcoming publications.

This list contains combinatorial books and papers, with at least one UK based author, that have been published, accepted or submitted for publication since the last issue of the *Bulletin* - i.e., during (approximately) the period April 2007-April 2008 - and have come to the attention of the BCB Editor. The intention is that papers whose status has changed (e.g. by being accepted, or appearing in print) will appear again, but *not* those which are still under consideration or revision, or are still waiting to be published. The intention is that authors are listed in alphabetical order by surname, even if that is not the order in which they appear on the paper, and that all co-authors (UK based or not) are cross-referenced to. Abbreviations of the titles of journals/serials are normally taken from Zentralblatt, though for occasional less commonly occurring journals or for conference proceedings and books the style may very well vary.

This list 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.

Abraham, D.J., Irving, R.W., Mehlhorn, K. and Telikepalli, K.
Popular matchings, *SIAM J. Comput.* **37** (2007) 1030-1045.
Abraham, D.J., Levavi, A., Manlove, D.F. and O'Malley, G.
The stable roommates problem with globally-ranked pairs. *Lect. Notes. Comput. Sci.* **4858** (2007) 431-444.
Addario-Berry, L., Esperet, L, Kang, R. J., McDiarmid, C. and Pinlou, A.
Acyclic *t*-improper colourings of graphs with bounded maximum degree. *Discrete Math.*, to appear.
Addario-Berry, L., McDiarmid, C. and Reed, B. A.
Connectivity of Addable Monotone Graph Classes, preprint.
Albert, M. H., Atkinson, M.D., and Brignall, R.
Permutation classes of polynomial growth. *Ann. Comb.* **11** (2007) 249-264.
Alekseev, V. E., Boliac, R., Korobitsyn, D. V. and Lozin, V. V.
NP-hard Graph problems and Boundary Classes of Graphs. *Theor. Comput. Sci.* **389** (2007) 219-236.
Allen, P.
Almost every 2-SAT function is unate. *Isr. J. Math.* **161** (2007) 311-346.
Allen, P.
Covering two-edge-coloured complete graphs with two disjoint monochromatic cycles. Preprint.
Alon, N., Fomin, F., Gutin, G., Krivelevich M. and Saurabh, S.
Parametrized algorithms for directed maximum leaf problems. *Lect. Notes Comput. Sci.* **4596** (2007) 352-362.
Alon, N., Fomin, F., Gutin, G., Krivelevich M. and Saurabh, S.

Better algorithms and bounds for directed maximum leaf problems. *Lect. Notes Comput. Sci.* **4855** (2007) 316-327.
Amini, O., Esperet, L. and van den Heuvel, J.
Frugal Colourings of Graphs. Submitted.
Anderson, I.
Euler and Combinatorics. *Math. Gaz.* **91** (2007) 428-435.
Anderson, I and Ellison, L.
Further results on logarithmic terraces. *Discrete Math*. **308** (2008) 684-695.
Anderson, I. and Preece, D.A.
Some Z_{n-1} terraces from Z_n power-sequences, *n* being an odd prime power. *Proc. Edinb. Math. Soc.* **50** (2007) 527-549.
Anderson, I. and Preece, D. A.
Some narcissistic power-sequence Z_{n+1} terraces with *n* an odd prime power. *Ars Comb*., to appear.
Anderson, I. and Preece, D. A.
A general approach to constructing power sequence terraces for Z_n. *Discrete Math.* **308** (2008) 631-644. doi: 10.1016/j.disc.2007.07.051
Anderson, I and Preece, D. A.
Some da capo directed power-sequence Z_{n+1} terraces with *n* an odd prime power. *Discrete Math.* **308** (2008), 192-206. doi: 10.1016/j.disc.2006.11.033
Anderson, I and Preece, D. A.
Some Z_{n+2} terraces from Z_n power-sequences, *n* being an odd prime. *Discrete Math.,* to appear.
Anderson, I and Preece, D. A.
Combinatorially fruitful properties of 3.2^{-1} and 3.2^{-2} modulo *p*. *Discrete Math*., to appear.
Anthony, M.
Aspects of discrete mathematics and probability in the theory of machine learning. *Discrete Appl. Math.*, to appear.
Applegate, R., and Cameron, P. J.
Orbits on *n*-tuples. *Commun. Alg.,* to appear.
Arhin, J.
On the structure of 1-designs with at most two block intersection numbers. *Des. Codes Cryptography* **43** (2007) 103-114.
Arratia-Quesada, A. and Stewart, I. A.
On the power of deep pushdown stacks. *Lect. Notes. Comput. Sci.* **5028** (2008)
Atkinson, M. D., Ruškuc, N. and Smith, R.
Wreath-closed pattern classes. Submitted.
Atkinson, M. D.
[see: Albert, M. H]
Babbage, S., Cid, C., Pramstaller, N. and Raddum, H.
An Analysis of the Hermes8 Stream Ciphers. Proceedings of the 12th Australasian Conference on Information Security and Privacy (ACISP). *Lect. Notes Comput. Sci* **4586** (2007).
Bailey, R. A. and Cameron, P. J.
What is a design? How should we classify them? *Des. Codes Cryptography* **44** (2007) 223-238. doi: 10.1007/s10623-007-9092-3

Bailey, R. A., Cameron, P. J. and Connelly, R.
Sudoku, gerechte designs, resolutions, affine space, spreads, reguli, and Hamming codes. *Amer. Math. Monthly* **115** (2008) 383-404.
Bailey, R. F. and Bray, J. N.
Decoding the Mathieu group M_{12}. *Adv. Math. Commun.* **1** (2007) 477-487.
Bailey, R. F. and Cameron, P. J.
On the single-orbit conjecture for uncoverings-by-bases. *J. Group Theory*, to appear.
Bailey, R. F. and Dixon, J. P.
Distance enumerators for permutation groups. *Commun. Algebra* **35** (2007) 3045-3051. doi: 10.1080/00927870701405017
Balister, P. N., Bollobás, B. and Gerke, S.
The generalized Randić index of trees. *J. Graph Theory* **56** (2007) 270-286.
Balister, P. N., Gerke, S. and Gutin, G.
Convex sets in acyclic digraphs. Submitted.
Balister, P. N., Gerke, S., Gutin, G., Johnstone, A., Reddington, J., Scott, E., Soleimanfallah, A. and Yeo, A.
Algorithms for generating convex sets in acyclic digraphs. Submitted.
Bang-Jensen, J. and Yeo, A.
The minimum spanning strong subdigraph problem is fixed parameter tractable. Submitted.
Barbina, S. and Macpherson, H. D.
Reconstruction of homogeneous relational structures. *J. Symb. Log.* **72** (2007) 792-802.
Batty, A., Casaccino, A., Duncan, A. J., Rees, S. E., and Severini, S.
An application of the Deutsch-Josza algorithm to formal languages and the word problem in groups. *Lecture Notes in Computer Science* (to appear).
Batu, T., Berenbrink, P. and Sohler, C.
A Sublinear-Time Approximation Scheme for Bin Packing. Preprint.
Batu, T., Berenbrink, P. and Cooper, C.
Balanced Allocations: Balls-into-Bins Revisited and Chains-into-Bins. Preprint.
Baur, K. and Marsh, R. J.
A geometric description of the *m*-cluster categories of type D_n. *Int. Math. Res. Not.* (2007). article ID rnm011, 19 pages, doi:10.1093/imrn/rnm011.
Beis, M., Duckworth, W. and Zito, M.
Packing Vertices and Edges in Random Regular Graphs. Random Struct. Algorithms **32** (2008) 20-37.
Bell, F. K., Cvetković, D., Rowlinson, P. and Simić, S. K.
Graphs for which the least eigenvalue is minimal I. *Linear Algebra. Appl*., to appear.
Bell, F. K., Cvetković D., Rowlinson P. and Simić S. K.
Graphs for which the least eigenvalue is minimal II. Submitted.
Bell, J., Launois, S., Nguyen, N.
Dimension and enumeration of primitive ideals in quantum algebras. *J. Algebr. Comb.,* to appear. doi: 10.1007/s10801-008-0132-5
Benevides, F. and Skokan, J.
The 3-colored Ramsey number of even cycles. Submitted.
Berenbrink, P., Cooper C. and Hu, Z.
Energy efficient randomized communication in unknown adhoc networks. SPAA07.

Berenbrink, P., Friedetzky, T., Goldberg, L. A., Goldberg, P., Hu, Z. and Martin, R.
Distributed Selfish Load Balancing. *Siam. J. Comput.* **37** (2007) 1163-1181.
Berenbrink, P. Friedetzky, T. and Martin, R.
On the stability of dynamic diffusion load balancing. *Algorithmica* **50** (2008) 329-350.
Berenbrink, P.
[see: Batu, T.]
Berger, N., Bollobás, B., Borgs, C., Chayes, J. and Riordan, O. M.
Degree distribution of the FKP network model.*Theor. Comput. Sci.* **379** (2007) 306-316.
Berman, P., Karpinski, M. and Scott, A. D.
Approximation hardness and satisfiability of bounded-occurrence instances of SAT. Submittted.
Biggs, N. L.
The critical group from a cryptographic perspective. *Bull. Lond. Math. Soc.* **39** (2007) 829-836.
Biró, P. and Čechlárová, K.
Inapproximability of the kidney exchange problem, *Inf. Process. Lett.* **101** (2007) 199-202.
Biró, P., Čechlarova, K. and Fleiner, T.
The dynamics of stable matchings and half-matchings for the stable marriage and roommates problems. *Int. J. Game Theory* **36** (2008) 333-352.
Biró, P., Manlove, D. F. and Mittal, S.
Size versus stability in the Marriage problem. Submitted.
Blackburn, S. R, Etzion, T., Stinson, D. R. and Zaverucha, G. M.
A bound on the size of separating hash families. *J. Comb. Theory Ser. A.,* to appear.
Blackburn, S. R., Neumann, P. M. and Venkataraman, G.
Enumeration of Finite Groups. Cambridge University Press, Cambridge, UK, 2007.
Blackburn, S. R. and Shparlinski, I.E.
On the average energy of circulant graphs. *Linear Algebra Appl.,* to appear.
Blackburn, S. R. Choi, S.-J. and Wild, P. R.
Cryptanalysis of a homomorphic public-key cryptosystem over a finite group. *J. Math. Cryptol.* **1** (2007) 351-358.
Boliac, R.
[see: Alekseev, V. E.]
Bollobás, B., Borgs, C., Chayes, J. and Riordan, O. M.
Degree distribution of the FKP network model.*Theor. Comput. Sci.* **379** (2007) 306-316.
Bollobás, B., Borgs, C., Chayes, J. and Riordan, O. M.
Percolation on dense graph sequences. To appear.
Bollobás, B., Janson, S. and Riordan, O. M.
Spread-out percolation in R^d. *Random Struct. Algorithms* **31** (2007) 239-246.
Bollobás, B., Janson, S. and Riordan, O. M.
The phase transition in inhomogeneous random graphs. *Random Struct. Algorithms* **31** (2007) 3-122.
Bollobás, B., Janson, S. and Riordan, O. M.
Line-of-sight percolation. *Comb. Probab. Comput.,* to appear.
Bollobás, B. and Riordan, O. M.
Percolation on random Johnson-Mehl tessellations and related models.

Probab. Theory Relat. Fields **140** (2008) 319-343.
Bollobás, B. and Riordan, O. M.
Sparse graphs: metrics and random models. Preprint.
Bollobás, B. and Riordan, O. M.
A note on the Harris-Kesten theorem. *Eur. J. Comb.* **28** (2007) 1720-1723.
Bollobás, B. and Riordan, O. M.
Clique Percolation. Preprint.
Bollobás, B. and Scott, A. D.
On intersections of graphs. Submitted.
Bollobás, B.
[see: Balister, P. N., Berger, N.]
Bonsma, P. and Cereceda, L.
Finding Paths between Graph Colourings: PSPACE-completeness and Superpolynomial Distances. In: MFCS 2007, 738-749.
Bordewich, M. and Dyer, M.
Path coupling without contraction. *J. Discrete Algorithms* **5** (2007) 280-292.
Bordewich, M., Gascuel, O., Huber, K. T. and Moulton, V.
Consistency of the Balanced Subtree Prune and Regraft Algorithm. Preprint.
Bordewich, M., McCartin, C. and Semple, C.
A 3-approximation algorithm for the subtree distance between phylogenies.
J. Discrete Algorithms, to appear.
Borg, P. and Holroyd, F. C.
The Erdős-Ko-Rado properties of set systems defined by double partitions. *Discrete Math.,* to appear.
Borg, P. and Holroyd, F. C.
The Erdős-Ko-Rado property of various graphs containing singletons. Submitted.
Borgs, C.
[see: Berger, N., Bollobás, B.]
Bray, J.N., Holt, D. F., Roney-Dougal, C. M.
Certain classical groups are not well-defined. *J. Group Theory*, to appear.
Bray, J. N.
[see: Bailey, R. F.]
Brightwell, G. and Georgiou, N.
Continuum limits for classical sequential growth models. Submitted.
Brignall, R.
Wreath products of permutation classes. *Electron. J. Combin*. **14** (2007) #R46.
Brignall, R.
A survey of simple permutations. Submitted.
Brignall, R., Huczynska, S. and Vatter, V.
Simple permutations and algebraic generating functions. *J. Comb.Theory Ser. A* **115** (2008) 423-441.
Brignall, R., Huczynska, S. and Vatter, V.
Decomposing simple permutations, with enumerative consequences. *Combinatorica*, to appear.
Brignall, R, Ruškuc, N. and Vatter, V.

Simple permutations: decidability and unavoidable structures. *Theor. Comput. Sci*. **391** (2008), 150-163.
Brignall, R.
[see: Albert, M. H.]
Brimberg, J., Hansen, P., Mladenović, N. and Moreno-Perez, J.
The *p*-median problem: a survey of metaheuristic approaches. *Eur. J. Oper. Res*. **179** (2007) 927-939.
Brimberg, J., Hansen, P., Mladenović, N., and Urosevic, D.
Primal-dual variable neighbourhood for the simple plant location problem. *INFORMS J. Comput.* **19** (2007) 552-564.
Brimberg, J., Mladenović, N. and Urosevic, D.
Variable neighbourhood search for the *k*-cardinality subgraph problem. *J. Heuristics*, to appear.
Britnell, J.R., Evseev, A., Guralnick, R.M., Holmes, P.E. and Maroti, A.
Sets of elements that pairwise generate a linear group. *J. Comb. Theory Ser. A* **115** (2008) 442–465.
Britnell, J. R., and Wildon M.
On the distribution of conjugacy classes between the cosets of a finite group in a cyclic extension. Submitted.
Britnell, J. R., and Wildon M.
Commuting elements in conjugacy classes: An application of Hall's Marriage Theorem. Submitted.
Broersma, H. J., Capponi, A. and Paulusma, D.
A new algorithm for on-line coloring bipartite graphs. *SIAM J. Discrete Math.,* to appear.
Broersma, H. J., Fijavž, G., Kaiser, T., Kužel, R., Ryjáček Z. and Vrána, P.
Contractible subgraphs, Thomassen's conjecture and the dominating cycle conjecture for snarks. *Discrete Math.,* to appear.
Broersma, H. J.,Fujisawa, J., Marchal, L., Paulusma, D., Salman, A. N. M. and Yoshimoto, K.
λ-Backbone colorings along pairwise disjoint stars and matchings. Submitted.
Broersma, H. J., Johnson M. and Paulusma, D.
Upper bounds and algorithms for parallel knock-out numbers. *Lect. Notes Comput. Sci.* **4474** (2007) 328-340.
Broersma, H. J., Johnson, M., Paulusma D. and Stewart, I. A.
The computational complexity of the parallel knock-out problem. *Theor. Comput. Sci.* **393** (2008) 182-195.
Broersma, H. J., Li, M. and Xiong, L.
Connected even factors in claw-free graphs. *Discrete Math.* **308** (2007) 2282-2284.
Broersma, H. J. and Li, X.
On the complexity of dominating set problems related to the minimum all-ones problem. *Theor. Comput. Sci.* **385** (2007) 60-70.
Broersma, H. J., Marchal, L., Paulusma, D. and Salman, A. N. M.
Backbone colorings along stars and matchings in split graphs: their span is close to the chromatic number. Submitted.
Broersma, H. J., Paulusma, D. and Yoshimoto, K.
Sharp upper bounds for the minimum number of components of 2-factors in claw-free

graphs. Submitted.
Broersma, H. J., Paulusma D. and Yoshimoto, K.
On components of 2-factors in claw-free graphs. *Electron. Notes Discrete Mat.* **29** 289-293.
Broersma, H. J. and Vumar, E.
On hamiltonicity of P_3-dominated graphs. Submitted.
Brunk, F. and Ruškuc, N.
Largest Intersecting Families of Almost Linear Posets. Submitted.
Buchheim, C., Cameron, P. J., and Wu, T.
On the subgroup distance problem. *Discrete Math.,* to appear.
Cain, A.J.
Malcev presentations for subsemigroups of direct products of coherent groups. *J. Pure Appl. Algebra*, to appear.
Cain, A. J., Robertson, E. F., and Ruškuc, N.
Cancellative and Malčev presentations for finite Rees index subsemigroups and extensions. *J. Aust. Math. Soc.,* to appear.
Cain, A. J., Oliver, G. P., Ruškuc, N. and Thomas, R. M.
Automatic presentations for cancellative semigroups. To appear.
Cameron, P. J.
Root systems and optimal block designs. *Mich. Math. J.*, to appear.
Cameron, P. J.
A generalisation of *t*-designs. *Discrete Math*., to appear.
Cameron, P. J., Gewurz, D. and Merola, F.
Product action. *Discrete Math.* **308** (2008) 386-394. doi: 10.1016/j.disc.2006.11.054
Cameron, P. J. and Iyudu, N.
Graphs of relations and Hilbert series. *J. Symb. Comput.* **42** (2007), 1066-1078. doi: 10.1016/j.jsc.2007.07.006
Cameron, P. J., Jackson, B. and Rudd, J.
Orbit-counting polynomials for graphs and codes. *Discrete Math.* **308** (2008) 920-930. doi: 10.1016/j.disc.2007.07.108
Cameron, P. J., Johannsen, D., Prellberg, T. and Schweitzer, P.
Counting defective parking functions. Submitted.
Cameron, P. J., Kang, M. and Stark, D.
Random preorders and alignments. *Discrete Math.,* to appear.
Cameron, P. J. and Kayibi, K. K.
Orbital chromatic and flow roots. *Comb. Probab. Comput.,* to appear. doi: 10.1017/S0963548306008200
Cameron, P.J. and Kazanadis, P. A.
Cores of symmetric graphs. Submitted.
Cameron, P.J. and Lockett, D.
Posets, homomorphisms and homogeneity. Submitted.
Cameron, P. J., Montanaro, A., Newman, M. W., Severini, S. and Winter, A.
On the quantum chromatic number of a graph. *Electron. J. Combin.* **14** (2007) #R82
Cameron, P. J., Prellberg, T. and Stark, D.
Asymptotic enumeration of 2-covers and line graphs. Submitted.
Cameron, P. J. and Rudvalis, A.

A design and a geometry for the group F_{22}. *Des. Codes Cryptography*, **44** (2007) 11-14. doi: 10.1007/s10623-007-9041-1
Cameron, P. J. and Soicher, L. H.
Block intersection polynomials. *Bull. Lond. Math. Soc.* **39** (2007) 559-564.
Cameron, P. J. and Spiga, P.
Min-wise independent families with respect to any linear order. *Comm. Algebra,* to appear.
Cameron, P. J. and Tarzi, S.
Limits of Cubes. *Topology Appl.,* to appear.
Cameron, P. J. and Tarzi, S.
On the automorphism group of the *m*-coloured random graph. Submitted.
Cameron, P. J. and West, D. B.
Research problems from BCC20. *Discrete Math.* **308** (2008), 621-630.
doi: 10.1016/j.disc.2007.07.021
Cameron, P. J. and Wu. T.
The complexity of the weight problem for permutation and matrix groups. *Discrete Math.,* to appear.
Cameron, P. J.
[see: Applegate, R., Bailey, R. A., Bailey, R. F., Brouwer, A.E., Buchheim, C.]
Campero-Arena, G. and Truss, J. K.
1-transitive cyclic orderings. Preprint.
Capponi, A.
[see: Broersma, H. J.]
Cardoso D. M., Cvetković D., Rowlinson P. and Simić S. K.
A sharp lower bound for the least eigenvalue of the signless Laplacian of a non-bipartite graph. *Linear Algebra Appl.,* to appear.
Cardoso, D. M., Kaminski, M. and Lozin, V. V.
Maximum *k*-regular induced subgraphs. *J. Comb. Optim.* **14** (2007) 455-463.
Carvalho, C. A. and Ruškuc, N.
A finitely presented monoid with a non-finitely generated group of units. *Arch. Math.* **89** (2007) 109-113.
Casaccino, A.
[see; Batty, A.]
Čechlárová, K.
[see: Biró, P.]
Cereceda, L., van den Heuvel, J. and Johnson, M.
Connectedness of the graph of vertex-colourings. *Discrete Math.* **308** (2008) 913-919.
Cereceda, L., van den Heuvel, J. and Johnson, M.
Finding Paths Between 3-Colourings. Submitted.
Cereceda, L., van den Heuvel, J. and Johnson, M.
Mixing 3-colourings in bipartite graphs. Submitted.
Cereceda, L.
[see: Bonsma, P.]
Chapman, R. J. and Williams, L. K.
A conjecture of Stanley on alternating permutations. *Electron. J. Combin.* **14** (2007) Note 16.

Charbit, P. and Scott, A. D.
Infinite locally random graphs. *Internet Mathematics,* to appear.
Chayes, J.
[see: Berger, N.,Bollobás, B.]
Chen, B. and Chen, X.
Approximation algorithms for soft-capacitated facility location in capacitated network design. *Algorithmica* (2007).
Chen, B. and Chen, X.
Cost-effective Designs of Fault-tolerant Radio Access Networks in the GSM System. Submitted.
Chen, B., Chen, X. and Hu, X.-D.
The Price of Atomic Selfish Ring Routing. Submitted.
Chen, B. and Lee, C.-Y.
Logistics scheduling with batching and transportation. *Eur. J. Oper. Res.* **189** (2008) 871–876.
Chen, B., Wang, Z. and Xing, W.
On-line service scheduling. *J. Sched*., to appear.
Chen, X. and Mörters, P.
Upper tails for intersection local times of random walks in supercritical dimensions. Submitted.
Chen, X.
[see: Chen, B.]
Cheng, C. McDermid, E. and Suzuki, I.
A unified approach to finding good stable matchings in the hospitals/residents setting. *Theor. Comput. Sci.* to appear.
Cheng, C. McDermid, E. and Suzuki, I.
Hardness results on the man-exchange stable marriage problem with short preference lists. *Inf. Process. Lett.* **101** (2007) 13-19.
Choi, S.-J.
[see: Blackburn, S. R.]
Christofides, D.
Randomized algorithms for the majority problem. *Discrete Appl. Math.* to appear.
Christofides, D.
Induced lines in Hales-Jewett cubes. *J. Comb. Theory Ser. A* **114** (2007) 906-918.
Christofides, D. and Markström, K.
Expansion properties of random Cayley graphs and vertex transitive graphs via matrix martingales. *Random Struct. Algorithms* **32** (2008) 88-100.
Cid, C.
[see: Babbage, S.]
Conlon, D.
A new upper bound for the bipartite Ramsey problem. *J. Graph Theory*, to appear.
Conlon, D.
A new upper bound for diagonal Ramsey numbers. *Ann. Math*, to appear.
Conlon, D.
A note on lower bounds for hypergraph Ramsey numbers. Submitted.
Conlon, D.

Hypergraph packing and sparse bipartite Ramsey numbers. Submitted.
Conlon, D.
On the Ramsey multiplicity of complete graphs. Submitted.
Conlon, D., Jungic, V. and Radoicic, R.
On the existence of rainbow 4-term arithmetic progression. *Graphs Comb.* **23** (2007) 249-254.
Conlon, D., Fox. J. and Sudakov, B.
Ramsey numbers of sparse hypergraphs Submitted.
Connelly, R.
[see; Bailey, R. A]
Consoli, S., Darby-Dowman, K., Mladenović, N. and Moreno, J.
Greedy randomized adaptive search and variable neighbourhood search for the minimum labelling spanning tree problem. *Eur. J. Oper. Res.,* to appear.
Cooley, O., Fountoulakis, N., Kühn, D. and Osthus, D.
3-uniform hypergraphs of bounded degree have linear Ramsey numbers. *J. Comb. Theory Ser. B,* to appear.
Cooley, O., Kühn D. and Osthus, D.
Perfect packings with complete graphs minus an edge. *Eur. J. Comb.* **28** (2007) 2143-2155.
Cooper, C., Dyer, M. E. and Greenhill, C.
Sampling regular graphs and a peer-to-peer network. *Comb. Probab. Comput.* **16** (2007) 557-593.
Cooper, C. and Frieze, A. M.
The cover time of random digraphs. RANDOM07, to appear.
Cooper, C. and Frieze, A. M.
The cover time of the giant component of G(n,p). *Random Struct. Algorithms,* to appear.
Cooper, C., Frieze, A. M. and Radzik, M.
Multiple random walks in random regular graphs. Preprint.
Cooper, C. and Zito, M.
Realistic synthetic data for testing association rule mining algorithms for market basket databases. *PKDD 2007.*
Cooper, C. and Zito, M.
Realistic synthetic data for rule mining. *IADIS* 2007.
Cooper, C. and Zito, M.
An exact analysis of the Cockayne-Goodman-Hedetniemi algorithm for a class of random tree processes. *Discrete Appl. Math.* 2007
Cooper, C.
[see: Batu, T., Berenbrink P.]
Cossidente, A. and King, O.H.
On the geometry of the exceptional group $G_2(q)$, q even. *Des. Codes. Cryptography*, to appear.
Cvetković D., Rowlinson P. and Simić S. K.
Signless Laplacians of finite graphs. *Linear Algebra Appl.* **423** (2007) 155-171.
Cvetković D., Rowlinson P. and Simić S. K.
Eigenvalue bounds for the signless Lapacian. *Publ. Inst. Math. Beograd* **81** (2007) 11-27.

Cvetković D.
[see: Bell. F.K, Cardoso, D. M.]
Czumaj, A., Kowaluk, M. and Lingas, A.
Faster Algorithms for Finding Lowest Common Ancestors in Directed Acyclic Graphs. *Theor. Comput. Sci.* **380** (2007) 37 - 46
Czumaj, A. and Sohler, C.
Testing Expansion in Bounded-Degree Graphs. Proceedings of the 48th Annual IEEE Symposium on Foundations of Computer Science (FOCS'07), pages 570 - 578, Providence, RI, October 20 - 23, 2007.
Czyzowicz, J., Dobrev, S., Gąsieniec, L., Ilcinkas, D., Jansson, J., Klasing, R., Lignos, I., Martin, R., Sadakane, K. and Sung, W.-K.
Time- and space-efficient periodic exploration of undirected graphs. Submitted, 2008.
Dantchev, S., Martin, B. and Szeider, S.
Parameterized Proof Complexity. FOCS 2007, The 48th Annual Symposium on Foundations of Computer Science, October 20-23, 2007, Providence, RI, USA, pp. 150-160, IEEE Press, 2007.
Darby-Dowman, K.
[see: Consoli, S.]
Dixon, J. P.
[see: Bailey, R. F.]
Dobcsányi, P., Preece, D. A. and Soicher, L. H.
On balanced incomplete-block designs with repeated blocks. *Eur. J. Comb.* **28** (2007) 1955-1970. doi: 10.1016/j.ejc.2006.08.007.
Dobcsányi, P.,
[see: Bailey, R.A]
Dobrev, S.,
[see: Czyzowicz, J.]
Doku-Amponsah, K. and Mörters, P.
Large deviation principles for empirical measures of coloured random graphs. Submitted.
Donovan, D. M., Grannell, M. J., Griggs, T. S. and Lefevre, J. G.,
A constraint on the biembedding of Latin squares. Submitted.
Drazic, M., Lavor, C., Maculan, N. and Mladenović, N.
A continuous variable neighborhood search heuristic for the three-dimensional structure of a molecule. *Eur. J. Oper. Res.* **185** (2008) 1265-1273.
Droste, M., Gray, R. and Truss, J. K.
Construction of Some Uncountable 2-arc-transitive Bipartite Graphs. Submitted.
Duckworth, W. and Zito, M.
Uncover Low Degree Vertices and Minimise the Mess: Independent Sets in Random Regular Graphs. Mathematical Foundations of Computer Science 2007.
Duckworth, W.
[see: Beis, M.]
Duncan, A. J., Kazatchkov, I. V., and Remeslennikov, **V. N.**
Orthogonal Systems in Finite Graphs. *Siberian Electronic Maths Reports*, to appear.
Duncan, A. J., Kazatchkov, I. V., and Remeslennikov, V. N.
Automorphisms of Partially Commutative Groups I: Linear Subgroups. Submitted.

Duncan, A. J., Kazatchkov, I. V., and Remeslennikov, V. N.
Stability of Universal Equivalence of Groups under Free Constructions. Submitted.
Duncan, A. J.
[see: Batty, A.]
Dyer, M. E., Goldberg, L. A and Jerrum, M. R.
Matrix norms and rapid mixing for spin systems. *Ann. Appl. Probab.,* to appear.
Dyer, M. E., Goldberg, L. A and Jerrum, M. R.
An approximation trichotomy for Boolean #CSP. Submitted.
Dyer, M. E., Goldberg, L. A and Jerrum, M. R.
The Complexity of Weighted Boolean #CSP. Submitted.
Dyer, M. E., Goldberg, L. A and Paterson, M. S.
On counting homomorphisms to directed acyclic graphs**.** *J. ACM***. 54** (2007) no 27.
Dyer, M. E.
[see under: Bordewich, M., Cooper, C.]
Edel, Y., Elsholtz, C., Geroldinger, A., Kubertin, S. and Rackham, L.
Zero-sum problems in finite abelian groups and affine caps. *Q. J. Math* **58** (2007) 159-186.
Edwards, K. J. and Farr, G. E.
Planarization and fragmentability of some classes of graphs. *Discrete Math.,* to appear.
Eggemann, N., and Noble, S. D.
The clustering coefficient of a scale-free random graph. Submitted.
Elkind, E., Goldberg, L. A. and Goldberg P.
Computing Good Nash Equilibria in Graphical Games. Proceedings of EC '07 (the 8th ACM Conference on Electronic Commerce). ACM Press, New York, 162-171 (2007).
Elkind, E., Goldberg, L. A. and Goldberg P.
Frugality Ratios And Improved Truthful Mechanisms for Vertex Cover. Proceedings of EC '07 (the 8th ACM Conference on Electronic Commerce). ACM Press, New York, 336-345 (2007).
Elkind, E., Goldberg, L. A., Goldberg P. and Woolridge, M.
Computational Complexity of Weighted Threshold Games. Proceedings of AAAI-07 (2007) 718-723.
Elkind, E., Goldberg, L. A., Goldberg P. and Wooldridge, M.
On the dimensionality of voting games AAAI 2008, to appear.
Elkind, E., Goldberg, L. A., Goldberg P. and Wooldridge, M.
A tractable and expressive class of marginal contribution nets and its applications. AAMAS 2008, to appear.
Ellison, L.
[see: Anderson, I.]
Elsholtz, C.
The number $\Gamma(k)$ in Waring's problem, *Acta Arith.* **131** (2008) 43-49.
Elsholtz, C.
Multiplicative decomposability of shifted sets. *Bull. Lond. Math. Soc.* **40** (2008) 97-107.
Elsholtz, C.
[see: Edel, Y.]
Elwes, R. and Macpherson, H. D.

A survey of asymptotic classes and measurable structures. In: Model theory and applications to algebra and analysis (Eds. Z. Chatzidakis, H.D. Macpherson, A. Pillay, A.J. Wilkie). Cambridge University Press, to appear.
Emms, J. and Evans, D. M.
Constructing continuum many countable, primitive, unbalanced digraphs. Preprint.
Esperet, L.
[see: Addario-Berry, L., Amini, O.]
Etzion,T.
[see: Blackburn, S. R.]
Evans, D. M.
[see: Emms, J.]
Evseev, A.
[see: Britnell, J. R.]
Falconer, K.J. and O'Connor, J. J.
Symmetry and enumeration of self-similar fractals. *Bull. Lond. Math. Soc.* **39** (2007) 272-282.
Farr, G.E.
[see: Edwards, K.J.]
Fellows, M., Fomin, F. V., Lokshtanov, D., Rosamond, F., Saurabh, S., Szeider, S. and Thomassen, C.
On the Complexity of Some Colorful Problems Parametrized by Treewidth.
Lect. Notes Comput. Sci. **4616** (2007) 366-377.
Fernau, H. and Manlove, D. F.
Vertex and edge covers with clustering properties: complexity and algorithms. Submitted.
Fiala, J., Paulusma D. and Telle, A. D.
Locally constrained graph homomorphisms and equitable partitions, *Eur. J. Comb.* **29** (2008) 850-880.
Fijavž, G.
[see: Broersma, H. J.]
Fleiner, T, Irving, R. W and Manlove, D. F.
Efficient algorithms for generalised stable marriage and roommates problems, *Theor. Comput. Sci.* **381** (2007) 162-176.
Fleiner, T.
[see: Biró, P.]
Fleischmann, K., Mörters, P. and Wachtel, V.
Moderate deviations for random walk in random scenery. *Stochastic Processes Appl.*, to appear.
Fleischner, H., Genest, F. and Jackson, B.
Compatible circuit decompositions of 4-regular graphs. *J. Graph Theory* **56** (2007) 227-240. doi: 10.1002/jgt.20262
Fleischner, H., Mujuni, E., Paulusma, D. and Szeider, S.
Covering Graphs with Few Complete Bipartite Subgraphs. *Lect. Notes Comput. Sci.* **4855** (2007) 340-351.
Fomin, F. V.
[see: Alon, N. Fellows, M.]
Forbes, A. D., Grannell, M. J. and Griggs, T. S.

Distance and fractional isomorphism in Steiner triple systems. *Rend. Circ. Mat. Palermo,* **56** (2007) 17-32.
Forbes, A. D., **Grannell, M. J. and Griggs, T. S.**
The design of the century. *Math. Slovaca,* **57** (2007) 495-499
Forbes, A. D., Grannell, M. J. and Griggs, T. S.
New type B χ-colourable $S(2, 4, v)$ designs. *J. Comb. Des.* **15** (2007) 357-368
Forbes, A. D., **Grannell, M. J., Griggs, T. S. and Stanton, R. G.**
On the small covering numbers $g_1^{(5)}(v)$, *Util. Math.* **74** (2007) 77-96.
Fountoulakis, N.. Kühn, D. and Osthus, D.
The order of the largest complete minor in a random graph. *Random Struct. Algorithms*, to appear.
Fountoulakis, N., Kühn, D. and Osthus, D.
Minors in random regular graphs. Submitted.
Fountoulakis, N. and Reed, B. A.
The evolution of the mixing rate of a simple random walk on the giant component of a random graph. *Random Struct. Algorithms*, to appear.
Fountoulakis, N.
[see: Cooley, O.]
Fox, J.
[see: Conlon, D.]
Frankl, P., Peng, Y., Rödl, V. and Talbot, J.
A note on the jumping constant conjecture of Erdős. *J. Comb. Theory Ser. B* **97** (2007) 204-216.
Friedetzky, T.,
[see: Berenbrink, P.]
Frieze, A. M.
[see: Cooper, C.]
Fujisawa, J.
[see: Broersma, H. J.]
Gagarin, A. and Zverovich, V.
A generalised upper bound for the *k*-triple domination number. *Discrete Math*. **308** (2008) 880-885.
Gambardella, L.M., Montemanni, R. and Smith, D. H.
A Heuristic Manipulation Technique for the Sequential Ordering Problem. *Comput. Oper. Res.,* to appear. doi:10.1016/j.cor.2007.05.003
Gascuel, O.
[see: Bordewich, M.]
Gąsieniec, L.
[see: Czyzowicz, J.]
Gateova-Ivanova, T. and Majid, S.
Set-theoretic solutions of the Yang-Baxter equation, graphs and computations. *J. Symbolic Comput.* **42** (2007) 1079-1112. doi: 10.1016/j.jsc.2007.06.007
Gateova-Ivanova, T. and Majid, S.
Matched pairs approach to set theoretic solutions of the Yang-Baxter equations. *J. Algebra* **319** (2008) 1462-1529. doi: 10.1016/j.jalgebra.2007.10.035
Genest, F.

[see: Fleischner, H.]
Gent, I. P., Kelsey, T., Linton, S., Pearson, J. and Roney-Dougal, C. M.
Groupoids and Conditional Symmetry. Proceedings of CP2007. Springer (2007).
Georgiou, N., Kuchta, M., Morayne, M. and Niemiec, J.
On a universal best choice algorithm for partially ordered sets. *Random Struct. Algorithms* **32** (2008) 263-273.
Georgiou, N.
[see; Brightwell, G. R.]
Gerke, S., Prömel, H.-J., Schickinger, T., Steger, A. and Taraz, A.
K_4-free subgraphs of random graphs revisited. *Combinatorica* **27** (2007) 329-365.
Gerke, S., Schlatter, D., Steger, A. and Taraz, A.
The random planar graph process. *Random Struct. Algorithms* **32** (2008) 236-261.
Gerke, S.
[see: Balister, P. N.]
Geroldinger, A.
[see: Edel, Y.]
Gewurz, D.
[see: Cameron, P. J.]
Gilman, R. H., Hermiller, S., Holt, D. F., and Rees, S. E.
A characterisation of virtually free groups. *Arch. Math.* **89** (2007) 289-295
Giulietti, M., Hirschfeld, J. W. P., Korchmáros, G. and Torres, F.
Families of curves covered by the Hermitian curve. *Sémin. Congr.*, to appear.
Goldberg, L. A. and Jerrum, M. R.
The complexity of ferromagnetic Ising with local fields. *Comb. Probab. Comput.* **16** (2007) 45-61. doi: 10.1017/S096354830600767X
Goldberg, L. A. and Jerrum, M. R.
Inapproximability of the Tutte polynomial. *Inf. Comput.,* to appear.
Goldberg, L.. A., Grohe, M., Jerrum, M. R. and Thurley, M.
A complexity dichotomy for partition functions with mixed signs. Submitted.
Goldberg, L. A.
[see: Berenbrink, P., Dyer, M.E., Elkind, E.]
Goldberg, P.
[see: Berenbrink, P., Elkind, E. Goldberg, L. A.]
Goodall, A.J.
Parity, eulerian subgraphs and the Tutte polynomial. *J. Comb. Theory Ser. B* **98** (2008) 599-628.
Goodall, A.J.
Edge colouring models for the Tutte polynomial and related graph invariants, submitted.
Gordon, N. A. and Shaw, R.
The cubic Segre variety $S_{1,2,2}$ in PG(5,2). Submitted.
Gottlob, G. and Szeider, S.
Fixed-Parameter Algorithms for Artificial Intelligence, Constraint Satisfaction, and Database Problems. To appear.
Graham, J. S., Montemanni, R., Moon, J. N. J. and Smith, D. H.
Frequency assignment, multiple interference and binary constraints. *Wireless Networks,* to appear. doi:10.1007/s11276-006-0730-x.

Grannell, M. J. and Griggs, T. S.
Designs and topology. In *Surveys in Combinatorics 2007*, (ed. A. J. W. Hilton and J. Talbot), Cambridge University Press, *Lond. Math. Soc. Lect. Note Ser.* **346**
Grannell, M. J. and Griggs, T. S.
Embeddings and designs. In: *Topics in Topological Graph Theory*, edited by R. J. Wilson and L. Beineke. Cambridge University Press, to appear.
Grannell, M. J. and Griggs, T. S.
A lower bound for the number of triangular embeddings of complete graphs and complete regular tripartite graphs. *J. Comb. Theory Ser. B*, to appear.
Grannell, M. J., Griggs, T. S. and Knor, M.
Orientable biembeddings of Steiner triple systems of order 15. *J. Comb. Math. Comb. Comput.,* to appear.
Grannell, M. J., Griggs, T. S. and Knor, M.
Biembeddings of Latin squares of side 8. *Quasigroups Relat. Syst.* **15** (2007) 273-278.
Grannell, M. J., Griggs, T. S. and Knor, M.
Biembeddings of symmetric configurations and 3-homogeneous Latin trades. *Comment. Math. Univ. Carolin*, to appear.
Grannell, M. J., Griggs, T. S., Knor, M. and Thrower A. R. W.
A census of the orientable biembeddings of Steiner triple systems of order 15. *Australas J. Combin, to app*ear.
Grannell, M. J., Griggs, T. S., LoFaro, G. and Tripodi, A.
Small bowtie systems: an enumeration. Submitted.
Grannell, M. J., Griggs, T. S. and Quinn, K. A. S.
Smallest defining sets of directed designs. *Discrete Math,* to appear.
Grannell, M. J., Griggs, T. S. and Širáň, J.
Hamiltonian embeddings from triangulations. *Bull. London Math. Soc.* **39** (2007) 447-452.
Grannell, M. J. and Korzhik, V. P.
Orientable biembeddings of cyclic Steiner triple systems from current assignments on Möbius ladder graphs. Submitted.
Grannell, M. J.
[see: Donovan, D. M., Forbes, A.D.]
Gray, R. and Macpherson, H. D.
Countable connected-homogeneous graphs. Submitted.
Gray, R and Ruškuc, N.
Generators and relations for subsemigroups via boundaries in Cayley graphs, submitted.
Gray, R. and Truss, J. K.
Cycle-free partial orders and ends of graphs. Submittted.
Gray, R. and Truss, J. K.
Construction of some countable one-arc transitive bipartite graphs. *Discrete Math.,* to appear.
Gray, R.
[see: Droste, M.]
Green, B. J.

Long arithmetic progressions of primes. In: Analytic number theory. A tribute to Gauss and Dirichlet. Proceedings of the Gauss-Dirichlet conference, Göttingen, Germany, June 20-24, 2005.
Green, B. J.
Montreal lecture notes on quadratic Fourier analysis. In: *Additive Combinatorics* (Montréal 2006, ed. Granville et al.), CRM Proceedings vol. 43, 69-102, AMS 2007.
Green, B. J. and Ruzsa, I. Z.
Freiman's theorem in an arbitrary abelian group. *J. London Math. Soc.* **75** (2007) 163-175.
Green, B. J. and Sanders, T. W.
Boolean functions with small spectral norm. *Geom. Funct. Anal.,* to appear.
Green, B. J. and Sisask, O.
On the maximal number of three-term arithmetic progressions in subsets of Z/*p*Z. Submitted.
Green, B. J. and Tao, T. C.
The primes contain arbitrarily long arithmetic progressions. *Ann. Math*. **167** (2008) 481-547.
Green, B. J. and Tao, T. C.
An inverse theorem for the Gowers U^3-norm, with applications. *Proc. Edinb. Math. Soc.* **51** (2008) 73-153.
Green, B. J. and Tao, T. C.
Quadratic uniformity of the Möbius function. *Annales de l'Institut Fourier (Grenoble)*, to appear.
Green, B. J. and Tao, T. C.
New bounds for Szemerédi's theorem, II: improved bounds for $r_4(N)$. To appear in a special volume for Roth's 80th birthday.
Green, B. J. and Tao, T. C.
A note on the Freiman and Balog-Szemerédi-Gowers theorems in finite fields. *J. Aust. Math. Soc.*, to appear.
Green, B. J. and Tao, T. C.
Freiman's theorem in finite fields via extremal set theory. Submitted.
Greeen, B. J. and Tao, T. C.
Linear equations in primes. Submitted.
Greenhill, C.
[see: Cooper, C., Gerke, S.]
Griggs, T. S., LoFaro, G. and Quattrocchi, G.
On some colouring of 4-cycle systems with specified block colour patterns. *Discrete Math.* **308** (2008) 465-478.
Griggs, T. S.
[see; Donovan, D. M., Forbes, A. D., Grannell, M. J.].
Grohe, M.
[see: Goldberg, L. A.]
Gupta, A., van den Heuvel, J., Maňuch, J., Stacho, L., Zhao, X.
On the Complexity of Ordered Colorings. *Siam J. Discrete Math.*, to appear.
Gupta, A., Gutin, G., Karimi, M., Kim E. J. and Rafiey, A.
Minimum Cost Homomorphisms to Locally Semicomplete and Quasi-Transitive

Digraphs. Submitted.
Guralnick, R.M.
[see: Britnell, J. R.]
Gutin, G.
Note on edge-colored graphs and digraphs without properly colored cycles. Preprint.
Gutin, G., Johnstone, A., Reddington, J., Scott, E., Soleimanfallah A. and Yeo, A.
An algorithm for finding connected convex subgraphs of an acyclic digraph. Submitted.
Gutin, G. and Kim, E. J.
Introduction to the Minimum Cost Homomorphism Problem for Directed and Undirected Graphs. *Lect. Notes of Ramanujan Math. Soc.*, to appear.
Gutin, G., Rafiey, A., Szeider, S. and Yeo, A.
The Linear Arrangement Problem Parameterized Above Guaranteed Value. *Theory. Comput. Syst.* **41** (2007) 356-367.
Gutin, G., Szeider, S. and Yeo, A.
Fixed-Parameter Complexity of Minimum Profile Problems. *Algorithmica*, to appear.
Gutin, G. and Yeo, A.
On the number of connected convex subgraphs of a connected acyclic graph. Submitted.
Gutin, G.
[see: Alon, N., Balister, P. N., Gupta, A.]
Hall, R. and Mayhew, D.
Contracting an element from a cocircuit. *Adv. Appl. Math.*, to appear.
Hansen, P. and Mladenović, N.
Complement to a comparative analysis of heuristics for the *p*-median problem. *Stat. Comput.* **18** (2008) 41-44.
Hansen, P., Mladenović, N. and Oguz, C.
Variable neighbourhood search for minimum cost berth allocation. *European J. Oper. Res.*, to appear.
Hansen, P.
[see: Brimberg, J.]
Harsha, P, Hayes, T. P., Narayanan, H., Raecke, H. and Radhakrishnan, J.
Minimizing average latency in oblivious routing. Proceedings of the 19th ACM-SIAM Symposium on Discrete Algorithms (SODA'08), 200 - 207, 2008.
Havet, F., van den Heuvel, J., McDiarmid, C. and Reed, B. A.
List colouring squares of planar graphs. *Electron. Notes Discrete Math.* **29** (2007) 515-519
Haxell, P., Pikhurko, O. and Thomason, A.
Maximum acyclic and fragmented sets in regular graphs. *J. Graph Theory* **57** (2008) 149-156.
Hayes, T. P.
[see: Harsha, P.]
Henning, M. and Yeo, A.
A transition from total domination in graphs to transversals in hypergraphs *Quaest. Math.* **30** (2007) 417-436
Henning, M. and Yeo, A.
Total domination in 2-connected graphs and in graphs with no induced 6-cycles. Submitted.

Henning, M. and Yeo, A.
Total domination in graphs with given girth. Submitted.
Henning, M. and Yeo, A.
A new lower bound on the domination number of graphs with minimum degree two. Submitted.
Hermiller, S., Holt, D. F., and Rees, S. E.
Star-free geodesic languages for groups. *Int. J. Alg. Comput*. **17** (2007) 329-345
Hermiller, S., Holt, D. F., and Rees, S. E.
Groups whose geodesics are locally testable. *Int. J. Alg. Comput.*, to appear.
Hermiller, S.
[see: Gilman, R. H]
Hetherington, T. J.
Coupled choosability of near-outerplane graphs. Submitted.
Hetherington, T. J.
Edge-face choosability of near-outerplane graphs. *Bull. Inst. Combin. Appl.,* to appear.
Hetherington, T. J.
Entire choosability of near-outerplane graphs. *Discrete Math*., to appear.
Hetherington, T. J. and Woodall, D. R.
List-colouring the square of a K_4-minor-free graph. *Discrete Math*., to appear.
van den Heuvel, J. and Johnson, M.
Transversals of subtree hypergraphs and the source location problem in hypergraphs. *Networks* **51** (2008) 113-119.
van den Heuvel, J.
[see: Amini, O., Cereceda, L., Gupta, A., Havet, F.]
Higgins, P. M.
Nets, puzzles and postmen: an exploration of mathematical connections. OUP (2007).
Higgs, M. B. J ., Perkins, S. and Smith, D. H.
The construction of variable length codes with good synchronization properties. Submitted.
Hill, R. and Ward, H. N.
A geometric approach to classifying Griesmer codes. *Des. Codes Cryptography* **44** (2007) 169-196.
Hilton, A. J. W.
(r,r+1)-factorisations of (d,d+1)-graphs. *Discrete Math.* **308** (2008) 645-669. doi: 10.1016/j.disc.2007.07.052
Hilton, A. J. W. and Talbot, J. (editors).
Surveys in combinatorics 2007. *Lond. Math. Soc. Lect. Note Ser.* **346**
Hirschfeld, J. W. P., Korchmáros, G. and Torres, F.
The number of points on an algebraic curve over a finite field. In: *Surveys in Combinatorics 2007* (London. Math. Soc. Lect. Note. Ser. 346, A. J. W. Hilton and J. Talbot, eds.) 175-200.
Hirschfeld, J. W. P., Korchmáros, G. and Torres, F.
Algebraic Curves over a Finite Field. Princeton University Press (2008) xxi+696pp.
Hirschfeld, J. W. P.
[see: Giulietti, M.]
Hoffmann, R. and Thomas, R. M.

Some notions of hyperbolicity in monoids. *Lect. Notes Comput. Sci.* **4639** (2007) 341–352.
van der Hofstad, R. and Luczak, M. J.
Random Subgraphs of the 2D Hamming Graph: the Supercritical Phase. Preprint.
van der Hofstad, R., Mörters, P. and Sidorova, N.
Weak and almost sure limits for the parabolic Anderson model with heavy-tailed potentials. *Ann. Appl. Probability*, to appear.
Holmes, P.E.
[see: Britnell, J. R.]
Holroyd, F.C. and Williams, J.
Factor-conformability and total chromatic number. *J. Comb. Math. Comb. Comput.* **64** (2008) 141-152.
Holroyd, F.C. and Williams, J.
Semi-total graph colourings, the beta parameter, and total chromatic number. *Discrete Math.* **308** (2008) 940-954.
Holroyd, F. C. and Yannakopoulos, C.
Some multiple chromatic numbers of Kneser graphs. *J. Comb. Math. Comb. Comput.* **64** (2008) 23-32.
Holroyd, F. C.
[see: Borg, P.]
Holt, D. F., Rees, S. E., and Shapiro M.
Groups that do and do not have growing context-sensitive word problem. Submitted.
Holt, D.F.
[see: Bray, J. N., Gilman, R. H., Hermiller, S.]
Hu, Z.
[see: Berenbrink, P.]
Huber, K. T.
[see: Bordewich, M.]
Huczynska, S. and Ruškuc, N.
Pattern classes of permutations via bijections between linearly ordered sets, *Eur. J. Comb.* **29** (2008) 118-139.
Huczynska, S.
[see: Brignall, R.]
Ilcinkas, D.
[see: Czyzowicz, J.]
Irving, R. W.
The cycle roommates problem: a hard case of kidney exchange. *Inf. Process. Lett.* **103** (2007) 1-4.
Irving, R.W.
The stable marriage problem. To appear as article 142 in The Encyclopedia of Algorithms, Springer 2008.
Irving, R.W.
Optimal stable marriage, to appear as article 143 in The Encyclopedia of Algorithms, Springer 2008.
Irving, R.W.
Stable marriage problems with exchange restrictions, *J. Comb. Optim.*, to appear.

Irving, R.W., Manlove, D.F. and Scott, S.
The stable marriage problem with master preference lists. *Discrete Appl. Math*., to appear.
Irving, R.W. and Manlove, D.F.
Approximation algorithms for hard variants of the stable marriage and hospitals / residents problems. *J. Comb. Optim.,* to appear.
Irving, R.W. and Manlove, D.F.
An 8/5 approximation algorithm for a hard variant of the stable marriage problem. *Lect. Notes Comput. Sci.* **4598** (2007), 548-558. (Note that there is a mistake in this paper: the correct performance guarantee for the approximation algorithm is 5/3. See the full version of the paper, available from Dr. Irving's webpage at Glasgow).
Irving, R.W. and Scott, S.
The stable fixtures problem - a many-to-many extension of stable roommates. *Discrete Appl. Math.* **155** (2007) 2118-2129.
Irving, R.W.
[see: Abraham, D.J., Čechlarova, K., Fleiner, T.]
Ito, H., Paterson, M. S. and Sugihara, K.
Multi-commodity source location problems and price of greed. *Lect. Notes Comput. Sci.* **4921** (2008) 169-179.
Iyudu, N.
[see: Cameron, P. J.]
Jackson, B.
[see: Cameron, P. J., Fleischner, H.]
Janse van Rensburg, E. J., Prellberg, T. and Rechnitzer, A.
Partially directed paths in a wedge. *J. Comb. Theory Ser. A.*,**115** (2008), 623-650 doi:10.1016/j.jcta.2007.08.003
Janse van Rensburg, E. J., Prellberg, T. and Rechnitzer, A.
Directed paths in a wedge. *J. Phys. A* **40** (2007) 14069-14084.
Janse van Rensburg, E. J., Prellberg, T. and Rechnitzer, A.
Partially directed paths in a symmetric wedge. Proceedings of Formal Power Series and Algebraic Combinatorics 2007.
Janson, S. and Luczak, M. J.
A New Approach to the Giant Component Problem. Preprint.
Janson, S. and Luczak, M. J.
Asymptotic Normality of the *k*-Core in Random Graphs. Preprint.
Janson, S.
[see: Bollobás, B.]
Jansson, J.
[see: Czyzowicz, J.]
Jerrum. M. R.
[see: Dyer, M. E., Goldberg, L. A.]
Johannsen, D.
[see: Cameron, P. J.]
Johnson, M.
Amalgamations of factorizations of complete graphs. *J. Comb. Theory Ser. B.* **97** (2007) 597-611..

Johnson, M.
[see: Broersma, H. J., Cereceda. L, van den Heuvel, J.]
Johnstone, A.
[see: Balister, P. N.]
Jones, S. K., Perkins, S. and Roach, P. A.
Construction of heuristics for a search-based approach to solving SuDoku.
Research and Development in Intelligent Systems XXIV: Proceedings of AI-2007, the Twenty-seventh SGAI International Conference on Artificial Intelligence, (Springer-Verlag 2008, Bramer, M., Coenen, F., and Petridis, M. Eds), 37-49.
Jones, R. A., Perkins, S., Sanusi, S. O. and Smith, D. H.
The application of frequency assignment techniques in spreading code assignment, submitted.
Jungic, V.
[see: Conlon, D.]
Jurdzinski, M., Paterson, M. S., and Zwick, U.
A deterministic subexponential algorithm for solving parity games. *SIAM J. Comput.,* to appear.
Kaiser, T.
[see: Broersma, H. J.]
Kaminski. M. and Lozin, V. V.
Coloring edges and vertices of graphs without short or long cycles. *Contrib. Discrete Math.* **2** (2007) 61-66.
Kaminski, M.
[see: Cardoso, D. M.]
Kang, M.
[see: Cameron, P. J.]
Kang, R. and McDiarmid, C.
The *t*-improper chromatic number of random graphs. *Electron. Notes Discrete Math.* **29** (2007) 411-417
Karimi, M.
[see: Gupta, A.]
Karpinski, M.
[see: Berman, P.]
Kayibi, K. K.
[see: Cameron, P. J.]
Kazanadis, P. A.
[see: Cameron, P. J.]
Kazatchov, I. V.
[see: Duncan, A. J.]
Keedwell, A. D.
On Sudoku squares. *Bull. Inst. Comb. Appl.* **50** (2007) 52-60.
Keedwell, A. D.
Graeco-Latin squares. In: *Encyclopaedia of Statistical Sciences* (John Wiley, New York) (2008). (Revision and update of an earlier article).
Keedwell, A. D.
When is it hard to show that a quasigroup is a loop? *Comment. Math. Carolinae*, to

appear.
Keedwell, A. D.
The existence of Buchsteiner and conjugacy-closed quasigroups. Submitted.
Keevash, P., Mubayi, D., Sudakov, B. and Verstraëte, J.
Rainbow Turán problems. *Combin. Probab. Comput.* **16** (2007), 109-126. doi: 10.1017/S0963548306007760
Keevash, P., Mubayi, D. and Wilson, R. M.
Set systems with no singleton intersection. *SIAM J. Discrete Math.* **20** (2007), 1031-1041. doi: 10.1137/050647372
Keevash, P., Kühn, D. and Osthus, D.
An exact minimum degree condition for Hamilton cycles in oriented graphs. Submitted.
Keevash, P and Zhao, Y.
Codegree problems for projective geometries. *J. Comb. Theory Ser. B*. 97 (2007), 919-928. doi: 10.1016/j.jctb.2007.01.004
Kelly, L., Kühn, D. and Osthus, D.
A Dirac type result on Hamilton cycles in oriented graphs. *Comb. Probab. Comput.,* to appear.
Kelsey, T.
[see: Gent, I. P.]
Kesseböhmer, M. and Stratmann, B. O.
A multifractal analysis for Stern-Brocot internals, continued fractions and Diophantine growth rates. *J. Reine Angew. Math.*, 605 (2007). 133-163.
Kesseböhmer, M. and Stratmann, B. O.
Fractal analysis for sets of non-differentiability of Minkowski's question mark function. *J. Number Theory*, to appear.
Kesseböhmer, M. and Stratmann, B. O.
Refined measurable rigidity and flexibility for conformal iterated function systems. *New York J. Math.* **14** (2008) 33-51.
Kesseböhmer, M. and Stratmann, B. O.
Homology at infinity; fractal geometry of limiting symbols for modular subgroups. *Topology* **46** (2007), 469-491.
Kesseböhmer, M., Stadlbauer, M. and Stratmann, B. O.
Lyapunov spectra for KMS states on Cuntz-Krieger algebras. *Math. Zeit.* **256** (2007), 871-893.
Key, J. D., Mavron, V. C. and McDonough, T. P.
Partial permutation decoding for codes from affine geometry designs. *J. Geom.* **88** (2008) 101-109.
Key, J. D., Mavron, V. C. and McDonough, T. P.
An upper bound for the minimum weight of the dual codes of desarguesian planes. *Eur. J. Comb.,* to appear.
Kim E. J.
[see: Gupta, A., Gutin, G.]
King, O. H.
[see: Cossidente, A.]
Klasing, R.,
[see: Czyzowicz, J.]

Kloks, T., Müller, H. and Vušković, K.
Even-hole-free graphs that do not contain diamonds: a structure theorem and its consequences. Submitted.
Knor, M.
[see: Grannell, M.J.]
König, W., Lacoin, H., Mörters, P. and Sidorova, N.
A two cities theorem for the parabolic Anderson model. Submitted.
Korchmáros, G.
[see: Giulietti, M., Hirschfeld, J. W. P.]
Korobitsyn, D. V.
[see: Alekseev, V. E.]
Korzhik, V. P.
[see: Grannell, M.J.]
Kotecký, R., Salas, J. and Sokal, A. D.
Phase transition in the 3-state Potts antiferromagnet on the diced lattice. Preprint.
Kowaluk, M.
[see: Czumaj, A.]
Krivelevich, M.
[see: Alon, N.]
Kubertin, S.
[see: Edel, Y.]
Kuchta, M.
[see: Georgiou, N.]
Kühn, D. and Osthus, D.
The minimum degree threshold for perfect graph packings. *Combinatorica*, to appear.
Kühn, D. and Osthus, D.
Linkedness and ordered cycles in digraphs. *Comb. Probab. Comput.,* to appear.
Kühn, D. and Osthus, D.
Maximizing several cuts simultaneously. *Comb. Probab. Comput.* **16** (2007) 277-283.
Kühn, D., Osthus, D. and Treglown, A.
Hamiltonian degree sequences in digraphs. Submitted.
Kühn, D., Osthus, D. and Young, A.
A note on complete subdivisions in digraphs of large outdegree. *J. Graph Theory* **57** (2008) 1-6.
Kühn, D., Osthus, D. and Young, A.
k -ordered Hamilton cycles in digraphs. *J. Comb. Theory Ser. B*, to appear.
Kühn, D.
[see: Cooley, O., Fountoulakis, N., Keevash, P., Kelly, L.]
Kužel, R.
[see: Broersma, H. J.]
Lacoin, H.
[see: König, W.]
Launois, S.
[see: Bell, J.]
Lavor, C.
[see: Drazic, M.]

Leader, I. B. and Russell, P. A.
Independence for partition regular equations. *J. Comb. Theory Ser. A* **114** (2007) 825-839.
Lee, C.-Y.
[see: Chen, B.]
Lefevre, J. G.
[see: Donovan, D. M.]
Levavi, A.
[see: Abraham, D. J.]
Levin, A., Paulusma, D. and Woeginger, G. J.
The computational complexity of graph contractions I: polynomially solvable and NP-complete cases, *Networks* **51** (2008) 178-189.
Levin, A., Paulusma, D. and Woeginger, G. J.
The computational complexity of graph contractions II: two tough polynomially solvable cases. *Networks*, to appear.
Levin, D. A., Luczak, M. J. and Peres, Y.
Glauber Dynamics for the Mean-Field Ising Model: Cut-Off, Critical Power Law, and Metastability**.** Preprint.
Li, M.
[see: Broersma, H. J.]
Li, X.
[see: Broersma, H. J.]
Lignos, I.,
[see: Czyzowicz, J.]
Lingas, A.
[see: Czumaj, A.]
Linton, S.A.
[see: Gent, I. P.]
Lockett, D.
[see: Cameron, P. J.]
LoFaro, G.
[see: Grannell, M. J.]
Lokshtanov, D.
[see: Fellows, M.]
Lozin, V. V.
Boundary classes of planar graphs. *Comb. Probab. Comput.* **17** (2008) 287-295.
Lozin, V. V. and Milanic, M.
Maximum Independent Sets in Graphs of Low Degree. Proceedings of the ACM-SIAM Symposium on Discrete Algorithms SODA'07 (2007), 874-880.
Lozin, V. V. and Rautenbach, D.
The Relative Clique-Width of a Graph. *J. Comb. Theory Ser B.* **95** (2007) 846-858.
Lozin, V. V. and Rudolf, G.
Minimal Universal Bipartite Graphs. *Ars Comb.* **84** (2007) 345-356.
Lozin, V. V. and Volz, J.
The clique-width of bipartite graphs in monogenic classes, *Int. J. Found. Comput. Sci.* **19** (2008) 477-494.

Lozin, V. V.
[see: Alekseev, V. E., Cardoso, D. M., Kaminski, M.]
Luczak, M.J. and McDiarmid, C.
Asymptotic distributions and chaos for the supermarket model. *Electron. J. Probab.* **12** 75-99.
Luczak, M. J. and McDiarmid, C.
Balanced routing of random calls**.** Preprint.
Luczak, M. J. and Spencer, J.
The Second Largest Component in the Supercritical 2-D Hamming Graph. Preprint.
Luczak, M. J.
[see: van der Hofstad, R., Janson, S., Levin, D. A.]
Maculan, N.
[see: Drazic, M.]
Macpherson, H. D. and Steinhorn, C.
One-dimensional asymptotic classes of finite structures. *Trans. Am. Math. Soc.,* to appear.
Macpherson, H. D.
[see: Barbina, S., Elwes, R., Gray, R.]
Maculan, N.
[see: Drazic, M.]
Madelaine, F. R. and Stewart, I. A.
Improved upper and lower bounds on the feedback vertex numbers of grids and butterflies. *Discrete Math.,* to appear.
Madelaine, F. R. and Stewart, I. A.
Constraint satisfaction, logic and forbidden patterns. *SIAM J. Comput.* **37** (2007) 132-163.
Maffrey, F., Trotignon, N. and Vušković, K.
Algorithms for square-3PC(.,.)-free Berge graphs. *SIAM J. Discrete Math.,* to appear.
Majid, S.
[see: Gateova-Ivanova, T.]
Manlove, D. F.
The hospitals / residents problem, to appear as article 150 in The Encyclopedia of Algorithms, Springer 2008.
Manlove, D. F. and McDermid, E.
Keeping partners together: Algorithmic results for the hospitals /residents problem with couples. Submitted.
Manlove, D. F. and O'Malley, G.
Student-project allocation with preferences over projects. *J. Discrete Algorithms*, to appear.
Manlove, D. F and Sng, C.
Popular matchings in the weighted capacitated house allocation problem. In: Proceedings of ACiD 2007: the 3rd Algorithms and Complexity in Durham workshop, volume 9 of Texts in Algorithmics, pp 129-140, College Publications, 2007.
Manlove, D. F.
[see; Abraham, D. J., Biró, P., Fernau, H., Fleiner, T., Irving, R. W.]
Maňuch, J.

[see: Gupta, A.]
Marchal, L.
[see: Broersma, H. J.]
Markström, K.
[see: Christofides, D.]
Maroti, A.
[see: Britnell, J. R.]
Marsh, R. J. and Martin, P. P.
Pascal arrays: counting Catalan sets. Submitted.
Martin, B.
[see: Dantchev, S.]
Martin, K. M. and Ng, S.-L.
The combinatorics of generalised cumulative arrays. *J. Math. Cryptol.* **1** (2007) 13-32.
Martin, K. M.
The combinatorics of cryptographic key establishment. *Surveys in Combinatorics 2007*. Cambridge University Press (2007). *Lond. Math. Soc. Lect. Note Ser.*, to appear.
Martin, N.
Unbalanced star-factorizations of complete bipartite graphs II. *Graphs. Comb.* **23** (2007) 559-583.
Martin, P. P
[see: Marsh, R. J.]
Martin, R.
[see: Berenbrink, P., Czyzowicz, J.]
Mathieson, L. and Szeider, S.
The Parameterized Complexity of Regular Subgraph Problems and Generalizations. Proceedings of CATS 2008, Computing: The Australasian Theory Symposium, University of Wollongong, New South Wales, Australia, January 22-25, 2008, (ACSW 2008), CRPIT vol. 77, pp. 79-86, Australian Computer Society, 2008.
Mavron, V. C., McDonough, T. P. and Mullen, G. L.
The Geometry of Sets of Orthogonal Frequency Hypercubes. *J. Comb. Des.* **15** (2007) 449-459.
Mavron, V. C.
[see: Key, J.D.]
Mayhew, D.
[see: Hall, R.]
McCartin, C.
[see; Bordewich, M.]
McDermid, E
[see: Cheng, C., Manlove, D. F.]
McDiarmid, C.
On the span of a random channel assignment problem. *Combinatorica* **27** (2007) 183-203.
McDiarmid, C. and Müller, T.
On the chromatic number of random geometric graphs. Submitted.
McDiarmid, C.
[see: Addario-Berry, L., Havet, F., Kang, R., Luczak. M.]

McDonough, T. P. and Pallikaros, C. A.
On subsequences and certain elements which determine various cells in S_n. *J. Algebra* **319** (2008) 1249–1263.
McDonough, T. P.
[see: Key, J.D. Mavron, V.C.]
Mehlhorn, K.
[see: Abraham, D. J.]
Merola, F.
[see: Cameron, P. J.]
Milanic, M.
[see: Lozin, V. V.]
Mitchell, J. D., Peresse, Y., and Quick, M. R.
Sequences of Functions as Compositions. *Q. J. Math*. **58** (2007) 71-79.
Mittal, S.
[see: Biró, P.]
Mladenović, N., Plastria, F. and Urosevic, D.
Formulation space search for circle packing problems. *Lect. Notes Comput. Sci.* **4638** (2007) 212-216.
Mladenović, N.
[see: Brimberg, J., Consoli, S., Drazic, M., Hansen, P.]
Montanaro, A.
[see: Cameron, P. J.]
Montemanni, R. and Smith, D. H.
Heuristic manipulation, tabu search and frequency assignment, submitted.
Montemanni, R. and Smith, D. H.
Heuristic algorithms for constructing binary constant weight codes, submitted.
Montemanni, R. and Smith, D. H.
Construction of constant GC-content DNA codes via a variable neighbourhood search algorithm, submitted.
Montemanni, R. and Smith, D. H.
Sequential Ordering Problems for crane scheduling in port terminals, submitted.
Montemanni, R.
[see: Gambaradella, L. M, Graham, J. S.]
Moon, J. N. J.
[see: Graham, J. S.]
Morayne, M.
[see: Georgiou, N.]
Moreno, J.
[see: Consoli, S.]
Moreno-Perez, J.
[see: Brimberg, J.]
Morozov, A. and Truss, J. K.
On the categoricity of the group of all computable automorphisms of the rational numbers. *Algebra and Logic* **46** (2007) 354-361.
Mörters, P. and Ortgiese, M.
Small value probabilities via the branching tree heuristic. *Bernoulli* **14** (2008), 277-299.

Mörters, P. and Shieh, N.-R.
The exact packing measure of Brownian double points. *Probab. Theory Relat. Fields*, to appear.
Mörters, P. and Sidarova, N.
A class of weakly self-avoiding walks. Submitted.
Mörters, P.
[see: Chen, X., Doku-Amponsah, K., Fleischmann, K., van der Hofstad, R., König, W]
Moulton, V.
[see: Bordewich, M.]
Mubayi, D. and Talbot, J.
Extremal problems for *t*-partite and *t*-colorable hypergraphs. *Electron J. Combin*. **15** (2008) R26.
Mubayi, D.
[see: Keevash, P.]
Mujuni, H.
[see: Fleischner, H.]
Mullen, G. L.
[see: Huczynska, S.. Mavron, V. C.]
Müller, T. and Waters, R. J.
Circular choosability is rational. Submitted.
Müller, H.
[see: Kloks, T.]
Müller, T.
[see: McDiarmid, C.]
Murray, S. H. and Roney-Dougal, C. M.
The spinor norm and homomorphism algorithms for classical groups. Submitted.
Narayanan, H.
[see: Harsha, P.]
Neumann, P. M.
[see: Blackburn, S. R.]
Newman, M. W.
[see: Cameron, P. J.]
Ng, S.-L.
[see: Martin, K. M.]
Nguyen, N.
[see: Bell, J.]
Niemiec, J.
[see: Georgiou, N.]
Nies, A. and Thomas, R. M.
FA-presentable groups and rings. *J. Algebra*, to appear.
Nishimura, N., Ragde, P. and Szeider, S.
Solving #SAT using Vertex Covers. *Acta Informatica* **44** (2007) 509-523.
Noble, S.D.
[see: Eggemann, N.]
O'Connor, J. J.
[see: Falconer, K. J.]

Oguz, C.
[see: Hansen, P.]
Oliver, G. P.
[see: Cain, A. J.]
O'Malley, G.
[see: Abraham, D. J., Manlove, D. F.]
Ortgiese, M.
[see: Mörters, P.]
Osthus, D.
[see: Cooley, O., Fountoulakis, N., Keevash, P., Kelly, L., Kühn, D.]
Owczarek, A. L. and Prellberg, T.
Exact solution of semi-flexible and super-flexible interacting partially directed walks. *J. Stat. Mech. Theory Exp.* (2007), P11010.
Owczarek, A. L., Prellberg, T. and Rechnitzer, A.
Finite-size scaling functions for directed polymers confined between attracting walls, *J. Phys. A. Math. Theor.* **41** (2008), 035002.
Pallikaros, C. A.
[see: McDonough, T. P.]
Patel, V.
Partitioning posets. Preprint.
Paterson, M. S., Peres, Y., Thorup, M., Winkler, P. and Zwick, U.
Maximum overhang. In SODA '08: Proceedings of the 19th Annual ACM-SIAM Symposium on Discrete Algorithms, 756–765.
Paterson, M. S.
[see: Dyer, M. E., Ito, H., Jurdzinski, M.]
Paulusma, D. and Yoshimoto, K.
Relative length of longest paths and longest cycles in triangle-free graphs. *Discrete Math.* **308** (2008) 1222-1229.
Paulusma, D. and Yoshimoto, K.
Cycles through specified vertices in triangle-free graphs. *Discuss. Math. Graph Theory* **27** (2007) 179-191.
Paulusma, D.
[see: Broersma, H. J., Fiala, J., Fleischner, H., Levin, A.]
Pearson, J.
[see; Gent, I. P.]
Peng, Y.
[see: Frankl, P.]
Penrose, M. D. and Wade, A. R
Limit theory for the random on-line nearest-neighbor graph. *Random Struct. Algorithms* **32** (2007), 125-156.
Peres, Y.
[see: Levin, D. A., Paterson, M.S.]
Peresse, Y.
[see: Mitchell, J. D.]
Perkins, S. and **Smith, D. H.**

Cyclically permutable representations of cyclic codes. *Discrete Appl. Math.* **156** (2008) 76-81.

Perkins, S.
[see: Higgs, M.B.J., Jones, S.K., Jones, R. A.]

Pikhurko, O.
[see: Haxell, P.]

Pinlou, A.
[see: Addario-Berry, L.]

Plastria, F.
[see; Mladenović, N.]

Pramstaller, N.
[see: Babbage, S.]

Preece, D. A.
Some mutually orthogonal power sequence terraces. *Bull. Inst. Comb. Appl.,* to appear

Preece, D. A.
Daisy chains - a fruitful combinatorial concept. *Australas. J. Combin*., to appear

Preece, D. A.
[see: Anderson, I., Dobcsányi, P.]

Prellberg, T.
[see: Cameron, P. J., Janse van Rensburg, E. J., Owczarek, A. L.]

Prömel, H.-J.
[see: Gerke, S.]

Quattrocchi, G.
[see: Griggs, T.S.]

Quick, M. R.
Groups with virtually abelian proper quotients. *J. Lond. Math. Soc.* **75** (2007) 597-609.

Quick, M. R.
[see: Mitchell, J. D.]

Quinn, K. A. S.
[see: Grannell, M. J.]

Rackham, L.
[see: Edel, Y.]

Rackham, T.
A note on $K^{-}_{\Delta+1}$-free or K_{Δ}-free precolouring with Δ colours. Submitted.

Radoicic, R.
[see: Conlon, D.]

Raddum, H.
[see: Babbage, S.]

Radhakrishnan, J.
[see: Harsha, P.]

Radzik, M.
[see: Cooper, C.]

Raecke, H.
Optimal hierarchical decompositions for congestion minimization in networks. Proceedings of the 40th ACM Symposium on Theory of Computing (STOC'08), 2008.

Raecke, H.

[see: Harsha, P.]
Ragde, P.
[see: Nishimura, N.]
Rautenbach, D.
[see: Lozin, V. V.]
Rafiey, A.
[see: Gutin, G.]
Rechnitzer, A.
[see: Janse van Rensburg, E. J., Owczarek, A. L.]
Reddington, J.
[see: Balister, P. N.]
Reed, B. A.
[see: Addario-Berry, L., Fountoulakis, N., Havet, F.]
Rees, S.E.
The automata that define representations of monomial algebras. *Algebr. Represent. Theory,* to appear.
Rees, S. E.
[see: Batty, A., Gilman, R. H., Hermiller, S., Holt, D.F.]
Remeslennikov, V. N.
[see: Duncan, A.J.]
Riordan, O. M.
The *k*-core and branching processes. *Comb. Probab. Comput.* **17** (2008) 111-136.
Riordan, O. M.
[see: Berger, N., Bollobás, B.]
Roach, P. A.
[see: Jones, S. K.]
Robertson, E. F.
[see: Cain, A. J.]
Rödl, V.
[see: Frankl, P.]
Roney-Dougal, C. M.
[see: Bray, J. N., Gent I. P., Murray, S. H.]
Rosamond, F.
[see: Fellows, M.]
Rowlinson P.
The main eigenvalues of a graph: a survey. *Appl. Anal. Discrete Math.,* **1** (2007) 455-471.
Rowlinson P. and Sciriha, I.
Some properties of the Hoffman-Singleton graph. *Appl. Anal. Discrete Math.,* **1** (2007) 438-445.
Rowlinson P.
[see: Bell, F. K., Cardoso, D. M., Cvetkovič, D.]
Rudd, J.
[see: Cameron, P. J.]
Rudolf, G.
[see: Lozin, V. V.]
Rudvalis, A.

[see: Cameron, P.J.]
Ruškuc, N.
[see: Atkinson, M. D., Brignall, R., Brunk, F., Cain, A. J., Carvalho, C., A., Gray, R., Huczynska, S.]
Russell, P. A.
[see: Leader, I. B.]
Ruzsa, I. Z.
[see: Green, B. J.]
Ryjáček, Z.
[see: Broersma, H. J.]
Sadakane, K.
[see: Czyzowicz, J.]
Salas, J.
[see: Kotecký, R.]
Salhi, A and Vazquez Rodriguez, J. A.
Robust Meta-Hyper-Heuristic Approach to Hybrid Flow-Shop Scheduling", In "Evolutionary Scheduling", K.Dahal and P.Cowling editors, pp. 125-142. Studies in Computational Intelligence, Springer (2007)
Salhi, A., Vazquez Rodriguez, J. A. and Zhang, Q.
An Estimation of Distribution Algorithm with Guided Mutation for a Complex Flow Shop Scheduling Problem. In Proceedings of the Genetic and Evolutionary Computation Conference (GECCO2007), Dirk Thierens et al. (Editors), Vol.I, pp. 570-576, London (2007).
Salman, A. N. M.
[see: Broersma, H. J.]
Samer, M. and Szeider, S.
Tractable Cases of the Extended Global Cardinality Constraint. Proceedings of CATS 2008, Computing: The Australasian Theory Symposium, University of Wollongong, New South Wales, Australia, January 22-25, 2008, part of the Australasian Computer Society Week (ACSW 2008). CRPIT vol. 77, pp. 67-74, Australian Computer Society, 2008.
Samer, M. and Szeider, S.
Algorithms for Propositional Model Counting. *Lect. Notes Comput. Sci.* 4790 (2007) 484-498.
Samer, M. and Szeider, S.
Backdoor Sets of Quantified Boolean Formulas. *Lect. Notes Comput. Sci.*. **4501** (2007) 230-243.
Sanders. T.
The Littlewood-Gowers problem. *J. Anal. Math.* **101** (2007), 123–162.
Sanders, T.
The ℓ^1-norm of the Fourier transform on compact vector spaces. *Bull. Lond. Math. Soc.* 39 (2007) 509–521.
Sanders, T.
[see: Green, B. J.]
Sanusi, S. O.
[see: Jones, R.A.]
Saurabh, S.

[see: Alon, N., Fellows, M.]
Schickinger, T.
[see: Gerke, S.]
Schlatter, D.
[see: Gerke, S.]
Schmeling, B. and Stratmann, B. O.
The Hausdorff dimension of the set of dissipative points for a Cantor-like model set for singly cusped parabolic dynamics. *Kodai Math. J.*, to appear.
Schweitzer, P.
[see: Cameron, P. J.]
Sciriha, I.
[see: Rowlinson, P.]
Scott, A. D. and Sokal, A. D.
Some variants of the exponential formula, with application to the multivariate Tutte polynomial (alias Potts model). Submitted.
Scott, A. D. and Sorkin, G.
Linear-programming design and analysis of fast algorithms for Max 2-CSP. *Discrete Optimization* **4** (2007) 260-287
Scott, A. D. and Sorkin, G.
Polynomial constraint satisfaction: a framework for counting and sampling CSPs and other problems. Submitted.
Scott, A. D.
[see: Berman, P., Bollobás, B., Charbit, P.]
Scott, E.
[see: Balister, P. N.]
Scott, S.
[see: Irving, R. W.]
Semple, C.
[see: Bordewich, M.]
Severini, S.
[see: Batty, A., Cameron P.J.]
Shapiro, M.
[see: Holt, D. F.]
Shaw, R.
The ψ-associate $X\#$ of a flat X in PG(n,2). *Des. Codes. Cryptography* **45** (2007) 229-246.
Shaw, R.
The polynomial degrees of Grassmann and Segre varieties over GF(2). *Discrete Math.* **308** (2008) 872-879.
Shaw, R.
[see: Gordon, N. A.]
Shieh, N.-R.
[see: Mörters, P.]
Shparlinski, I.E.
[see: Blackburn, S.R.]
Sidorova, N.
[see: van der Hofstad, R., König, W, Mörters, P.]

Simić, S. K.
[see: Bell, F. K., Cardoso, D. M., Cvetković, D.]
Sing, B. and Sirvent, V.
Geometry of the common dynamics of flipped Pisot substitutions. *Monatsh. Math.,* to appear.
Sing, B. and Welberry, T. R.
Deformed Penrose tilings. *Philosophical Magazine* **87** (2007) 2877-2886.
Širáň, J.
[see: Grannell, M.J.]
Sirvent, V.
[see: Sing, B.]
Sisask, O.
[see: Green, B. J.]
Skokan, J.
[see: Benevides, J.]
Smith, D. H.
[see also: Gambardella, L.M., Graham, J.S., Higgs, M. B. J., Jones, R. A., Perkins, S.]
Smith, R.
[see: Atkinson, M. D.]
Sng, C.
[see: Manlove, D. F.]
Sohler, C.
[see: Batu, T.. Czumaj, A.]
Soicher, L.H.
[see: Cameron, P.J., Dobcsányi, P.]
Sokal, A. D.
[see: Kotecký, R., Scott, A. D.]
Soleimanfallah, A.
[see: Balister, P. N.]
Sorkin, G.
[see: Scott, A. D.]
Spencer, J.
[see: Luczak, M. J.]
Spiga, P.
[see: Cameron, P. J.]
Stacho, L.
[see: Gupta, A.]
Stadlbauer, M.
[see: Kesseböhmer, M.]
Stanton, R. G.
[see: Forbes, A. D.]
Stark, D.
[see: Cameron, P.J.]
Steger, A.
[see: Gerke, S.]
Steinhorn, C.

[see: Macpherson, H. D.]
Stewart, I. A.
On the fixed-parameter tractability of parameterized model-checking problems. *Inf. Process. Lett.* **106** (2008) 33-36
Stewart, I. A.
Distributed algorithms for building Hamiltonian cycles in *k*-ary *n*-cubes and hypercubes with faulty links. *Journal of Interconnection Networks* **8** (2007) 253-284
Stewart, I. A. and Xiang, Y.
Many-to-one node-disjoint paths in (*n*,*k*)-star graphs. Submitted.
Stewart, I. A. and. Xiang, Y.
Bipanconnectivity and bipancyclicity in *k*-ary *n*-cubes. *IEEE Transactions on Parallel and Distributed Systems*, to appear.
Stewart, I. A. and. Xiang, Y.
Embedding long paths in *k*-ary *n*-cubes with faulty nodes and links. *IEEE Transactions on Parallel and Distributed Systems*, to appear.
Stewart, I. A.
[see: Arratia-Quesada, A., Broersma, H. J., Madelaine, F. R.]
Stinson, D. R.
[see: Blackburn, S. R.]
Stratmann, B. O. and Urbanski, M.
Pseudo-Markov systems and infinitely generated Schottky groups. *Amer. J. Math.* **129** (2007) 1019-1062.
Stratmann, B. O.
[see: Kesseböhmer, M., Schmeling, B.]
Sudakov, B.
[see: Conlon, D., Keevash, P.]
Sugihara, K.
[see: Ito, H.]
Sung, W.-K.
[see: Czyzowicz, J.]
Suzuki, I.
[see: Cheng, C.]
Szeider, S.
Without Loss of Generality – Symmetric Reasoning for Resolution Systems. Proceedings of SymCon'07, Seventh International Workshop on Symmetry and Constraint Satisfaction Problems, satellite workshop of CP 2007, September 23, 2007, Providence, RI, USA, pp. 5-8, 2007.
Szeider, S.
Matched Formulas and Backdoor Sets. *Lect. Notes Comput. Sci.* **4501** (2007) 94-99.
Szeider, S.
[see: Dantchev, S., Fellows, M., Fleischner, H., Gottlob, G., Gutin, G., Nishimura, N., Samer, M.]
Talbot, J.
Chromatic Turán problems and a new upper bound for the Turán density of K_4^-. *Eur. J. Comb.* **28** (2007) 2125-2142.
Talbot, J.

[see: Frankl, P., Hilton, A. J. W., Mubayi, D.]
Tao, T. C.
[see: Green, B. J.]
Taraz, A.
[see: Gerke, S.]
Tarzi, S.
[see: Cameron, P. J.]
Telekepalli, K.
[see: Abraham, D. J.]
Telle, A. D.
[see: Fiala, J.]
Thomas, R. M.
[see: Cain, A. J., Hoffmann, R., Nies, A.]
Thomason, A.
Disjoint complete minors and bipartite minors. *Eur. J. Comb.* **28** (2007) 1779-1783.
Thomason, A.
[see: Haxell, P.]
Thomassen, C.
[see: Fellows, M.]
Thorup. M.
[see: Paterson, M. S.]
Thrower, A. R. W.
[see; Grannell, M. J.]
Torres, F.
[see: Giulietti, M., Hirschfeld, J.W.P.]
Treglown, A.
[see: Kühn, D.]
Tripodi, A.
[see: Grannell, M. J.]
Trotignon, N. and Vušković, K.
A structure theorem for graphs with no cycle with a unique chord and its consequences. Submitted.
Trotignon, N.
[see: Maffrey, F.]
Truss, J. K.
On notions of genericity and mutual genericity. *J. Symb. Log.* **72** (2007) 755-766.
Truss, J. K.
[see: Campero-Arena, G., Droste, M., Gray, R., Morozov, A.]
Urbanski, M.
[see: Stratmann, B. O.]
Urosevic, D.
[see: Brimberg, J., Mladenović, N.]
Vatter, V.
Reconstructing compositions. *Discrete Math.* **308** (2008) 1524-1530.
Vatter, V.
Enumeration schemes for restricted permutations. *Comb. Probab. Comput.* **17** (2008)

137-159.
Vatter, V.
[see: Brignall, R.]
Vazquez Rodriguez, J. A.
[see: Salhi. A.]
Vdovina, A.
On the number of optimal surfaces. *Geometry and Topology,* to appear.
Venkataraman, G.
[see: Blackburn, S. R.]
Verstraëte, J.
[see: Keevash, P.]
Volz, J.
[see: Lozin, V. V.]
Vrána, P.
[see: Broersma, H. J.]
Vušković, K.
[see: Maffrey, F., Kloks, T., Trotignon, N.]
Wachtel, V.
[see: Fleischmann, K.]
Wade, A. R.
[see: Penrose, M. D.]
Walters, M.
Extensions of the polynomial Hales-Jewett theorem. *Combin. Probab. Comput*. **16** (2007) 789-803.
Wang, Z.
[see: Chen, B.]
Ward, H. N.
[see: Hill, R.]
Waters, R. J.
Some new bounds on T_r-choosability. *Discrete Math.* **307** (2007) 2290-2299.
Waters, R. J.
[see: Müller, T.]
Welberry, T. R.
[see: Sing, B.]
West, D. B.
[see: Cameron, P. J.]
Wild, P. R.
[see: Blackburn, S. R.]
Wildon, M.
[see: Britnell, J. R.]
Williams, J.
[see: Holroyd, F. C.]
Williams, L. K.
[see: Chapman, R. J.]
Wilson, R. J.
Euler's combinatorial mathematics. *BSHM Bull.* **23** (2008) 13-23.

Wilson, R. M.
[see: Keevash, P.]
Winkler, P.
[see: Paterson, M. S.]
Winter, A.
[see: Cameron, P. J.]
Woeginger, G. J.
[see: Levin, A.]
Wood, R. G. and Woodall, D. R.
Defective choosability of graphs without small minors. Submitted.
Woodall, D. R.
Some totally 4-choosable multigraphs. *Discuss. Math. Graph Theory* **27** (2007) 425-455.
Woodall, D. R.
The average degree of an edge-chromatic critical graph. *Discrete Math.* **308** (2008) 803-819.
Woodall, D. R.
The average degree of an edge-chromatic critical graph II. *J. Graph Theory* **56** (2007) 194-218.
Woodall, D. R.
An inverse binomial function and graph colourings. *Bull. Inst. Combin. Appl.*, to appear.
Woodall, D. R.
Colourfully panconnected subgraphs II. *Ars Comb.*, to appear.
Woodall, D. R.
[see: Hetherington, T. J., Wood, R. G.]
Wooldridge, M.
[see: Elkind, E.]
Wu, T.
[see; Buchheim, T., Cameron, P. J.]
Xing, W.
[see: Chen, B.]
Xiong, L.
[see: Broersma, H. J.]
Yannakopoulos, C.
[see: Holroyd, F. C.]
Yeo, A.
[see: Balister, P. N., Bang-Jensen, J., Gutin, G., Henning, M.]
Young, A.
[see: Kühn, D.]
Yoshimoto, K.
[see: Broersma, H. J.]
Zaverucha, G. M.
[see: Blackburn, S. R.]
Zhang, Q.
[see: Salhi. A.]
Zhao, X.
[see: Gupta, A.]

Zhao, Y.
[see: Keevash, P.]
Zito, M.
[see: Beis, M, Cooper, C., Duckworth, W.]
Zverovich, V. E.
[see: Gagarin, A.]
Zwick, U.
[see: Paterson, M. S.]