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:

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</tr>
<tr>
<td>e</td>
<td>Networks</td>
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</tbody>
</table>
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)

Institute of Mathematics University of Aberdeen, Fraser Noble Building, Aberdeen AB24 3UE Scotland, UK. Tel. 01224 272605
http://www.abdn.ac.uk/ncs/departments/mathematics
Dr. Jason P. Smith (permutation patterns, combinatorics, topology).

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

ABERYSTWYTH UNIVERSITY
Institute of Mathematics, Physics & Computer Science, Aberystwyth University, Aberystwyth, SY23 3BZ. Tel: 01970 622802 Fax: 01970 622826 email: maths@aber.ac.uk
http://www.aber.ac.uk/maps/en/
Prof J. D. Key (Honorary Professor: combinatorics, codes)
Prof V.C. Mavron* (Emeritus: designs, codes)
Dr T. P. McDonough (retired, Honorary Lecturer: designs, permutation groups, codes)
Prof A.O. Morris (Emeritus: representation theory and algebraic combinatorics)

Lecture courses None currently.

Current periodicals: P, U, h

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
Dr Antal Jarai (probability including spanning forests/trees and sandpiles)
Dr. Ceclie Mailler (probability enumerative combinatorics))
Dr. Marcel Ortgiese (probability, including random graphs)
Prof Mathew Penrose (probability theory, geometric random graphs)
Dr Alexandre Stauffer* (probability including random walks,, random graphs, percolation and Markov chain mixing times)

Forthcoming visitors to Bath in probability (often interacting with combinatorics) are listed at http://www.bath.ac.uk/research/centres/probability-laboratory/seminars/ (scroll down the page).

Seminar Probability Seminar (Monday, 12.15):
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.ems.bbk.ac.uk/
Dr Andrew Bowler* (symmetric designs, combinatorial matrices, permutation groups)
Dr Ben Fairbairn (combinatorial algebra).
Prof. Sarah Hart (permutation groups, sum-free sets)
Dr. Steven Noble (graph polynomials and matroids)
Dr Maura B. Paterson (frameproof codes, key distribution schemes, multivariate equation solving techniques).
Dr Amarpreet Rattan (factorizations of permutations, combinatorial representation theory, lattice path combinatorics).

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 Trevor I. Fenner (combinatorial algorithms, probabilistic algorithms, random graphs)
Prof George Loizou (combinatorial algorithms)
Dr Oded Lachish (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
http://web.mat.bham.ac.uk/combinatorics/main.html (for combinatorics group).
Dr. Johannes Carmesin (infinite graph theory)
Dr Nikolaos Fountoulakis (Random Graphs, percolation, Randomized Algorithms)
Prof Daniela Kühn (Extremal and Probabilistic Combinatorics)
Dr. Allan Lo (Extremal Combinatorics)
Dr. Eoin Long (combinatorics)
Dr. Richard Montgomery (Extremal and Probabilistic Combinatorics).
Dr Richard Mycroft (Extremal Combinatorics)
Prof Deryk Osthus* (Extremal and Probabilistic Combinatorics)
Dr. Guillem Perarnau (Probabilistic Combinatorics)
Dr. Henning Sulzbach (Probability theory and applications to random discrete structures)
Dr Andrew Treglown (Extremal Combinatorics)

Research Fellows
Dr. Stefan Glock (Combinatorics)
Dr. Antonio Girao (Combinatorics)

http://www.bath.ac.uk/research/centres/probability-laboratory/seminars/
Research Students
Padraig Condon (Prof. Osthus)
Matthew Coulson (Dr. Perarnau)
Alberto Espuny Diaz (Prof. Kühn)
Stephen Gould (Prof. Osthus)
Bertille Granet (Prof. Kühn)
Joseph Hyde (Dr. Treglown)
Tejas Iyer (Dr. Fountoulakis)
Amartha Kathapurkar (Dr. Mycroft)
Nicolas Sanhueza-Matamala

Lecture courses
Combinatorial Optimisation (22 lectures, 3rd year)
Discrete Mathematics (22 lectures, 1st year)
Combinatorics (22 lectures, 3rd and 4th year)
Communication Theory (22 lectures, 3rd and 4th year)
Computability (22 lectures, 3rd and 4th years)
Advanced Topics in Combinatorics (22, 4th year)
Graph Theory (44, 3rd and 4th year)

Seminar Combinatorics Research Seminar (usually Thursdays 2 p.m)
http://web.mat.bham.ac.uk/combinatorics/

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
Prof Carl Dettmann (random geometric graphs, wireless networks, dynamical systems, statistical physics)
Dr Oliver Johnson (group testing, entropy, log-concavity)
Dr Ashley Montanaro (quantum computation, including combinatorial aspects)
Dr Misha Rudnev (harmonic analysis, geometric combinatorics, hard Erdős problems)
Prof Trevor Wooley (number theory)

Research Fellows
Dr Edward Crane (Geometric function theory, circle packings, holomorphic dynamics, discrete probability, two-dimensional statistical mechanics)
Dr Neil Gillespie (error-correcting codes, permutation groups, codes in graphs)
Dr. Kevin Grace (matroid theory)
Dr Justin McInroy (groups, algebras, finite geometry, codes)
Dr. Fatemeh Mohammadi (combinatorics and algebraic geometry/commutative algebra)

Department of Computer Science Merchant Venturers Building, Woodland Road, Bristol, BS8 1UB, Tel. 0117 954 5264, Fax 0117 954 5208
http://www.cs.bris.ac.uk/
Dr Raphael Clifford (algorithms)
Dr He Sun (spectral graph theory, randomised algorithms)

Research Fellows

Research Students
Sophie Stevens (Prof. Rudnev)

Lecture Courses
Combinatorics (36 lectures, 2nd year)
Optimisation 2 (36 lectures, 2nd year)
Information Theory (18 lectures, 3rd year)
Experimental Design (18 lectures, 3rd year)
Quantum Information Theory (16 lectures, 4th year)
Complex Networks (36 lectures, 3rd and 4th year)
Topics in Discrete Mathematics (15 lectures, 3rd and 4th year)

Seminar  Combinatorics Seminar on Thursdays at 4.15 p.m: see
http://www.bristol.ac.uk.maths/events/combinatorics/

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 (online). E, h
(paper),; plus some old paper copies of A, B, F, H, J, L, M, N, R, T, X, Y, b, d, i.

BT MOBILITY RESEARCH CENTRE, ADASTRAL PARK, MARTLESHAM.
http://keithbriggs.info/
Dr Keith Briggs (graph theory and stochastic processes for network applications).

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* (matroid theory, graph theory)
Dr Ilia Krasikov (graph theory, combinatorics, coding theory, number theory, orthogonal
polynomials)

Lecture courses
Encryption and Data Compression (48 lectures, 3rd year, Dr Krasikov)
Elements of Combinatorics (24 lectures, 2nd year, Dr Krasikov)
Fundamentals (24 lectures, 1st year, Dr Winter)
Probability (36 lectures, 1st year, Dr Kaloghiros)

Institutional Research Repository (containing preprints etc.): http://bura.brunel.ac.uk/
Current Periodicals: A, B, E, F, H, I, J, L, M, N, O, P, Q, R, S, T, U, V, X, Y, a, b, c, d, e, f, g

UNIVERSITY OF CAMBRIDGE
Centre for Mathematical Sciences Wilberforce Rd, Cambridge CB3 0WB. Tel: 01223 337999 Fax: 01223 337920
http://www.dpmms.cam.ac.uk/

Prof. E. Breuillard (additive combinatorics)
Prof W. T. Gowers (analysis, combinatorics)
Prof G. R. Grimmett (probability theory, combinatorial theory)
Prof F. P. Kelly (random processes, networks, optimization)
Prof I. B. Leader* (extremal combinatorics, Ramsey theory)
Prof J. Saxl (group theory)
Dr. P. Sousi (probability, including combinatorial aspects)
Prof. S. Tavare (probability, combinatorics, biological applications)
Prof A. G. Thomason (combinatorics, graph theory, algorithms)
Prof R. R. Weber (mathematical operational research, stochastic networks)
Dr. J. Wolf (additive combinatorics)

Fellows and Research Fellows
Dr. Thomas Bloom (additive combinatorics)
Prof Béla. Bollobás (combinatorics, graph theory)
Dr Thomas E. Forster (logic, set theory, combinatorics)
Dr. Vytautas Gruslys (combinatorics)
Dr. Jonathan Hermon (probability, including combinatorial aspects)
Dr. Tom Hutchcroft (probability, including combinatorial aspects)
Dr. Natasha Morrison (combinatorics)
Dr Paul Russell (Ramsey theory)
Dr. Julian Sahasrabudhe (combinatorics)
Dr. Matthew Tointon (additive combinatorics)
Dr. Peter Varjú (dynamical systems, probability, combinatorics)
Dr. Aled Walker (combinatorics, analytic number theory)

Research students
Andrew Carlotti (Prof. Bollobás)
Stefan David (Prof. Bollobás)
Peter van Hintum (Prof. Bollobás)
Freddie Illingworth (Prof. Thomason).
Piet Lammers (Prof. Bollobás)
Jason Long (Prof. Gowers)
Ares Meroueh (Prof Thomason)
Zarko Randelovic (Prof. Leader)
Eero Raty (Prof. Leader)
Marius Tiba (Prof. Bollobás)
Matthew Wales (Prof Thomason)

Lecture courses
Numbers and Sets (24 lectures, 1st year, Prof Thomason)
Graph Theory (24 lectures, 3rd year, Dr. Russell)
Coding and Cryptography (24 lectures, 3rd year, Dr Rachel Camina)
Combinatorics (16 lectures, Part III, Prof. Leader)
Introduction to Approximate Groups (Dr. Tointon)
Introduction to Discrete Analysis (Prof. Gowers)
Mixing time of Markov chains (Dr. Hermon)
Percolation and Random Walks on Graphs (16 lectures, Part III, Dr. Sousi)
Topics in Ergodic Theory (Dr. Varju).

Seminars
Combinatorics (Thursdays at 2.30 p.m.)

UNIVERSITY OF CARDIFF
School of Computer Science and Informatics 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/

Prof. Stuart M. Allen (mobile communications, frequency assignment, combinatorial optimisation, latin squares)
Dr. Padraig Corcoran (combinatorics, algorithms)
Prof Stephen Hurley (mobile communications, frequency assignment, combinatorial optimisation)
Prof. Roger M. Whitaker (mobile communications, frequency assignment, combinatorial optimisation, latin squares)

School of Mathematics. Maths and Education Building, Senghennydd Road, Cardiff, CF24 4AG

Dr. Iskander Aliev (discrete mathematics)
Prof. Roger Behrend (Combinatorics, including alternating sign matrices, graphs, lattice paths, plane partitions, polytopes)
Dr. Andrei Gagarin* (combinatorics, algorithms)
Dr Matthew Lettington (combinatorial number theory)
Dr. Rhyd Lewis (graph colourings, combinatorial optimisation)

Lecture courses
Introduction to the Theory of Computation (2nd year)
Combinatorics (3rd year, Prof Behrend)
Coding Theory (3rd year, Dr Aliev)
Algorithms and Heuristics (3rd year, Dr Lewis)
Combinatorial Optimisation (3rd year)
Combinatorial and Analytic Number Theory (4th year, Dr Lettington)
Graph Theory and Algorithms (4th year, Dr Gagarin)

Seminars
Discrete Mathematics and Data Science
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, combinatorial optimisation; computational complexity; graph theory)

Department of Mathematics  Tait Building, Northampton Square, London EC1V 0HB. Tel 020 7040 6051. Fax 020 7040 8566

http://www.city.ac.uk/department-mathematics

Prof. M. Broom (mathematical biology, links with graph theory)
Dr A. Cox (representation theory)
Prof J. Chuang (representation theory of finite groups)
Dr M. De Visscher (representation theory)
Prof R. Kessar (representation theory of finite groups)
Prof M. Lindelmann (representation theory of finite groups)

UNIVERSITY OF DERBY

School of Computing and Mathematics  Faculty of Business, Computing and Law, University of Derby, Kedleston Road, Derby DE22 1GB. Tel: 01332 591896 Fax: +44 (0)1332 597741.

http://www.derby.ac.uk/computing

Dr Ovidiu D. Bagdasar (Discrete Mathematics, Optimization, Mathematical Modelling, Geometry, Complex Analysis)
Prof Peter J. Larcombe* (hypergeometric function theory, generating functions, binomial coefficient sums)
Dr Nicholas Korpelainen (structural and algorithmic graph theory, permutation patterns)

Research students: None

Lecture courses: Graph Theory and its Applications (3rd year)

Current periodicals: None

UNIVERSITY OF DUNDEE

Computing  Computing, University of Dundee, Dundee DD1 4HN. Tel: 01382 388035

http://www.computing.dundee.ac.uk

Dr K. J. Edwards* (Graph colourings, graph decompositions, complexity)
Dr. Saša Radomirović (Combinatorics on words, cryptographic protocols, information security)
Lecture Courses:
Graph Theory (level 3)
Theory of Computation (level 3)

Current Periodicals: T, V, b, d

DURHAM UNIVERSITY

Department of Computer Science Science Laboratories, South Road, Durham DH1 3LE Tel: 0191 33 41700 Fax: 0191 33 41701
http://community.dur.ac.uk/algorithms.complexity/
Dr M. Bordewich (computational complexity; randomised algorithms; phylogenetics)
Dr S. Dantchev (proof complexity)
Dr T. Friedetzky (randomised algorithms; probabilistic analysis; sub-linear time algorithms; communication networks)
Dr M. Gadouleau (coding, network coding, information theory and their links to combinatorics and matroid theory)
Dr I. Ivriissimitzis (geometric modelling)
Dr M. Johnson* (graph theory, combinatorial optimization, combinatorial designs)
Prof A. Krokhin (algebra; logic; discrete mathematics; constraint satisfaction; computational complexity; temporal reasoning)
Dr. B. Martin (computation complexity)
Dr G. Mertzios (Algorithms, Complexity, Networks, Combinatorial Optimization, Algorithmic Game Theory)
Dr D. Paulusma (graph theory; algorithms; combinatorial optimization; cooperative game theory)
Prof I. A. Stewart (computational complexity; finite model theory; descriptive complexity; graph theory; interconnection networks; group theory)

Department of Mathematical Sciences Department of Mathematical Sciences, Durham University, Science Laboratories, South Rd, Durham DH1 3LE. Tel: 0191-334-3050 Fax: 0191-334-3051

Dr Nicholas Georgiou (Probabilistic combinatorics and partial orders; modular decomposition and its connection to the Reconstruction Conjecture)
Dr Norbert Peyerimhoff (global analysis, graph theory, Riemannian geometry)

Research Staff (in Computer Science)
Dr. Konrad Dąbrowski (graph algorithms, parameterized complexity)
Dr. Jakub Opršal (combinatorics)
Dr. Viktor Zamaraev (structural graph theory)

Research Students
Abdul Ghani (Dr. Dantchev and Dr. Martin)
Giacomo Paesani (Prof. Paulusma)
Siani Smith (Dr. Martin and Prof. Paulusma)
Dan Thomas (Dr Johnson)
Chris Wastell (Dr Friedetzky)
William Whistler (Prof Krokhin).

Lecture Courses:
Algorithms and Data Structures (1st year, 40 lectures, Dr Friedetzky and Dr Johnson)
Logic and Discrete Mathematics (1st year, 40 lectures, Prof Krokhin and Dr Paulusma)
Algorithms and Complexity (2nd year, 20 lectures, Dr Gadouleau and Dr Mertzios)
Advanced Algorithms (3rd year, 10 lectures, Dr Johnson)
Advanced Computational Complexity (3rd year, 10 lectures, Prof Krokhin)
Algorithmic Game Theory (3rd year, 10 lectures, Dr Dantchev)
Information Theory (3rd year, 10 lectures, Dr Gadouleau)

Seminars
The Algorithms and Complexity Group have a weekly seminar, current webpage.
http://community.dur.ac.uk/algorithm.complexity/seminars.html

(electronic only except H, I. H which are hardcopies).

UNIVERSITY OF EAST ANGLIA, NORWICH
School of Mathematics  University of East Anglia, Norwich NR4 7TJ. Tel: 01603 456161 Fax: 01603 259515
http://www.uea.ac.uk/mth
Prof A.R. Camina (block designs, finite groups)
Prof M. Džamonja (logic, set theory, infinite combinatorics)
Dr Robert D. Gray* (algebra and combinatorics)
Dr S. Lyle (representation theory).
Dr I. J. Siemons (permutation groups, topological and homological methods)
Prof A.E. Zalesskii (group theory, ring theory)

School of Computing Sciences  University of East Anglia, Norwich, NR4 7TJ, United Kingdom. Tel. +44 (0) 1603 592607. Fax. +44 (0) 1603 593345
http://www.uea.ac.uk/cmp/
Dr Katharina Huber (finite metric spaces, phylogenetics, discrete algorithms, applications of combinatorial approaches to computational biology)
Prof Vincent Moulton (finite metric spaces, phylogenetics, discrete algorithms, graph theory, applications of combinatorial approaches to computational biology)
Dr. Taoyang Wu (phylogenetic combinatorics)

Research students
Mr. Badr Allhadri (Dr Lyle)
Miss S. Bastkowsk (phylogenetics, Prof Moulton)
Mr. S. Greatrix (phylogenetics, Prof Moulton)
Mr. R. Suchecki (phylogenetics, Dr Huber)

Lecture courses (check availability):
Discrete Mathematics (2\textsuperscript{nd} year)
Set theory (3\textsuperscript{rd} year)
Infinite permutation groups (4\textsuperscript{th} year, p/g)
Representation Theory (3\textsuperscript{rd} year)
Graph theory (3\textsuperscript{rd} year)
Group theory (3\textsuperscript{rd} year)
Computability (3\textsuperscript{rd} year)
Model theory (3\textsuperscript{rd} 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)
Dr. Heng Guo (algorithms and complexity)
Research students

Lecture Courses
Algorithms and Data Structures (3\textsuperscript{rd} year)
Computability and Intractability (3\textsuperscript{rd} year, MSc)
Computational Complexity (4\textsuperscript{th} 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 David Branson (retired: applied probability, combinatorics of Stirling numbers)
Dr. Jessica Claridge (cryptography, coding)
Prof Peter.M. Higgins (combinatorics of algebraic semigroup theory, cryptography)
Dr David Penman* (random and pseudo-random graphs, aspects of poset theory and additive combinatorics)
Prof Chris Saker (combinatorics on words, semigroup theory, cryptography)
Dr Abdellah Salhi (combinatorial optimisation)
Dr Alexei Vernitski (algebra, combinatorics, computer security)
Prof Gerald Williams (computational group theory)

Research students
Andria Eleftheriou (reliability of graphs: Dr Penman: part-time)
Baha Tamimi (critical groups of graphs, Dr Penman and Dr Williams, part-time)

Lecture Courses
Graph Theory (3\textsuperscript{rd} year, Dr Penman) (30 lectures)
Codes and Cryptography (Dr Williams, 3\textsuperscript{rd} year) (30 lectures)
Combinatorial optimisation (Dr Xinan Yang, 3\textsuperscript{rd} year) (30 lectures)

Current periodicals: H, P, h.
**UNIVERSITY OF EXETER**

*School of Engineering, Computing and Mathematics* Harrison Building, University of Exeter, North Park Road, Exeter EX4 4QF.
Tel: 01392 263650 Fax: 01392 264067

http://www.secam.ex.ac.uk/mat

Dr R. J. Chapman* (finite fields, coding theory, enumerative combinatorics)

*Lecture courses*
Discrete Mathematics and Probability (1st year)
Coding theory (3rd year)
Combinatorics (3rd year)
Graphs, Networks and Algorithms (3rd year)

*Current periodicals: C, D, W*

(For “Glamorgan”, see now “University of South Wales”).

**UNIVERSITY OF GLASGOW**

*School of Mathematics and Statistics* School of Mathematics and Statistics, University of Glasgow, University Place, Glasgow G12 8QQ; Tel: 0141 330 2940.

www.gla.ac.uk/schools/mathematicsstatistics
Dr I. Anderson (Honorary research fellow: designs, whist tournaments)

*School of Computing Science* Sir Alwyn Williams Building, Lilybank Gardens, Glasgow G12 8QQ Tel: 0141 330 4256
http://www.gla.ac.uk/schools/computing/

Dr. J. Enright (graph theory, optimisation, algorithms, network epidemiology)
Dr R.W. Irving (combinatorial and graph algorithms) (Honorary Research Fellow)
Prof D.F. Manlove (combinatorial and graph algorithms)
Dr K. Meeks* (graph theory, algorithms, parameterised complexity, networks.
Prof A. Miller (combinatorial and graph algorithms)
Dr P. Prosser (combinatorial and graph algorithms)

*Research Associates*
Dr. Blair Archibald (algorithms)
Ciaran McCreesh (combinatorial and graph algorithms)
William Pettersson (graph theory, algorithms, combinatorial optimisation)

*Research students*
Benjamin Bumpus (combinatorial and graph algorithms, parameterised complexity, Dr. Meeks)
Frances Cooper (combinatorial and graph algorithms, Dr Manlove)
Michael McKay (algorithms for coalition formation problems, Prof Manlove)
Sofiat Olaosebikan (combinatorial and graph algorithms, Dr Manlove)
Craig Reilly (Parallel graph search with isomorphism elimination, Dr Miller)
Jessica Ryan (combinatorial and graph algorithms, graph theory, Dr. Meeks)
James Trimble (combinatorial and graph algorithms, Dr Manlove and Dr Prosser)

*Lecture courses*
Algorithmic Foundations 2 (Computing Science, 2nd year, 22 lectures)
Algorithms and Data Structures 2 (Computing Science, 2nd year, 22 lectures)
Algorithmics I (H) (Computing Science, 3rd year, 20 lectures)
Algorithmics II (H) (Computing Science, 4th year, 20 lectures)
Constraint Programming M (Computing Science, 4th year, 20 lectures)

Graphs and Networks (Maths, 22 lectures, 2nd year)
Topics in Discrete Mathematics (Maths, 21 lectures, 2nd year)

Seminars: Formal Analysis, Theory and Algorithms (Tuesday, 1 pm, during semester time).
(Dr Michael McKay)
https://www.gla.ac.uk/schools/computing/research/researchsections/fata-section/.

*Current periodicals:* C, O, i (paper only)
M, N, Q, R, V, X, Y, b, c, h (paper and electronic)
A, B, F, H, I, L, P, S, T, U, Z, a, d, e, f, g (electronic only).

**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.goldsmiths.ac.uk/computing/
Dr. G. Badkobeh (combinatorics on words).
Dr I. Pu* (combinatorial algorithms, randomized, parallel, probabilistic and average case algorithmics)

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

*Current Periodicals:* X, Y, b

**UNIVERSITY OF GREENWICH**
*School of Computing and Mathematical Sciences* University of Greenwich, London, SE18 6PF Tel: 0208 316 8000 Fax: 0208 855 4033
http://www.gre.ac.uk/schools/cms
Prof Vitaly 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. Laura Ciobanu (group theory, combinatorics, formal languages)
Dr Mark V. Lawson (semigroup theory, combinatorics on words)

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
Dr Jennie Hansen (probabilistic combinatorics)

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

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

UNIVERSITY OF HERTFORDSHIRE
School of Physics, Astronomy and Mathematics University of Hertforshire, College Lane, Hatfield, Hertfordshire, AL10 9AB
Tel. +44 (0)1707 284394
http://www.herts.ac.uk/apply/schools-of-study/physics-astronomy-and-mathematics
Dr Catarina Carvalho (algebra, combinatorics, theoretical computer science)
Dr Yann Péresse (algebra, combinatorics)

ROYAL GRAMMAR SCHOOL, HIGH WYCOMBE.
Dr Richard I Shreeve (retired) (combinatorics in general, specifically enumeration of 3-topes and n-topes).

Lectures: Occasional lectures to Oxbridge applicants.

UNIVERSITY OF HULL

Computer Science School of Engineering and Computer Science, Faculty of Science and Engineering, University of Hull, Cottingham Road, Hull, HU6 7RX
http://www.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: T. Electronic access to H, J, P, Q, R, S, U, V, X, Y, a, b, d
IMPERIAL COLLEGE LONDON

Department of Mathematics

Dr John Britnell (group theory, algebraic combinatorics)
Prof D. M. Evans (permutation groups, automorphism groups of infinite structures)
Prof A. Ivanov (distance-transitive graphs)
Prof M. W. Liebeck (group theory, algebraic combinatorics)
Dr O. Pretzel (retired: combinatorics)

Department of Electrical Engineering

Dr Moez Draeif (applied probability including random graphs).

KEELE UNIVERSITY

School of Computing and Mathematics

Dr D. Bedford* (latin squares; designs)
Dr J. Preater (applied probability, random graphs)
Dr. P. Truman (Algebraic number theory and combinatorics)

Lecture courses

Advanced Combinatorics (40 lectures, 4th year, Dr Bedford)
Codes and Cryptography (30 lectures, 3rd year, Dr Truman)

UNIVERSITY OF KENT

School of Mathematics, Statistics and Actuarial Science

Dr. C. D. Bowman (combinatorics and representation theories of diagrammatic algebras)
Prof P. Fleischmann (algebraic combinatorics, root systems, Mobius function)
Prof. S. Launois (q-calculus)
Dr B. Lemmens (applications of discrete geometry in dynamics and analysis)
Dr. A. F. Loureiro (orthogonal polynomials)
Dr R. E. Paget* (representation theory of symmetric groups and related algebras, plethysm)
Dr. C. M. A. Pech (cluster algebras)
Dr R. J. Shank (modular invariant theory)
Dr C. F. Woodcock (orthogonal Latin squares)

Research students

Reuben Green (Dr Paget)
Brendan Nolan (Prof Launois)
Alexandra Rogers (Prof Launois)

Lecture courses
Discrete mathematics (36 lectures, 3rd year, Dr Woodcock)
Graphs and combinatorics (36 lectures, 3rd year / M.Sc., Dr Lemmens)
Symmetries, Groups and Invariants (3rd year / M.Sc., Prof Fleischmann)

Current periodicals: electronic access to A, B, E, F, H, J, L, M, N, O, 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. Lorraine Ayad (combinatorics on words)
Prof. Maxime Crochemore (combinatorics on words)
Prof. Colin Cooper (random graphs, random algorithms)
Prof Tomasz Radzik (algorithms, combinatorial algorithms etc.).

Research Students
Panagiotis Charalampopoulos (combinatorics on words)

KINGSTON UNIVERSITY
Faculty of Science, Engineering and Computing
Kingston University,
Penrhyn Road, Kingston-upon-Thames, KT1 2EE
http://sec.kingston.ac.uk/

School of Mathematics
Dr Gordon J. A. Hunter* (Applications of graph theory to Natural Language Modelling, Statistical Physics and Computational Networks)
Dr Mark Jones (Number Theory and Cryptography)

School of Computing and Information Systems
Prof Les Hatton (forensic software engineering).
Dr Luke Hebbes (software, turbocodes)
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

Dr. Natasha Blitvic (algebraic combinatorics, q-series and combinatorics of mathematical physics)
Prof A.G. Chetwynd (combinatorial applications in statistics)
Dr. Jan Grabowski (cluster algebras, quantum spaces and the combinatorics of their torus-invariant prime ideal spectrum)
Dr Lukasz Grabowski (graph limits)
Dr. Derek Kitson (geometric and combinatorial rigidity, operator theory, analysis)
Dr. Nadia Mazza (representation theory)
Dr Tony Nixon* (combinatorial rigidity, discrete geometry, graph theory, matroid theory)
Dr. Sean Prendiville (additive combinatorics)
Dr Bernd Schulze (discrete geometry, rigidity and flexibility of geometric constraint systems, graph theory, matroid theory)
Prof. Stephen Power (combinatorial rigidity, geometric constraint systems, rigidity operators).

Research Students:
Sean Dewar (Dr Kitson)
John Hewetson (Dr Nixon).
Hattie Serocold (Dr Schulze)

Lecture courses:
Discrete Mathematics (1st year, 20 lectures, Dr. Dr David Pauksztello)
Combinatorics (3rd year, 20 lectures, Dr. Schulze)
Graph Theory (3rd year, 20 lectures, Dr. Nixon)

Current periodicals: E, F, T, U, Y, b, e

UNIVERSITY OF LEEDS
School of Mathematics University of Leeds, Leeds LS2 9JT. Tel: 0113 3435140 Fax: 0113 3435090.
http://www.amsta.leeds.ac.uk/
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, logic)
Prof R. J. Marsh (Cluster algebras and related combinatorics, Coxeter groups, Representation Theory)
Prof P. P. Martin (Representation theory, connections to Combinatorics)
Dr A. E. Parker (Representation theory and connections to Combinatorics)
Prof J. K. Truss (permutation groups, automorphisms of graphs and ordered structures, logic)

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

Research Students
George Attesis (Prof MacPherson)
Samuel Wilson (Dr Müller)
Daniel Wood (Prof MacPherson)

Lecture courses
Introduction to Discrete Mathematics (22 lectures, 2nd year, Dr Penazzi)
Graph theory (33 lectures, 3rd year, Prof MacPherson)
Advanced Graph Theory (44 lectures, 4th year/M.Sc., Prof MacPherson)
Coding Theory (22 lectures, 3rd year, Prof Read)
Combinatorics (22 lectures, 3rd year, Dr Parker)
Mathematics for Computing (22 lectures, 1st year, Prof Vušković)

Current periodicals: (all online only): E, F, M, N, P, Q, T, V, X, Y, b,c,d,e,g,h.

UNIVERSITY OF LEICESTER
School of Informatics University of Leicester, University Road, Leicester LE1 7RH. Tel: 0116 252 3887 Fax: 0116 252 3604
https://le.ac.uk/informatics
Prof Thomas Erlebach* (combinatorial optimization, approximation algorithms, algorithmic graph theory)
Prof Richard M. Thomas (combinatorial group and semigroup theory, automata theory)

Research Students
Anastasia Ioannou (modelling systems via Petri nets, Prof Mousavi and Prof Thomas)
Kleitos Papadopoulos (efficient graph algorithms, Prof Erlebach)
Jakob Spooner (temporal graphs, Prof Erlebach)

Lecture courses
Foundations of Computation (22 lectures, 1st year, Dr Ulidowski and Prof Moussavi)
Analysis and Design of Algorithms (30 lectures, 3rd year, Dr Fung)
Foundations of Cybersecurity (30 lectures, 3rd year, Dr Fung).
Discrete Event Systems (24 lectures, M.Sc., Dr de Vries)
Algorithms for Bioinformatics (24 lectures, M.Sc., Prof Erlebach)
Game Theory in Computer Science (24 lectures, M.Sc., Dr de Vries).

Seminars There is a regular seminar program, see
http://www2.le.ac.uk/departments/informatics/news/researchevents

School of Mathematics and Actuarial Sciences, University of Leicester, University Road, Leicester LE1 7RH. Tel: 0116 252 3917 Fax: 0116 252 3915
https://le.ac.uk/mathematics
Dr Sibylle Schroll (representation theory of algebras, homological algebra, matroids and hypergraphs)
Dr. Jason Semeraro (combinatorics, group theory, representations).
Dr Salvatore Stella (cluster algebras, representations of Kac-Moody groups, root systems, reflection groups, polytopal geometry)

Post-docs
Dr Hipolito Treffinger (representation theory of algebras, (tau)-tilting theory, homological algebra, stability conditions)
Dr Yadira Valdivieso Diaz (mirror symmetry and geometric models in algebra)

Research Students
Aran Tattar (classification of quasi-hereditary structures, Prof Schroll)
Nick Williams (categorification of the combinatorics of Grassmannians, Prof Schroll)

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

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 P. Dunne (Complexity theory and algorithm design)
Prof L. Gasieniec (Distributed and parallel computing; network communication; algorithmic agent design; string matching)
Prof D. Kowalski (Distributed computing; network communication algorithms; fault tolerance; combinatorial and randomized data structures)
Prof P. Krysta (algorithmic game theory, Algorithmic mechanism design, Combinatorial optimisation, Approximation algorithm)
Prof P. Spirakis (Algorithms & Complexity, Probabilistic methods in algorithms, algorithmic game theory)
Dr A. McCabe (auctions and mechanism design).
Dr I. Biktasheva (Computational mathematics; computational biology; autowaves and autowave vortices; computer modeling for cardiology; high performance computing)
Dr G. Christodoulou (Algorithmic game theory, Inefficiency of equilibria, Algorithmic mechanism design)
Dr M. Gairing (Algorithmic Game Theory, Approximation Algorithms)
Dr R. Martin (Distributive computing, randomized algorithm, enumerative combinatorics)
Dr I. Potapov (Design and analysis of algorithms; computational models and automata theory; decidability issues)
Dr R. Savani (Algorithmic Game Theory, Equilibrium Computation, Automated and Algorithmic Trading)
Dr D. Wojtczak (stochastic games, Markov chains, algorithmic game theory, control theory, modelling of biological and queueing systems)
Dr P. Wong (combinatorial algorithms, scheduling, packing, computational biology)
Dr M. Zito* (algorithms and complexity, random structures)
Research Fellows
Dr. Eleni Akrida (algorithms, graph theory, random graphs)
Dr John Fearnley (Algorithmic Game Theory, Logic and Computation)
David Hamilton (visualisation and animation mechanisms for large networks)
Dr. Pavel Semukhin (reachability problems, automatic structures, computational learning theory, computability theory)
Dr Jinshan Zhang (Algorithmic game theory, Algorithmic mechanism design)

Research Students
Sultan Alshamrani (cloud computing, network patrolling)
Thomas Carroll (String algorithms, Combinatorics, Bioinformatics, GPU Computing)
Jie Min (recognition of structural properties in complex networks)
Pavan Sangha (Random graphs)
Alkmini Sgouritsa (Algorithmic Mechanism Design, Algorithmic Game Theory, Algorithms, Complexity)
Tao Shang (migration mechanisms in social networks)
Bo Tang (Algorithmic game theory)

Lecture courses:
Comp108: Algorithmic Foundations (1st year)
Comp109: Foundations of Computer Science (1st year)
Comp202: Complexity of Algorithms (2nd year)
Comp218: Decision, Computation and Language (2nd year)
Comp309: Efficient Sequential Algorithms (3rd year)
Comp323: Introduction to Computational Game Theory (3rd year)
Comp324: Complex Information and Social Networks (3rd year)
Comp523: Advanced Algorithmic Techniques (Master’s)
Comp526: Applied Algorithmics (Master’s)
Comp557: Optimisation (Master’s)
Comp559: Computational Auctions and Mechanism Design (Master’s)

Seminar:
Each research group holds regular seminars.

With strong mathematical interests is also the NeST initiative:
http://www.liv.ac.uk/network-science-technologies

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://www2.lse.ac.uk/maths
Dr. Ahmad Abdi (combinatorics and optimisation).
Dr Peter Allen (extremal graph 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)
Dr Julia Böttcher (extremal graph theory)
Prof Graham Brightwell* (partially ordered sets, random structures)
Prof Jan van den Heuvel (graph theory, discrete mathematics, applications)
Prof Jozef Skokan (quasi-randomness, applications of the regularity lemma, Ramsey theory, extremal set theory, probabilistic combinatorics)
Prof Bernhard von Stengel (game theory and complexity)
Dr Konrad Swanepoel (combinatorial and discrete geometry, finite geometries, extremal combinatorics)
Dr Laszlo Vegh (approximation algorithms, combinatorics)
Dr Giacomo Zambelli (combinatorics, combinatorial optimization)

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 (Emeritus: orthogonal latin squares, mixed integer programming, robust regression)
Prof Gregory Sorkin (combinatorial optimisation).
Prof Richard Steinberg (operations management, combinatorial auctions, transportation networks)
Prof Paul Williams (Emeritus: linear and integer programming)

Research students
Attila Dankowics (Dr. Böttcher and Prof. Skokan)
Nóra Frankl (Dr. Skokan and Dr. Swanepoel)
Eng Keat Hng (Dr. Allen and Dr. Böttcher)
Cedric Koh (Dr. Vegh and Dr. Zambelli)
Stanislas Kučera (Prof. van den Heuval and Prof. Sorkin)
Aaron Lin (Dr. Swanepoel and Prof. von Stengel)
Amadeo Squeglia (Dr. Böttcher and Prof. Skokan)
Xinyi Xu (Prof. Brightwell and Prof. van den Heuvel)

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
CDAM Informal Workshop, Fridays 12:00
http://www2.lse.ac.uk/maths/Seminars
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/depts/msfs/  
Dr Elroy Benjamin  
Dr Carrie Rutherford* (graph and matroid theory)  

*Lecture courses*  
Discrete mathematics occurs in the first year of all the computing courses (Dr Benjamin). Applications of combinatorics appear in the 2nd year module Business Managmnet with Analytics (Dr Rutherford)  

*Study group/working paper series:*  
http://myweb.lsbu.ac.uk/~ruthercg/MathsStudyGroup/  

*Current periodicals:* A B H J L M a c d N O P Q R S T U X Y Z f  

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/  
Dr Y. Bazlov (representation theory, including interactions with combinatorics)  
Prof A.V. Borovik (matroids and generalisations, Coxeter matroids, Coxeter groups)  
Prof D. S. Broomhead (applied tropical algebra and geometry, dynamics on graphs)  
Prof R. M. Bryant (emeritus: groups, Lie algebras)  
Dr M. Johnson* (tropical algebra and geometry, free Lie algebras and Young tableaux)  
Prof. M. Kambites (tropical algebra and geometry, combinatorial group and semigroup theory, automata, computational complexity and cryptography)  
Dr H. Khudaverdian (Lie groups and algebras; symmetric functions; Schur functions; Young tableaux; combinatorics in geometry)  
Prof P. J. Laycock (Emeritus: experimental design)  
Prof J. Paris (logic, including interactions with combinatorics)  
Prof N. Ray (combinatorial Hopf algebras, geometry and combinatorics of polytopes)  
Prof P. J. Rowley (group theory)  
Dr R. Sandling (Steenrod algebra: lattices)  
Prof R. Stöhr (Group theory and Lie algebras, including combinatorial aspects and methods).  

Research students  

*Lecture courses*  
Discrete Mathematics (24 lectures, 2nd year, Dr Mark Muldoon)  
Coding Theory (24 lectures, 3rd year, Dr Bazlov)
Combinatorics and Graph Theory (24 lectures, 3rd year, Dr Gabor Megyesi)
Mathematical Programming (24 lectures, 3rd year, Mr. Mike Tso)
Computation and Complexity (32 lectures, 4th year/MSc, Dr Kambites)

*Current periodicals*: A, B, E, F, H, I, L, M, N, P, R, S, T, U, V, X, Y, Z, a, b, c, d, e, f, g, h.

**MIDDLESEX UNIVERSITY**
*Design Engineering and Mathematics Department* School of Science and Technology, Middlesex University The Burroughs, London NW4 4BT
Tel: 020 8411 5137
Dr Murad Banaji (graph theory and applications to chemical reactions).
Dr Thomas D. Bending* (Bent functions; finite geometries; lotteries).

*Lecture Courses*
Logic and Structures (1st year)
Combinatorics (3rd year)
Discrete Mathematics and Geometry (2nd year)


**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/](http://www.ncl.ac.uk/math/)
Dr Martina Balagovic* (representation theory, in particular of quantum groups, DAHA and their degenerations, and Lie superalgebras; links to combinatorics through type A representation theory, finite characteristic, and diagram algebras)
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)
Dr Stefan Kolb (representation theory of Lie algebras and quantum groups, connections to combinatorics)
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 Vdovina)
Geometries and Designs (24 lectures, 3rd year, Dr Vdovina)
Coding Theory (24 lectures, 3rd year, Prof Rees) .
Current periodicals:  A, B, F, H, I, J, L, M, N, P, Q, R, S, T, U, V, X, Y, Z, a, b, c, d, e, f, g. Almost all current issues are electronic access only.

NOTTINGHAM TRENT UNIVERSITY
School of Science and Technology, Nottingham Trent University, Clifton Campus, Nottingham NG11 8NS. Tel: 0115 848 8417
http://www.ntu.ac.uk/sat/about/academic_teams/phys_maths.html

Prof. Nadia Chuzhanova (bioinformatics, combinatorics on words)
Dr. Jonathan J. Crofts (computational graph theory, complex networks, combinatorics, data-mining, computational biology)
Dr. Archontis Giannakidis (deep learning on graphs with graph convolutional networks, max flow min-cut optimization for biomedical image analysis, graph cuts for Markov random fields in computer vision)
Dr. Timothy J. Hetherington* (graph theory, particularly graph colourings)
Dr. Colin M. Wilmott (Algebra, combinatorics, geometry, quantum coding, quantum cryptography and entanglement theory)

Discrete Mathematics & Computational Complexity (48 lectures, 2nd year, Dr. Giannakidis);
Topics in Pure Mathematics (Graph Theory and Combinatorics) (24 lectures, 3rd year, Dr. Hetherington and Dr. Giannakidis);
Coding Theory and Cryptography (24 lectures, 3rd and 4th year, Dr. Wilmott and Dr. Hetherington);
Optimisation (24 lectures, 3rd year, Dr. Giannakidis).

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 Silvia Barbina (permutation groups, automorphism groups of countable structures)
Dr Robert Brignall (permutation classes, relational structures, graph theory, well quasi order)
Dr Katie Chicot (infinite combinatorics)
Prof Mike Grannell (Emeritus: combinatorial design theory, combinatorial computing, Steiner systems, topological design theory)
Prof Terry Griggs (Emeritus: combinatorial design theory, combinatorial computing, Steiner Systems, topological design theory, quasigroups and loops)
Prof Uwe Grimm (enumerative combinatorics, words, tilings, applications to physics)
Dr Fred Holroyd (retired: fractional graph colourings, graceful and related tree labellings, Erdős-Ko-Rado properties of graphs)
Dr Kathleen Quinn* (designs and their applications)
Prof Jozef Širáň (topological graph theory, Cayley graphs)
Dr Bridget Webb (automorphisms of designs, Latin squares, infinite designs)
Prof Robin Wilson (Emeritus: history of graph theory and combinatorics, graph colourings)
Visiting research fellows
Dr Tony Forbes (Mathematics: combinatorial designs)
Dr Grahame Erskine (vertex-transitive and Cayley graphs in the degree-diameter and the degree-girth problem)

Research students
Kirstie Asciak (Prof Širáň: part-time)
James Fraser (extremal metric and topological properties of vertex transitive and Cayley graphs, Prof Širáň)
Olivia Jeans (Prof Širáň)
Robert Lewis (analysis and construction of extremal highly symmetric graphs with given metric properties: Prof Širáň and Dr Webb: part-time)
David Marchant (permutation patterns: Dr Brignall, part time)
James Tuite (vertex-transitive and Cayley graphs and embeddings: Prof Širáň)

Courses
MT365: Graphs, networks and design (3rd year)
M836: Coding Theory (M.Sc.).
M840: Dissertation in mathematics (algebraic graph theory option) (M.Sc.).

Current periodicals: A, B, C, D, E, F, H, I, J, L, M, N, P, Q, R, S, T, U, V, W, X, Y, Z, a, b, c, d, e, f, g, h, i (some electronic access only).

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
Prof David Conlon (graph theory and combinatorics)
Prof Ben Green (additive combinatorics)
Dr Raphael Hauser (continuous optimization, applied probability)
Prof Peter Keevash* (extremal and probabilistic Combinatorics)
Dr Robert Leese (channel assignment problems)
Dr Mason Porter (applications of networks)
Dr Tom Sanders (additive combinatorics)
Prof Alex Scott (combinatorics, graph theory)
Prof Dominic J. A. Welsh (retired: combinatorics, applied probability, complexity)

Research fellows/assistants
Dr. Sam Chow (number theory/combinatorics)
Dr. Annika Heckel (combinatorics)
Dr. Matthew Jenssen (extremal and probabilistic combinatorics)
Dr. Christoph Koch (Phase transitions, percolation processes, real-world networks, structural and extremal graph theory)
Dr. Andrey Kupavskii (combinatorics, set systems)
Dr. Alexander Roberts (extremal and probabilistic combinatorics)
Dr. Katherine Staden (extremal and probabilistic combinatorics)
Dr. Liana Yepremyan (combinatorics)

**Department of Statistics** 1 South Parks Road, Oxford OX1 3TG. Tel: 01865 272860 Fax: 01865 272595

http://www.stats.ox.ac.uk

Prof Christina Goldschmidt (probability theory and combinatorics)
Prof Colin 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).

**Department of Computer Science** Wolfson Building, Parks Road, Oxford OX1 3QD Tel: 01865 73838 Fax: 01856 73839

http://www.cs.ox.ac.uk

Dr. Miriam Backens (algorithms and complexity)
Prof Peter Jeavons (algorithms and complexity, constraint satisfaction)
Prof Leslie.A. Goldberg (combinatorial algorithms, complexity of counting and sampling)
Prof Paul Goldberg (algorithms, game theory)
Prof Georg Gottlob (algorithms and complexity)
Dr. John Lapinskas (combinatorics, complexity).
Dr Stanislav Živný (discrete optimisation, constraint satisfaction, generalisations of submodularity)

**Research students**
James Aaronson (Prof. Green)
Candida Bowtell
Carla Groenland (Prof. Scott)
Hannah Guggiari (Prof. Scott)
Jakub Konieczny (Prof. Green)
Sofia Lindqvist (Prof. Green)
Przemyslaw Mazur (Prof. Green)

**Lecture courses**
Communication theory (16 lectures, 3rd year, Dr D. Stirzaker)
Integer programming (16 lectures, 3rd year, Dr Hauser)
Graph Theory (8 lectures, 2nd year, Prof McDiarmid)
Graph Theory (16 lectures, 4th year, Prof Riordan)
Probabilistic Combinatorics (16 lectures, 4th year, Prof McDiarmid)

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

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

**UNIVERSITY OF PLYMOUTH**
Prof Stephen Huggett* (graph theory, twistor theory).

Research students
Mary Griffiths (Prof. Huggett).

Lecture courses
Optimisation, Networks and Graphs (3rd year, 12 weeks, 6 hours per week of which 3 are on discrete topics).

Seminars
Pure Mathematics Seminar (weekly).

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
Queen Mary, University of London, Mile End Road, London E1 4NS. Tel: 0207 975 5440 Fax: 0208 980 9587
https://www.qmul.ac.uk/maths/

Prof David. K. Arrowsmith (graph colourings, percolation theory, interaction models and knot invariants)
Prof Rosemary A. Bailey (Emerita Professor: design of experiments, latin squares and their generalisations, designs for complicated block structures, association schemes, partition species)
Dr John N. Bray (group theory)
Prof Peter J. Cameron (Emeritus Professor: groups and their operands, graphs, codes, designs, models, orbits and enumeration)
Dr David Ellis (combinatorics, and its interaction with other areas of mathematics - especially group theory, analysis, geometry and probability theory)
Dr Matt Fayers (representation theory and combinatorics)
Dr Alex Fink (Combinatorics, tropical geometry and matroid theory)
Dr Felix Fischer (mechanism design, optimization, algorithms)
Prof Anthony Hilton (Emeritus Professor: graph theory, design theory, finite set systems)
Prof Bill Jackson (graph theory, discrete geometry, matroid theory)
Prof Mark Jerrum (computational complexity, probabilistic computation, the complexity of combinatorial enumeration)
Dr J. Robert Johnson* (graph theory and combinatorics)
Prof Thomas Müller (group theory, combinatorics, analysis)
Prof Thomas Prellberg (lattice statistical mechanics, enumerative and asymptotic combinatorics)
Prof Leonard H. Soicher (Emeritus professor: algebraic and computational combinatorics)
Dr Dudley S. Stark (probability and combinatorics)
Dr Mark Walters (probabilistic combinatorics, percolation, extremal problems)
Dr Justin Ward (optimisation, operational research, algorithms)
Prof Robin Whitty (Honorary Research Associate: combinatorics)
Prof Robert A. Wilson (Emeritus Professor: group theory and representation theory, especially computational aspects)

Researchers

Research students
Natalie Behague (Dr Johnson/Dr Walters)
Rhys Evans (Prof. Soicher)
Scott Kemp (Dr Fink)
Anum Khalid (Prof. Prellberg)
Teerasak Khoploykang (Prof. Jackson)
Anitha Rajkumar (Prof. Jackson)
William Raynaud (Dr Ellis)
Ben Smith (Dr Fink)

Lecture courses
Linear Programming and Games (36 lectures, 2nd year)
Combinatorics (36 lectures, 3rd year)
Coding Theory (36 lectures, 3rd year)
Cryptography (36 lectures, 3rd year)
Random Processes (26 lectures, 3rd year) Advanced combinatorics (24 lectures, M.Sc)
Graphs and Networks (24 lectures, M.Sc)

Seminars Combinatorics study group (Fridays 4:00pm, Dr Ellis and Dr Ward)
https://www.qmul.ac.uk/maths/research/seminars/combinatorics-study-group/

Current periodicals: A, B, E, F, H, I, J, L, M, N, P, Q, R, S, T, U, V, X, Y, a, b, c, d, e, f, g.
Print only for g, electronic only for A, I, J, L, M, Q, S, a, c,d,e.f. All others available both electronically and in print.

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
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)
Linear Algebra and Coding Theory (44 lectures, Dr T. Kuna)

*Current periodicals: C, N, P, S, X, Y, b*

**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](http://www.ma.rhul.ac.uk)

Prof Simon R. Blackburn* (group theory, algebra and combinatorics of data communications, coding theory, cryptography)

Prof Carlos Cid (cryptography, security, computational algebra)

Prof Jason Crampton (applications of discrete mathematics to access control)

Dr Rainer Dietmann (analytic number theory, diophantine equations, additive combinatorics)

Prof John 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)

Prof Stefanie Gerke (graph theory, combinatorics, random structures and algorithms)

Prof Keith M. Martin (cryptography and information security)

Prof James McKee (Salem numbers, Pisot numbers, Mahler measure, elliptic curves, computational number theory, algebraic graph theory)

Prof Chris Mitchell (cryptography and information security)

Dr Iain Moffatt (algebraic combinatorics, topological graph theory, knot theory)

Prof Sean P. Murphy (spatial probability, cryptography)

Dr Siaw-Lynn Ng (combinatorics, finite geometry, applications to information security)

Prof Kenneth G. Paterson (cryptography and coding)

Prof. Mark Wildon (representation theory, group theory, combinatorics)

*Visiting Professors* Prof Steve Babbage, Prof Nelson Stephens, Prof Mike Walker (Vodafone Chair in Communications)

*Department of Computer Science* Royal Holloway, Egham Hill, Egham, Surrey TW20 0EX. Tel: 01784 443421 Fax: 01784 443420

[http://www.cs.rhul.ac.uk](http://www.cs.rhul.ac.uk)

Prof Dave. Cohen (constraint satisfaction, graphs and hypergraphs)

Prof Gregory Gutin (graphs and combinatorics, combinatorial optimisation, access control)

Dr Iddo Tzameret (theory of computation);

Dr Magnus Wahlström (combinatorial algorithms)

*Research students*

Elizabeth Berners-Lee (cryptography, Prof. Cid)

Alex Davidson (cryptography, Prof. Cid)

Naomi Farley (access control, Prof Crampton and Prof Gutin)

Thyla van der Merwe (cryptography, Prof Paterson)

Bill O'Donovan (representation theory, Dr Wildon)

Laurence O'Toole (DES, MARS, feistel networks)

Sam Scott (cryptography, Prof. Paterson)

Dale Sibborn (cryptography, Prof Paterson)
Lecture courses

Graphs and Optimisation (33 lectures, 2nd year)
Cipher systems (33 lectures, 3rd year)
Error correcting codes (33 lectures, 3rd year)
Theory of error correcting codes (44 lectures, p/g)
Channels (33 lectures, p/g)
Combinatorics (33 lectures, p/g)
Principles of Algorithm Design (33 lectures, p/g)
Public Key Cryptography (33 lectures)
Advanced Cypher Systems (44 lectures, p/g)
Applications of Field Theory (33 lectures, p/g)

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 Moffatt, Dr. Martin Widmer) (Tuesdays at 2.00 p.m. in
room 219).
Information Security Seminar (Dr Lorenzo Cavallaro) (Thursdays 11.00 in Room C229).


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

Prof R. A. Bailey (design of experiments, latin squares and their generalisations, designs for
complicated block structures, association schemes, partition species)
Dr. J. Belk (geometric group theory, automatic structures)
Dr C. Bleak (geometric group theory, automatic structures)
Prof P. J. Cameron (groups and their operands, graphs, codes, designs, models, orbits and
enumeration)
Dr C. M. Campbell (combinatorial group theory, combinatorics of semigroup presentations)
Dr. T. Coleman (Ramey theory, logic)
R. L. Constable (combinatorics)
Prof K. J. Falconer (combinatorial geometry)
Dr. J. Fraser (analysis and combinatorics)
Dr S. Huczynska (Applications of finite fields, permutation arrays, combinatorial designs)
Dr. I. Kolossvary (analysis)
Dr J. H. McCabe (graph theory, number theory)
Dr J. D. Mitchell (combinatorial and topological applications of group and semigroup theory)
Dr J. J. O'Connor (combinatorial group theory)
Prof 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, geometric group theory)
Prof N. Ruškuc (combinatorics of words, mappings, permutations: combinatorial semigroup theory)
Dr. L. Theran (combinatorics, geometry, algorithms)
Dr M. Todd (ergodic theory)

Research Students
Mr. R. Al-Kohli
Mr. S. Burrell
Mr. A. Clayton
Mr. B. De Witt
Mr. L. Elliott
Mr. S. Freedman
Mr. F. Flores Brito
Mr. S. Jurina
Miss V. Kelsey
Miss N. Khalid
Mr. C. Miller
Mr. A. Mordcovich
Mr. G O’Reilly
Mr. C. Russell
Mr. F. Smith

Lecture courses
Combinatorics and Probability (24 lectures, 2nd year)
Finite mathematics (24 lectures, 3rd/4th year, alternate years)
Graph Theory (24 lectures, 3rd/4th year, alternate years)
Advanced combinatorics (24 lecture, 4th/5th 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
CIRCA Seminar 1pm Thursdays

School of Computer Science
North Haugh, St Andrews, Fife KY16 9SX.
Tel: 01334 463253 Fax: 01334 463278
http://www.cs.st-andrews.ac.uk/
Dr. Chris Jefferson (computational algebra)
Prof Steve A. Linton (computational algebra: systems, algorithms and applications)
Dr. Ruth Hoffmann (graph algorithms)
Dr. Alexander B. Konovalov
Dr. Michael Torpey (computational algebra)

Research students
Mun See Chang

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 online only).
UNIVERSITY OF SALFORD
Mathematics Section, School of Computing, Science and Engineering University of Salford, Salford M5 4WT.
http://www.cse.salford.ac.uk
Emeritus Professor: Ray Hill* (coding theory, finite geometry)
Current periodicals: T

UNIVERSITY OF SHEFFIELD
School of Mathematics and Statistics University of Sheffield, Hicks Building, Hounsfield Road, Sheffield S3 7RH. Tel: 0114 222 3752. Fax 0114 222 3809
Dr Paul Johnson (algebraic geometry, combinatorics)
Dr Jonathan Jordan (probability, random graphs)
Research students
Mark Yarrow (preferential attachment graphs, Dr. Jordan).

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 (retired: representations theory of Lie algebra and superalgebras, applications in Physics)
Dr E. K. Lloyd (retired: combinatorics and graph theory including applications and history)
Prof C. N. Potts (combinatorial optimization and scheduling)
Prof D. Singerman (discontinuous 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)


UNIVERSITY OF SOUTH WALES
Associate Professor Nick Gill* (permutation groups, homogeneous relational structures, finite geometries)
Dr. Liam Harris (combinatorial problems)
Dr. Angelica Pachon (stochastic processes, random graphs, scenery reconstruction)
Dr Stephanie Perkins (coding theory, synchronization, combinatorial puzzles)
Emeritus Prof Derek H. Smith (coding theory, permutation codes, DNA codes, frequency assignment)

Research students
Ms Anna Skelt (magic squares)
Ms Bianca Loda (permutation groups, homogeneous relational structures)
Mr Scott Hudson (permutation groups, homogeneous relational structures)

Lecture courses
Combinatorics and Networks (2nd year, Dr. Perkins and Dr. Pachon)
Codes and Information (3rd year, Dr. Perkins, Assoc. Prof. Gill)
Cryptography (3rd year, Dr. Perkins, Mr. Griffiths)
Knots (4th year, Assoc. Prof. Gill)

Codes and Information (3rd year, Dr Perkins, Dr Hunt)
Combinatorics and Networks (2nd year, Dr Perkins and Dr Jones)
Knots (4th year, Dr Jones and Dr Gill)

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

STAFFORDSHIRE UNIVERSITY
Faculty of computing, Engineering and Technology, Staffordshire University, Leek Road, Stoke-on-Trent, ST4 2AZ. Tel/Fax: 01782 294026
Prof Brian Burrows
Dr Sarah J. Easton*

UNIVERSITY OF STIRLING
Mathematics and Statistics Group, Institute of Computing Science & Mathematics The University of Stirling, Institute 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)
Prof P. Rowlinson* (Emeritus: 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)


STRATHCLYDE UNIVERSITY
Department of Computer and Information Sciences
Livingstone Tower, 26 Richmond Street, Glasgow G1 1XH. Tel: 0141 548 2934 Fax: 0141 548 4523
http://www.strath.ac.uk/cis/

Dr. David Bevan* (enumerative combinatorics, permutation patterns)
Dr Sergey Kitaev (combinatorics, discrete analysis, graph theory, formal languages)
Prof Einar Steingrimsson (algebraic and enumerative combinatorics)

Honorary Senior Lecturer
Dr. Mark Dukes (combinatorial and discrete mathematics, statistical mechanics, applied probability)

Lecture Courses
Combinatorics for Computer Science 2 (2nd year)

Department of Mathematics and Statistics
Livingstone Tower, 26 Richmond Street, Glasgow G1 1XH. Tel: 0141 548 3804 Fax: 0141 548 3345
http://www.mathstat.strath.ac.uk/

Prof Des Higham (small-world graphs, applications, links to numerical analysis)

UNIVERSITY OF SUSSEX
Department of Mathematics
University of Sussex, Brighton, East Sussex BN1 9QH. 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
Awss Jabbar (finite geometry, Prof. Hirschfeld)

Lecture courses
Coding Theory (36 lectures, 3rd/4th year, Prof Hirschfeld)
Cryptography (36 lectures, 3rd/4th year, Dr K. Blyuss)
Current periodicals: None

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)

TEESSIDE UNIVERSITY.
School of Science, Engineering & Design Teesside University, Middlesbrough
TS1 3BX, United Kingdom

Dr. Anna Huber (combinatorics)
Dr. Sven-Ake Wegner (analysis on graphs).

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 I. Bárány (Visiting professor: convex geometry, geometry of numbers, theory of integer
programming)
Prof. A. Granville (number theory, combinatorics)
Dr. J. A. Haight (Combinatorics)
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.ucl.ac.uk/economics/
Prof K. Binmore (Emeritus: game theory)

Department of Computer Science University College London Gower Street 66-72, WC1E
6EA London, UK
http://www.cs.ucl.ac.uk/home/
Prof. S. Severini (physics of information, combinatorial links)

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 UK.
Vodafone House, 1 The Connection, Newbury RG14 2FN. Tel: 01635 33251 Fax: 01635 31127
http://www.vodafone.com
Prof. S. Babbage*
Dr N. Bone

The group is interested in cryptography, randomness, statistics, auctions and game theory.

Current periodicals: 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 Graham Cormode (managing and working with large amounts of data, with particular emphasis on privacy and anonymization, and large scale analytics)
Prof Artur Czumaj (analysis and design of algorithms and data structures, randomized algorithms, graph theory, game theory)
Dr Charilaoas Efthymiou (algorithms, discrete mathematics, and statistical physics)
Dr Matthias Englert (analysis and design of algorithms and data structures, approximation algorithms)
Dr. Tom Gur (combinatorics, foundations of computer science)
Dr Marcin Jurdziński (algorithmic game theory, logic in computer science, optimization)
Dr Ranko Lazić (computer science and combinatorics)
Dr. Filip Mazowiecki (automata, FO2 and bidon theory)
Prof Mike Paterson (computational complexity, analysis and design of algorithms)
Dr Marcin Pilipczuk (graph algorithms, fixed parameter tractability and exact computations of NP-hard problems, approximation algorithms)
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 Steve Alpern (game theory, search games)
Prof Jurgen Branke (combinatorial optimisation)
Prof Bo Chen (combinatorial optimisation: game theory)
Dr Vladimir Deineko (combinatorial optimisation, polynomially solvable cases of NP-hard problems)
Dr Xuan Vinh Doan (combinatorial optimisation)
Dr Nalan Gulpinar (combinatorial optimisation)
Dr Arne Strauss (combinatorial optimisation)

Warwick Mathematics Institute Tel. 024 7652 4661 Fax: 024 7652 4182.
http://www.maths.warwick.ac.uk
Dr. Lorenzo Federico (random graph theory).
Dr Agelos Georgakopoulos (random walks, electrical networks, infinite graphs)
Dr. John Haslegrave (random and extremal graphs)
Dr. Joel Larsson (combinatorics, probability)
Prof Roman Kotecký (Probability; statistical physics; theory of phase transitions)
Prof Daniel Král’ (extremal and probabilistic combinatorics)
Dr. Hong Liu (extremal combinatorics, Ramsey theory and random graphs)
Prof Vadim Lozin (algorithmic and structural graph theory)
Dr Jonathan Noel (extremal and probabilistic combinatorics)
Prof Oleg Pikhurko* (Extremal combinatorics)
Maryam Sharifzadeh (Extremal combinatorics)

Department of Statistics  Tel. 024 7657  4812  Fax: 024 7652 4532

Research Students
Bogdan Alecu (graph theory, Prof. Lozin)
Christoforos Panagiotis (percolation, Dr A.Georgakopoulos)
Peter Davies (algorithms, Prof Czumaj)
Marcel de Sena Dall’Angol (algorithms and combinatorics, Dr Gur)
Mahdi Noorizadegan (facility location and vehicle routing, Prof Chen & Dr Gulpinar)
Yani Pehova (extremal combinatorics, Prof Král’)
Elena Zamaraeva (combinatorial properties of threshold and monotone Boolean functions, Prof Lozin)