

# BRIEF BIOGRAPHIES OF CANDIDATES 2012

## **Candidate for election to President (1 vacancy)**

**Graeme Bryce Segal**<sup>†</sup>, Emeritus Fellow of All Souls College, Oxford.

Email: [graeme.segal@all-souls.ox.ac.uk](mailto:graeme.segal@all-souls.ox.ac.uk)

Home page: [www.all-souls.ox.ac.uk/people.php?personid=63](http://www.all-souls.ox.ac.uk/people.php?personid=63)

DPhil: University of Oxford 1966.

Previous appointments: Lecturer, Reader and Professor at Oxford University 1965–90; Lowndean Professor of Geometry and Astronomy, Cambridge University 1990–99; Senior Research Fellow, All Souls College, Oxford 1999–2009.

Research interests: Algebraic topology, the structure of manifolds, index theory and global analysis, representations of loop groups, quantum field theory.

LMS service: President 2011 – Date, Prizes Committee 1999, LMS Council 2009 – Date.

Additional information: Management Committee, Isaac Newton Institute 1994–99; Comité Scientifique, IHES, Paris 1991–97; Fachbeirat, Max Planck Institut, Bonn 1992–98; FRS 1982; Council, Royal Society 1996–98, and various other Royal Society committees; Editor, *Topology* 1971–90, 1999–2001, chief editor 1982–90; Editor, *J. Topology* 2001–; Editor, *Rev. Math. Physics* 1989–2000. Polya Prize 1990, Sylvester Medal 2010.

## **Candidates for election to Vice-Presidents (2 vacancies)**

**John Greenlees**<sup>†</sup>, Head of School of Mathematics and Statistics, University of Sheffield.

Email: [J.Greenlees@sheffield.ac.uk](mailto:J.Greenlees@sheffield.ac.uk)

Home page: <http://greenlees.staff.shef.ac.uk/>

PhD: University of Cambridge 1986.

Previous appointments: Lecturer, National University of Singapore 1986–89; Visiting Assistant Professor, University of Chicago 1989–90; Nuffield Foundation Science Research Fellowship 1995–96; Visiting Associate Professor, University of Chicago 1994; INI Programme Organizer, Cambridge 2002.

Research interests: Algebraic topology (stable homotopy theory, equivariant cohomology theories); commutative algebra, representation theory.

LMS service: Editorial Board 1994–2004, Publications Committee 2004–; BMC Scientific Committee 1999–2004; Prizes Committee 2009–10; Vice-President 2009 - .

Additional information: Junior Berwick Prize 1995; EPSRC Mathematics Strategic Advisory Team 2004–06; Member, RAE 2008 Pure Maths Subpanel. Editorial Boards: *Algebraic and Geometric Topology* 2000–; *Homology, Homotopy and Applications* 2007–; *Topology and its Applications* 1998–. Member of REF2014 Mathematical Sciences Subpanel.

Personal statement: The factual information should make plain the value I place on mathematical research and the traditional ways the LMS supports it; with that understood as a top priority, I can go on. The environment has changed substantially, and the value of mathematics is not universally understood. If mathematics is to flourish, it is important for us to explain what we do at all levels and in language suitable for a variety of different audiences. Since I have joined Council we have introduced or supported a variety of further initiatives to improve communication, internally and with the rest of the world. I think this has helped both with EPSRC and with policy makers. I hope to play a continuing part in a measured but bold and outgoing LMS supporting mathematical research and explaining its importance, working with other organisations to give weight to the case whenever possible.

**Ken Brown**<sup>†</sup>, Professor of Mathematics, University of Glasgow

Email: [k.brown@maths.gla.ac.uk](mailto:k.brown@maths.gla.ac.uk)

Home page: <http://www.maths.gla.ac.uk/~kab/>

PhD: University of Warwick 1976.

Previous appointments: SERC postdoctoral fellow, Warwick 1976–78; Lecturer, University of Glasgow 1978, Professor since 1990; visiting positions at University of Washington 1983–84, University of Texas (Austin) 1986–87.

Research interests: Algebra.

LMS service: Council 1992–2001; Chair, Personnel & Office Management Committee 1999–2001; Vice-President 1997–99; Editorial Adviser 2002–06; Vice-President 2009 -

Additional information: Member of RAE Pure Maths Subpanel 1996, 2001, Vice-Chair 2001, Chair of Pure Maths Subpanel 2008; Member, REF Expert Advisory Group 2008–09; Member, EPSRC College since 1995; Member, National Advisory Board of the Isaac Newton Institute

<sup>†</sup> Candidate nominated by Nominating Committee

(INI) 1998–2002; Member, Scientific Committee of the International Centre for Mathematical Sciences (ICMS) (Edinburgh) 2006– .

Personal statement: If elected I will continue to work to strengthen the LMS and to improve both the quality and the volume of its interactions with the mathematical community and with the wider society. I believe this to be especially important in the present economic and political climate, when support for many of the activities of mathematicians is under threat.

### **Candidate for election to Treasurer (1 vacancy)**

**Robert Turner Curtis**<sup>†</sup>, Professor of Combinatorial Algebra, University of Birmingham.

Email: [r.t.curtis@bham.ac.uk](mailto:r.t.curtis@bham.ac.uk)

Home page: [www.mat.bham.ac.uk/staff/curtisrt.shtml](http://www.mat.bham.ac.uk/staff/curtisrt.shtml)

PhD: University of Cambridge 1972

Previous appointments: SRC Research Fellow, Cambridge, 1972–76; Visiting Professor, Bowdoin College, 1977–80; Lecturer, Senior Lecturer, Reader and Professor, University of Birmingham, 1980–2010.

Research interests: Presentations and representations of finite groups; sporadic simple groups; symmetric generation of groups; the geometric and combinatorial structures on which groups act: graphs, codes, lattices, block designs.

LMS service: Council member at large 2001–07; Prizes Committee 2004–5; Programmes Committee 2001–4; Librarian 2003–07; Regional co-ordinator (5 years); Treasurer 2011 - Date.

Additional information: Head of School of Mathematics 1997-2002; Council of the University of Birmingham (5 years); Chairman of 55<sup>th</sup> BMC 2003; Scientific Committee of BMC 2002 – 2004.

### **Candidates for election to General Secretary (1 vacancy)**

**Stephen Huggett**<sup>\*</sup>, Professor, University of Plymouth.

Email: [s.huggett@plymouth.ac.uk](mailto:s.huggett@plymouth.ac.uk)

Home page: <http://stephenhuggett.com/index.html>

DPhil: University of Oxford 1981.

Previous appointments: None.

Research interests: Twistor theory; Graph theory.

LMS service: Chair, 2015 Celebration Committee 2011- ; Chair, Web Working Group 2010- ; Member of Council 2001-2011 (Programme Secretary 2001-2011); Chair, International Affairs Committee 2004-2011; Member of Education Committee 1992-2001.

Additional information: None.

Personal statement: Recent moves to involve members more in the discussions and policy making of the Society are excellent and should be developed further. In general I think the Society has been bad at using its greatest resource: its membership. I was strongly opposed to the merger, but one good outcome of that struggle was greater transparency in the work of the Society. In my previous service for the Society I met very many members and gained a broad understanding of the structure of the Council, which would be valuable if I became General Secretary. We all anticipate critical issues arising, and being discussed by the membership, around Open Access. In the event of these requiring any retrenchment within the Society, I would wish above all to protect our grant schemes as our key charitable objectives. At last the Society's web site is changing for the better, and members will see more and more improvements in the next few months. Really, mathematicians should be pioneers in using this new technology, but at least we are now catching up. Looking forward, we have a superb opportunity of celebrating both our distinguished history and our continuing independence on the Society's 150th birthday, in 2015.

**Malcolm Angus Hugh MacCallum**<sup>†</sup>, Emeritus Professor of Applied Mathematics, Queen Mary, University of London

Email: [m.a.h.maccallum@qmul.ac.uk](mailto:m.a.h.maccallum@qmul.ac.uk)

Home page: [www.maths.qmul.ac.uk/~mm](http://www.maths.qmul.ac.uk/~mm)

PhD: Cambridge University, 1971

Previous appointments: Director, Heilbronn Institute for Mathematical Research, Bristol (2009-12). Vice-Principal for Science and Engineering, Queen Mary, University of London (2002-5): Lecturer, Reader, Professor, Dean, and Head of Department of Computer Science there for various periods (1976-2009). Visiting positions at Friedrich Schiller University, Jena; Queens' College, City University of New York; Institut Poincare, Paris; Monash;

<sup>†</sup> *Candidate nominated by Nominating Committee*

<sup>\*</sup> *Candidate nominated by members*

Catania; University of California, Berkeley. Fellow and Tutor, King's College Cambridge (1970-76)

Research interests: Gravity theory and cosmology, computer algebra, ordinary differential equations

LMS service: Research Policy Committee 2010-; Prizes Committee, 2004-6; Nominating Committee, 2000, 2002, 2003, and 2006-8; Council 1997-2003; Women in Mathematics Committee 1999-2004; Chair, Computer Systems Committee 2000-3; Finance Committee 1998-2002; Convenor, Applied Mathematics Working Group 1998-2001; Buildings Committee 1997-8

Additional information: President, International Society on General Relativity and Gravitation (2010-2013); earlier Secretary (1995-2010). Member, RAE2008 Applied Mathematics subpanel; also 1989 RAE Applied Mathematics panel, and REF Expert Advisory Group (2009). Panellist, ICM Hyderabad, 2010; member, IMU/ICIAM committee on journal ranking and pricing, 2010-11. Founding honorary editor "Classical and Quantum Gravity" (1984-88); Applications editor "Journal of Symbolic Computation" (1987-2001); associate editor "General Relativity and Gravitation". Three times a member of Athena SWAN Recognition Panels

Personal statement: UK Mathematics faces a very uncertain world, with the combined effects of the changed undergraduate student funding, EPSRC's current policies, the REF and its possible consequences, and the general economic and political situation. The General Secretary's role of ensuring the Society's good governance and smooth running, and helping manage its relations with other bodies in the UK and abroad, will thus be all the more important in enabling the LMS to be a united and effective voice within academia and to funding bodies and government. I look forward, if elected, to contributing by undertaking that task.

## **Candidate for election to Programme Secretary (1 vacancy)**

**Robert Arnott Wilson**<sup>†</sup>, Professor of Pure Mathematics, Queen Mary, University of London.  
Email: R.A.Wilson@qmul.ac.uk

Home page: <http://www.maths.qmul.ac.uk/~raw/>

PhD: University of Cambridge 1983.

Previous appointments: Research Fellow, Jesus College, Cambridge 1983-86; College Lecturer and Official Fellow, Girton College, Cambridge 1986-88; Lecturer/Senior Lecturer/Reader/Professor, University of Birmingham, 1987-2004.

Research interests: Finite group theory (especially simple groups), representation theory, related combinatorics, algebra, algorithms, and computation.

LMS service: Editorial adviser 2005-08. Council Member-at-large 2009-11, Programme Committee and Website Development Group 2010-, Council Diarist 2010-11, Programme Secretary 2011-, Council Webmaster 2011-.

Additional information: Former Treasurer and Trustee of an amateur orchestra, dealing also with charity registration.

Personal statement: In the current climate of cuts to everything, the LMS small grants schemes are a life-line to many mathematicians not only in Britain, but around the world. Maintaining and enhancing these schemes is something I see as a high priority for the LMS. As Programme Secretary I would be directly responsible for making this happen. This year I have secured a substantial increase in the grants budget, supporting increases in individual grant limits to make them more useful to recipients. As Council Webmaster I aim to open up the website to members, for example by hosting blogs, and inviting members to provide interesting content for the website.

## **Candidate for election to Publications Secretary (1 vacancy)**

**John David Stuart Jones**<sup>†</sup>, Professor of Mathematics, University of Warwick.

Email: J.D.S.Jones@warwick.ac.uk

Home page: [www2.warwick.ac.uk/fac/sci/math/people/staff/john\\_jones](http://www2.warwick.ac.uk/fac/sci/math/people/staff/john_jones)

PhD: University of Oxford 1976.

Previous appointments: Research Fellow in Mathematics, Magdalen College Oxford 1976-79; Visiting Assistant Professor, Stanford University, California 1979-80; Lecturer in Mathematics, University of Warwick 1980-88, Reader 1988-94, Professor 1994- .

Research interests: Geometry and topology including: geometric topology, homotopy theory, gauge theory, K-theory and cyclic homology, string topology, operads.

<sup>†</sup> Candidate nominated by Nominating Committee

LMS service: Editorial Board 1986–89; Editor, *Bulletin* 1990–94; Council 1995–98; Publications Secretary 2009 - ;

Additional information: Chair of the Faculty of Science at the University of Warwick 1998–2002, Pro-Vice-Chancellor at the University of Warwick 2002–07.

## Candidates for election to Education Secretary (1 vacancy)

**Anthony [Tony] David Gardiner**<sup>†</sup>, Reader in Mathematics and Mathematics Education, University of Birmingham (1989–2012).

Email: [Anthony.D.Gardiner@gmail.com](mailto:Anthony.D.Gardiner@gmail.com)

PhD: University of Warwick 1973.

Previous appointments: Assistant lecturer, University of East Africa (Dar-es-Salaam) 1968–69; DAAD Fellow, Universität Bielefeld 1970–72; SERC Fellow, Royal Holloway College 1972–74; Lecturer, University of Birmingham 1974–89.

Research interests: Permutation groups, Algebraic graph theory, History of mathematics, Mathematics education.

LMS service: Council 1992–97; Education Committee 1996–2000 and 2011–; major role in the committee that produced the influential report *Tackling the mathematics problem* 1995; in September 2010 (with LMS support) ran a highly successful "briefing" for MPs, advisers, civil servants, etc.; elected Education Secretary, November 2011.

Additional information: UK IMO Team Leader 1990–95; President, Mathematical Association 1997–98, and current member of MA Council; ACME Outer Circle 2002–2012; Chair of Education Committee, European Mathematical Society 2000–04; Mathematics Subject Committee JMB/NEAB/AQA 1982–2009; set up UK Mathematics Trust 1996 (now involving 650K pupils per year in 20+ events); Paul Erdős Award of the World Federation of National Mathematics Competitions 1995; Invited Lecturer, 10th International Congress on Mathematics Education (Copenhagen) 2004; WFNMC Senior Vice President 2006–08; Joint Mathematical Council (2012– ); Problem Solving Journal for secondary students 2003–2010; 15 books of serious mathematics for schools and teachers. Work with teachers began in East Africa (1968); with schoolchildren in Birmingham (Masterclasses 1976, before the RI); with the undergraduate curriculum (UMTC 1976–80); with secondary curriculum development (SMP 1979–2000); with competitions (locally BUMMPS 1979–87, and nationally targeting 30+% of secondary pupils (1987–96); with Summer Schools for secondary pupils (1993–2000) and for teachers (2006–9). Since 1995 I have worked behind the scenes, pressing Ministers and officials to improve standard provision in schools.

Personal statement: After a lifetime bridging the gulf between research and education through extra-curricular activity, I now recognise the importance of the *core curriculum*: the pay-off to enrichment is limited without a solid staple diet. Since my election as Education Secretary, Education Committee has adopted an independent, hands-on approach to policy issues. (a) We have responded to a welter of consultations in a way that has rallied the wider community; (b) we have launched the De Morgan Journal <http://education.lms.ac.uk/> (c) we have produced position papers on mathematics-specific lecturer training and on textbooks; (d) we have begun working with teachers to develop subject-centred CPD, and with the DfE on recruitment to mathematics teaching. I led a group, on request from LMS Council, which produced and published in The De Morgan Journal "A draft school mathematics curriculum for all written from a humane mathematical perspective: Key Stages 1–4" (up to and including GCSE). This has allowed the LMS to respond strongly to the centrally drafted *National Curriculum* both at primary and secondary levels. If elected, I would continue to develop co-operation between (a) the LMS/'university mathematics community' and (b) interested school teachers and other organisations and agencies, especially at the all-important A level / university interface.

**Frances Alice Rogers**<sup>†</sup>, Professor of Mathematics, Department of Mathematics, King's College London.

Email: [alice.rogers@kcl.ac.uk](mailto:alice.rogers@kcl.ac.uk)

Home page: <http://www.kcl.ac.uk/nms/depts/mathematics/people/atoz/rogersa.aspx>

PhD: Imperial College, University of London 1981.

Previous appointments: (Seven years as a school teacher from 1969–1976.) SERC Research Fellow, Imperial College 1981–83; Research Associate, King's College London 1983–84, EPSRC Advanced Research Fellow 1984–89, Royal Society University Research Fellow 1989–94, Lecturer in Mathematics 1994–96, Reader in Applied Mathematics 1996–2007, Head of Department 2001–04.

<sup>†</sup> Candidate nominated by Nominating Committee

Research interests: Geometry and Analysis on Supermanifolds, with applications in Physics and Geometry.

LMS service: Council 2002 - 2009, Vice President 2005 - 2009, Personnel Committee Chair 2007 -, Mathematics Promotion Unit Steering Group Chair 2006 - 2009, Women in Mathematics Committee 2000-2005, Chair 2002-2005, Education Committee 2005-2011.

Additional information: Member of the Advisory Committee on Mathematics Education (ACME) from 2007 - 2011 (Deputy Chair from 2009).

Personal statement: The LMS has an impressive record of valuable and effective involvement in national mathematics education policy which I hope and expect to continue, particularly as currently educational policy is changing rapidly. I believe that as Education Secretary I could assist this LMS involvement because my career has included teaching every type of maths class from low ability in an inner city comprehensive to advanced postgraduate mathematics, as well as a term as head of a university mathematics department. I thus feel my experience covers most of the bases, including in particular developing the next generation of mathematicians in university mathematics departments and the later stages of school, where the current review of A-level mathematics is particularly important. I also believe that I have been able to develop good relationships with school teachers and others outside HE working in mathematics education so that I should be able to make sure the LMS voice is heard and has due influence. There are many complications and political difficulties with educational policy but my extensive involvement over the years, in particular as Deputy Chair of ACME, has enabled me to gain valuable experience and understanding of the political machines which drive developments.

## Candidates for election to Members-at-Large (7 vacancies)

**Jacek Brodzki**<sup>†</sup>, Professor of Pure Mathematics, University of Southampton

Email: [j.brodzki@soton.ac.uk](mailto:j.brodzki@soton.ac.uk)

Home page: [http://www.personal.soton.ac.uk/jb32/Jacek\\_Brodzki/Home.html](http://www.personal.soton.ac.uk/jb32/Jacek_Brodzki/Home.html)

DPhil: University of Oxford, 1990.

Previous appointments: University of Southampton (Lecturer 2001-2004, Senior Lecturer 2004-2008, Professor from 2008) University of Exeter (Lecturer 1995-2001) University of Durham (Temporary Lecturer 1993-1995) IHES, Bures-sur-Yvette, (1992-1993) University of Texas at Austin (Instructor, 1990-1992)

Research interests: Noncommutative geometry, geometry and analysis of discrete groups and metric spaces, applications.

LMS service: Editorial Advisor for LMS publications on Functional Analysis, 1999-2004, Editor, Bulletin of the LMS 2004-2009, Member of the LMS Publications Nominating Group since 2010.

Additional information: I was a co-organiser of about 50 K-theory Days between 1996 and 2010 supported by the LMS Scheme 3, I have co-organised workshops at Southampton and Manchester, and a Durham Symposium. I am a regular reviewer and Vice Chair for Marie Curie grant applications under Framework 7.

Personal statement: A strong professional organisation uniting mathematicians is a crucial representative of the community in contacts with the Government and its representatives, funding agencies and research councils, as well as the general public. If elected, it would be my hope to assist the Society in its efforts to ensure the continued development of British mathematics.

**Francis Willoughby Clarke**<sup>†</sup>, Honorary Lecturer, Swansea University; Consultant Researcher, Heilbronn Institute for Mathematical Research.

Email: [francis.w.clarke@gmail.com](mailto:francis.w.clarke@gmail.com)

Home page: <http://maths.swan.ac.uk/staff/fwc>

PhD: University of Warwick 1971.

Previous appointments: 1971--2100 Lecturer/Senior Lecturer/Reader, Swansea University; 2007-1010 seconded to Heilbronn Institute for Mathematical Research.

Research interests: Algebraic Topology, Number Theory, Computer Algebra.

LMS service: Euromath committee 1980s; B. M. C. Scientific Committee 2004--2007;

Organiser of LMS/EPSRC Short Course on Algebraic Topology, 2005.

Additional information: Secretary of British Mathematical Colloquium 2007; Member of EPSRC's Mathematics Strategic Advisory Team 2007-2012 and of Transformative Research Advisory Group 2008-2010; Developer for the open-source mathematics software system

<sup>†</sup> Candidate nominated by Nominating Committee

Sage 2009- ; External member of the Academic Steering and Management Group of the Scottish Mathematical Sciences Training Centre.

Personal statement: I have broad mathematical interests. Even the most apparently pure mathematics can have unexpected relevance far beyond its origins. The timescale in which mathematics operates, far longer than for many other sciences, is a vital distinguishing feature which is not always understood by funding bodies. This also means that new proposed models of academic publishing risk being a poor fit for our subject. In the present economically stringent times the continuing task of explaining to government and the public the importance of mathematics will remain a central part of the LMS's mission. Equally significant will be developing the excellent support that the Society brings to the profession and its members at all stages of their careers. If elected, I hope to be able to contribute to these endeavors.

**David Mark Evans**<sup>†</sup>, Professor of Mathematics, University of East Anglia, Norwich.

Email: [d.evans@uea.ac.uk](mailto:d.evans@uea.ac.uk)

Home page: <http://www.uea.ac.uk/mth/mthpeople/mthfaculty/de>

D. Phil: , University of Oxford, 1985.

Previous appointments: 1985-86: Royal Society Overseas Research Fellow, University of Tübingen, Germany; 1986-88: SERC Postdoctoral Research Fellow, Queen Mary College, London; 1988-2007: Lecturer/ Reader, UEA, Norwich.

Research interests: Model theory and its interactions with algebra and combinatorics; infinite permutation groups.

LMS service: From September 2012: Co-editor, Bulletin of the London Mathematical Society.

Additional information: Member of EPSRC Mathematics College, 2003-2009; Co-ordinator of the FP6 Marie Curie Research Training Network 'MODNET: Model Theory and Applications', 2005-2008; Head of School of Mathematics, UEA, 2007-2010.

Personal statement: The LMS has a central role in UK Mathematics. It produces research publications of high international standing and provides direct support for research through a range of imaginative and un-bureaucratic grant schemes. It engages with policy-makers and the public to convey the importance and power of Mathematics and represents the interests and views of Mathematicians through well-argued policy statements. If elected to Council, I would take an active part in supporting these activities. My experience includes being head of a medium-sized Mathematics department and co-ordinator of a European research training network with 14 partner organizations. I believe that it is vital that the UK research base in Mathematics should be broad and not narrowly focussed in a few centres or areas. Moreover, there is a need to ensure that any reform to A-levels does not put at risk the recent increase in numbers of students studying Mathematics.

**Catherine Hobbs**<sup>†</sup>, Head of Department of Engineering Design and Mathematics, University of the West of England, Bristol.

Email address: [catherine.hobbs@uwe.ac.uk](mailto:catherine.hobbs@uwe.ac.uk)

Home page: <http://fet.uwe.ac.uk/staff/staffDetails.asp?Catherine.Hobbs>

PhD: University of Liverpool, 1993.

Previous appointments: 1992-94 Teaching Fellow, University of Nottingham; 1994-2010 Lecturer/Senior Lecturer/Head of Department/Associate Dean, Oxford Brookes University. 2001 Visiting Research Fellow University of Auckland; 2005-6 Visiting Fellow, Heilbronn Institute for Mathematical Research, University of Bristol.

Research interests: Singularity Theory and its applications, particularly to physical sciences.

LMS service: 1997-2000 Member at Large, LMS Council; 1998-2001 Chair LMS Women in Mathematics Committee; 2003-2007 Member, LMS Women in Mathematics Committee; 2003-2005 and 2008-2010 Member of LMS Nominating Committee; 2008-present LMS representative on BMC Scientific Committee.

Additional information: Member of HoDoMS Committee 2005-present, Member of EMS Women in Mathematics Committee 2004-2010, Member of Standing Committee of European Women in Mathematics, 2001-2007. Fellow of the IMA.

Personal statement: I have had a long association with the LMS and a firm belief in the importance of the Society to UK mathematics, as a lobbying organisation as well as a publisher and supporter of research mathematics across the broad range of mathematical activity in the UK. It has been sad to see recent divisions in the Society and I hope that the Society is now ready to move forward to serve the needs of mathematics and its members. As can be seen from my biographical details, I have a particular interest in promoting mathematics as a subject open to women and men. I think the LMS has moved a long way

<sup>†</sup> Candidate nominated by Nominating Committee

towards recognising that mathematical talent can be found everywhere regardless of gender, but am keen to be part of ensuring that momentum is kept up. I can also represent post-92 universities, a number of whom have strong undergraduate mathematics programmes, and can bring the experience of having been a head of department to Council.

**Andrey Lazarev\***, Professor of Pure Mathematics. University of Leicester; from October 2012: Professor of Algebra, University of Lancaster.

Email: al179@le.ac.uk; a.lazarev@lancaster.ac.uk.

Home page: <http://www2.le.ac.uk/departments/mathematics/extranet/staff-material/staff-profiles/al179/>

PhD: University of Pennsylvania, Philadelphia 1997.

Previous appointments: 1997-2000 Whyburn instructor, University of Virginia; 2000 -2007 Lecturer/Senior Lecturer, University of Bristol.

Research interests: Algebraic topology, homotopical and homological algebra, deformation theory and mathematical physics.

LMS service: Member of the LMS since 2000; organised several LMS-sponsored workshops on algebra, topology and their interactions with mathematical physics, refereed many papers submitted to LMS journals.

Personal statement: The fundamental science and higher education in the UK are now going through a period of tremendous changes, ranging from the introduction of tuition fees to the implementation of the open access publication policies. Some of these changes can have a potentially deleterious effect on the mathematics research and working mathematicians in the country; particularly those in the early stages of their careers. I wish to contribute to the work of Council and the LMS because I believe that, in these circumstances, the LMS should do whatever it can to ensure that the interests of researchers are protected and the opinion of the community of mathematicians is properly taken into account when making policy decisions. It is imperative that the LMS maintains its charitable status, promotes curiosity-driven research and does not get sidetracked by short-term considerations, such as economic impact. We also have to remember that the majority of LMS members are authors of papers and books; the publication policy of the LMS should focus on protecting the interests of authors. I intend to put a more detailed statement at the LMS Members blog, <http://discussions.lms.ac.uk/members/>, which, I hope, will become a forum for all electoral debates.

**James Montaldi\***, Reader in Mathematics, University of Manchester

Email: j.montaldi@manchester.ac.uk

Home page: <http://www.maths.manchester.ac.uk/~jm/>

PhD: University of Liverpool, 1983

Previous appointments: Postdocs at Northeastern (Boston), Warwick and Utrecht 1991-92: Professeur Associe, University of Lille 1992-2001: Professeur, University of Nice-Sophia Antipolis 2001-: Lecturer/Reader, UMIST/University of Manchester

Research interests: Dynamical systems, bifurcations, symmetry, geometric mechanics.

LMS service: None

Additional information: I have been a (co-)organiser of several international conferences, satellite meetings and summer/winter-schools. I am currently Director of Undergraduate Examinations in the School of Mathematics at Manchester and have served on the research, teaching and admissions committees.

Personal statement: Some members have expressed concern at an apparent lack of communication between the LMS and the membership. As a long-standing member with no previous involvement with the organisation of the LMS, I would like to help make the organisation more transparent. There is one particular crossroads to be navigated. In light of recent statements by the Government, HEFCE and RCUK, it seems likely we will have to publish our research in open access journals. This will challenge the LMS's principal income stream, and I would like to ensure a wide debate with Council and the LMS membership on the future of the LMS publications.

**Christopher J. Mulvey\***, Emeritus Reader in Mathematics, University of Sussex.

Email: c.j.mulvey@cantab.net

Home page: <http://www.maths.sussex.ac.uk/Staff/CJM/>

PhD: University of Sussex, 1970

Previous appointments: Research Assistant, Société des Pétroles Shell-Berre, Paris, 1964, Visiting Assistant Professor, McGill University, Montreal, 1972-73, Visiting Associate

<sup>†</sup> *Candidate nominated by Nominating Committee*

*\* Candidate nominated by members*

Professor, Columbia University, New York, 1975-76, Visiting Professor, Columbia University, New York, 1980-81, Visiting Professor, Université Catholique de Louvain, Louvain-la-Neuve, 1983-86, Visiting Scholar, University of Cambridge, 2003-05.

Research interests: Categorical aspects of commutative and non-commutative algebra and functional analysis. Theory of locales and quantales with applications to constructive algebra, analysis and the foundations of quantum theory.

LMS service: Education Committee 1981-83, Council and General Secretary 1983-89, Finance Committee 1983-89, LMS Publishing Limited, Executive Committee 1987-89, Director 1987-92, Council 1983-90. Council 2012.

Additional information: Editorial Board Journal of Pure and Applied Algebra, 1976-97, British Mathematical Colloquium Committee, 1982-86, Database Committee, European Mathematical Council, 1985-88, Secretary, Committee of Heads of University Departments of Mathematics, 1986-88, Executive Secretary, European Mathematical Trust, 1987-91, Council, European Mathematical Society, 1990-97. Experience as trustee of trusts, as company secretary and trustee of charities, current personal contacts within media.

Personal Statement: Rejoining Council this year has reassured me that the Society is served by committed officers and administrators. However, this comes at the price of a complex delegated structure and extensive administrative costs, at a time when our activities are increasingly crucial to the mathematical community and our income base, from both publications and investment is more than ever stretched. The complexity of the delegated structure leaves Council often having to make decisions without adequate information or time available to reflect on the issues involved, placing the administration of the Society increasingly in the hands of officers and staff, a position maybe falling short of the responsibilities that Council itself should exercise. With the moves to impose open access publication now imminent, the costs of delivering the charitable activities of the Society need to be examined in the light of the threats to publications income. Council will have to consider fairly radical ways in which to preserve the range of activities on which our community depends. I hope very much to be able to bring my own experience to bear in taking part in this, particularly in examining the structures that influence the decision-making within which the Society operates.

**Sofia Charlotta Olhede**<sup>†</sup>, Professor of Statistics and EPSRC Mathematical Sciences Leadership Fellow, University College London.

**Email**: s.olhede@ucl.ac.uk

Home page: <http://www.ucl.ac.uk/statistics/people/sofiaolhede>

PhD: Imperial College London 2003 (Mathematics).

Previous appointments: 2001–02 Beit Postgraduate Research Fellow, Mathematics Department, Imperial College London; 2002–07 Lecturer/Senior Lecturer, Mathematics Department, Imperial College London.

Research interests: Mathematical and statistical characterisation of nonstationary stochastic processes; multivariate and nonstationary time series analysis and its intersection with applied harmonic analysis; application problems including earth sciences, ecology, neuroscience, and oceanography.

Additional information: Research Section Committee, Royal Statistical Society (2005–09), responsible for selection of methodological statistics papers to be read before the Society and a past Editorial Board member. Service since 2008 as Statistics–Mathematics liaison for the International Centre for Mathematical Sciences in Edinburgh (Programme Committee) and the Isaac Newton Institute for the Mathematical Sciences in Cambridge (Royal Statistical Society Correspondent). Director of Research for UCL Statistical Science, 2010–present. Co-founder, UCL Centre for Inverse Problems, 2012–present.

Personal statement: I am standing for election to serve on LMS Council because I want to contribute to its governance and direction, bringing my experience and time to bear on the challenges we as Mathematical Sciences currently face as a community. Especially in this period of dwindling resources, I believe that it is important that all branches of Mathematics work together to maintain the health of the entire discipline. Because I work at the interface of mathematics and methodological statistics, I have benefitted from an equal appreciation and exposure to a wide range of the mathematical sciences, from pure mathematics to very applied practical problems, and I intend to put this experience to use on behalf of the Society. My experience liaising between Mathematics and Statistics has given me helpful exposure to the ways in which different branches of the mathematical sciences interface with one another as well as the broader scientific community, and I would hope to continue efforts like these as an LMS Council Member. Important problems in science inspire

<sup>†</sup> *Candidate nominated by Nominating Committee*

*\* Candidate nominated by members*



mathematical innovation; mathematics is both a foundational discipline while at the same time having a key role to play in the practical world.

**John Robert Parker**<sup>†</sup>, Professor of Mathematics, Durham University

Email: [j.r.parker@durham.ac.uk](mailto:j.r.parker@durham.ac.uk)

Home page: <http://www.maths.dur.ac.uk/~dma0jrp/>

PhD: University of Cambridge, 1990

Previous appointments: University of Maryland: Research Associate, 1/1990 to 12/1991;

University of Warwick: SERC Research Fellow 1/1992 to 9/1994; University of Durham:

Lecturer, 10/1994 to 9/2004; Senior Lecturer, 10/2004 to 9/2005; Reader, 10/2005 to

9/2009; Professor, 10/2009 onward.

Research interests: Hyperbolic geometry, discrete groups

LMS service: I have been a member of Research Meetings Committee since 2011 when I took over as PI for the grant funding the LMS-EPSRC Durham Symposia.

Additional Information: I have co-organised international conferences in France, Switzerland, China as well as in the UK, including an LMS-EPSRC Durham Symposium in 2011. I have participated in many activities supported by the society, such as having visitors supported by Scheme 2 grants and being part of research networks supported by Scheme 3 grants, including have been a co-organiser of the North British Geometric Group Theory network. I am an editor of *Geometriae Dedicata* and will take over as Joint Editor-in-Chief (with Jean-Marc Schlenker) in January 2013.

Personal statement: The LMS plays a vital role in supporting the UK mathematics community, both in terms of the practical support it gives to mathematicians at all stages of their career and also by communicating the importance and beauty of mathematics to the wider public. I believe that mathematics should be studied in its own right and not simply with a view to its eventual impact on society, however beneficial this may be. The LMS is uniquely placed to express this rather unfashionable view and I hope it will continue to do so. I believe that the society should continue to play its own distinctive role, in cooperation with other learned societies and academic bodies. If elected, I will do what I can to support the full range of activities of the LMS.

**Beatrice Pelloni**<sup>\*</sup>, Professor of Mathematics, Department of Mathematics, University of Reading

Email: [b.pelloni@reading.ac.uk](mailto:b.pelloni@reading.ac.uk)

Home page: <http://www.personal.reading.ac.uk/~sms00bp/>

PhD: 1996, Yale University (USA)

Previous appointments: Marie Curie Fellow and PDRA, Imperial College

Research interests: PDEs, boundary value problem, integrable systems and spectral theory

LMS service: Women in Mathematics (WiM) committee (2010-)

Additional information: Olga Tausk-Todd lecturer, ICIAM 2011; Head of Department (2010 - )

Personal statement: I have experience as the Head of the only UK mathematics department with a silver Athena Swan award, and as a member of the WiM committee. I am committed to help make mathematics a professional choice attainable for all those who have the passion, the discipline and the talent. Much remains to be done, but the LMS is in a position to be a significant progressive force. Already, the opportunities the LMS offers and funds for all members of the mathematical community are outstanding, in terms of foresight, of potential to adapt quickly to change, and also for the relative lack of bureaucracy. In this respect the LMS occupies a unique position and can be instrumental in maintaining high scientific standards in future. If elected, I will endeavour to serve the community by supporting the LMS in fulfilling its role as the distinctive and enlightened society that it can be, dedicated to understanding and facilitating the unique needs of mathematicians, and I will work towards maintaining and improving the commitment of the LMS to make forceful arguments and representations for equality of opportunities, and in support of diversity of talent and of vision.

**Colva M. Roney-Dougal**<sup>†</sup>, Senior Lecturer in Pure Mathematics, University of St Andrews.

Email: [colva@mcs.st-and.ac.uk](mailto:colva@mcs.st-and.ac.uk)

Home Page: <http://www-groups.mcs.st-and.ac.uk/~colva>

PhD: Queen Mary, University of London 2001.

Previous appointments: Postdoctoral Fellow, University of Sydney, Australia 2001-03; Postdoctoral Fellow, University of St Andrews 2003-05.

<sup>†</sup> *Candidate nominated by Nominating Committee*

<sup>\*</sup> *Candidate nominated by members*

Research interests: Finite group theory (especially simple groups, matrix groups and permutation groups); computational group theory; geometric group theory.

LMS service: Member-At-Large of Council since 2011. Member of LMS Publications Committee since 2011. Reviews editor for the LMS newsletter, since 2009. Member of LMS International Affairs Committee since 2009.

Additional information: Editorial advisor for the LMS Journal of Computation and Mathematics, since 2008. Edinburgh Mathematical Society General Committee member, 2005-08. One of the LMS Popular Lecturers in 2011; five appearances on "In our time" with Melvyn Bragg on Radio 4, as well as other national radio programmes.

Personal statement: The LMS carries out many tasks, but to me two of them seem especially important: awarding grants, and representing research mathematics to government and the wider world. As a member of Council I have been working to improve communication between Council and LMS members, so that when we lobby on their behalf we can be sure that we are expressing their informed opinions. The LMS must be alert to the changing needs of mathematics researchers during this time of political and economic turbulence, and this involves speaking with as wide a range of the research community as possible. I am keen to reach out to younger mathematicians to encourage them to join, and to find ways to make the LMS more useful to them, so that the LMS will remain vibrant for many years to come. In St Andrews I have been Maths Admissions Officer for many years, so keep a close eye on government policy regarding student intake, fees, and widening access. I also take an especial interest in publications, since this is where the LMS generates much of its income, and open access is causing rapid change.

**Alastair Rucklidge**<sup>†</sup>, Professor of Applied Mathematics, University of Leeds

Email: [A.M.Rucklidge@leeds.ac.uk](mailto:A.M.Rucklidge@leeds.ac.uk)

Home Page: <http://www.maths.leeds.ac.uk/index.php?id=263&uid=1067>

PhD: University of Cambridge, 1992

Previous appointments: 1992--95: SERC Postdoctoral Research Fellow (Cambridge) and Research Fellow (Peterhouse); 1995--98 Royal Astronomical Society Sir Norman Lockyer Research Fellow (Cambridge); 1998--2003 EPSRC Advanced Research Fellow (Cambridge 1998--2000, Leeds 2000--03). Lecturer (2000--04) and Reader (2004--07) at the University of Leeds.

Research interests: Pattern formation, mode interactions, quasipatterns, spatio-temporal chaos, nonlinear and chaotic dynamics, heteroclinic networks, dynamo theory, and magnetoconvection

LMS service: None

Additional information: I've been a member of the LMS since 2001, and a co-organiser of the Scheme Three PANDA (Patterns, Nonlinear Dynamics and Applications) network from the same date. I was on the EPSRC Mathematics Strategic Advisory Team (2006--10), and on the EPSRC-funded MAGIC taught course centre Steering, Programme and Management Committees since their inception. I joined the Council for the UK Mathematics Trust in 2012. I have organised numerous scientific meetings, sessions, conferences and workshops; I was a co-organiser of the Pattern Formation in Large Domains programme at the Isaac Newton Institute for Mathematical Sciences in 2005, and I am on the Organizing Committee of the 2013 SIAM Conference on Applications of Dynamical Systems. I became Head of the Department of Applied Mathematics at the University of Leeds in 2011.

Personal statement: I have great respect for the LMS and the work that it does representing mathematics and mathematicians at the national level, and joining the LMS Council would enable me to contribute towards this, particularly in the area of mathematics education. Having been educated in Canada (Toronto) and the US (MIT) as well as in the UK, I would bring an international perspective. More recently, I have been involved in postgraduate education through my role as postgraduate tutor in Leeds and my involvement in the MAGIC taught course centre (see <http://maths-magic.ac.uk/>). I recently joined the Council for the UK Mathematics Trust, which runs the national mathematics competitions for school children.

**Michael Anthony Singer**<sup>\*</sup>, Professor, School of Mathematics, University of Edinburgh

E-mail: [m.singer@ed.ac.uk](mailto:m.singer@ed.ac.uk)

Home page: <http://www.maths.ed.ac.uk/people/show?person=18>

D Phil: Oxford, 1987.

Previous appointments: Junior Research Fellow, Merton College Oxford, 1986--1989; Darby Fellow of Mathematics, Lincoln College Oxford, 1989--1993; Australian Research Council

<sup>†</sup> *Candidate nominated by Nominating Committee*

visiting research fellow, Adelaide University, 1993--1994; EPSRC Advanced Fellow and lecturer, University of Edinburgh, 1994--1999.

Research interests: Differential geometry, geometric analysis.

LMS Service: Editorial advisor for the LMS, 2002--2006. Nominating Committee 2010.

Additional information: I have been involved with the organisation of several workshops at Edinburgh under the auspices of the International Centre for Mathematical Sciences; I have served on the programme committee and management committees of the ICMS. I was an organizer of the Edinburgh 2010 BMC/BAMC joint meeting. Editorial board, 'Mathematical Surveys and monographs of the AMS', 2010--date. Head of School of Mathematics, University of Edinburgh, 2006--2011.

Chair of correspondents, Isaac Newton Institute, commencing January 2013. Appointed professor of mathematics at UCL, commencing January 2013.

Personal statement: My main reason for standing for the Council of the LMS is my interest in the current debate between the UK mathematics research community and the government and EPSRC over research funding policy. As a member of Council, I believe I could make a significant contribution to the work of the LMS in trying to safeguard research funding for the mathematical sciences. I am also interested in exploring what more the LMS could do to expand its membership and support a larger part of the UK mathematics community, and what further steps might be taken to communicate the importance of mathematics to a wider audience.

**Ulrike Luise Tillmann**<sup>†</sup>, FRS; Professor of Mathematics (tit.), Oxford University, and Fellow of Merton College.

Email: tillmann@maths.ox.ac.uk

Home page: <http://people.maths.ox.ac.uk/~tillmann>

PhD: Stanford University, 1990; Habilitation Bonn Universität, 1996.

Previous appointments: SERC post-doc, Cambridge University, and JRF at Clare Hall, 1990-92; since 1992 in various positions at the University of Oxford and at Merton College; EPSRC Advanced Fellow 1997-2003.

Research interests: Topology and its Applications: Cyclic Homology, K-theory, Axiomatic QFT, Mapping Class Group of Surfaces, Topology of Moduli Spaces of Manifolds.

LMS service: LMS Editor 2004-07; Prizes Committee 2007-08; Publications Committee 2007-2011; member of LMS Council since 2009; chair of Research Meetings Committee 2012-.

Additional information: EPSRC Mathematics College 1998- ; ICM invited speaker 2002; LMS Whitehead Prize 2004; LMS Mary Cartwright Lecturer 2006; Chaire de la Vallée-Poussin, UCL Louvain 2006-07; Bessel Research Award of the Humboldt Stiftung 2008; Member of Programme Committee: ICMS Edinburgh; EMS/EWM Scientific Committee 2008- (as chair 2008-2011); Editorial boards: The Oxford Quarterly Journal of Mathematics 2000- , Algebraic and Geometric Topology 2000- ; Managing Editor and co-founder of the LMS owned Journal of Topology 2007- .

Personal statement: The mathematical community has been under financial pressure, in particular the provision of early career positions. I would like to see the LMS provide as much support as possible to young mathematicians who are trying to build careers as researchers and university teachers. For many of its activities the LMS depends on the income from its publications. There are many pressures from within and without the mathematical community to change the role of journals and their business structure. With my experience as a member of the LMS Publications Committee and as managing editor of the LMS owned Journal of Topology (as well as one of the editors who resigned from the Elsevier owned and the now phased out Topology) I have much to contribute when the LMS Council will have to make difficult decisions in the near future.

**Alexander Veselov**<sup>†</sup>, Professor of Mathematics, University of Loughborough.

Email: A.P.Veselov@lboro.ac.uk

Home page: <http://www-staff.lboro.ac.uk/~maapv/>

PhD: Moscow State University, 1982.

Previous appointments: 1984-1995 Assistant/Associate/Full Professor, Moscow State University; 1981-84 Junior Research Fellow, Landau Institute for Theoretical Physics; 1978-88 Maths Teacher (part-time), Kolmogorov High School at Moscow State University

Research interests: Integrable Systems, Geometry, Mathematical Physics; Representation Theory, Special Functions

LMS service: LMS representative at Loughborough University

<sup>†</sup> Candidate nominated by Nominating Committee

Additional information: From 1997 the organiser of traditional Integrable Days in Loughborough, which from 2003 are part of the LMS scheme 3 collaborative workshop series between Edinburgh, Glasgow, Leeds and Loughborough. Organiser of the LMS Midlands regional meeting in 2007 followed by the workshop on Tropical Geometry.

Member of the Editorial Boards of "Journal of Nonlinear Mathematical Physics" and "Regular and Chaotic Dynamics", Editorial Council of "Functional Analysis and its Applications" and Advisory Board of "Inverse Problems". Served several terms as a member of ESF Pool of Reviewers and EPSRC Peer Review College. A panel member of the Programme Committee of International Congress of Mathematics 2010, Hyderabad.

Personal statement: I strongly believe in the unity of mathematics. Working on the crossroad of algebra, geometry and mathematical physics I can see that many interesting research opportunities lie between traditional areas of mathematics with important novel ideas coming also from theoretical physics. The issue with the boundaries in mathematics will continue to arise (e.g. in funding decisions) and the LMS should ensure that it is resolved without putting any specific areas at disadvantage. Another very important issue I had thought of a lot is how to inspire schoolchildren to do mathematics. One of the ideas, which I had realized at Loughborough and repeated successfully at some other places across the UK, is a series of Maths Battles:

<http://www.lboro.ac.uk/departments/ma/masterclasses/index.html>

This experience and my ten years of teaching in the Kolmogorov school could be useful for the LMS, especially in discussion of education policies at the A Level/university interface and nurturing future generations of mathematicians in the UK.

**Jonathan Woolf<sup>†</sup>**, Senior Lecturer, Dept. of Mathematical Sciences, University of Liverpool.

Email: jonwoolf@liv.ac.uk

Home page: <http://www.liv.ac.uk/mathematical-sciences/staff/jonathan-woolf/>

PhD: University of Oxford, 1999

Previous appointments: College Lecturer, Christ's College, Cambridge

Research interests: The topology of stratified spaces, in particular homotopy theory of stratified spaces, Witt groups of perverse sheaves and spaces of Bridgeland stability conditions.

LMS service: Member of Research Meetings Committee (2010 - present)

Personal statement: The LMS plays several important roles in the mathematical community in this country; publisher, funder of conferences and workshops, and representative body to the government and to the country at large. The latter two seem to me to be increasingly important at a time when funding bodies and government have a vision of mathematics which is focussed on immediate applicability. The LMS's small-scale funding of visits and workshops complements the shift towards fewer, larger grants by other funders, and is often just what is needed to maintain lively mathematical activity. The LMS's role as a voice for mathematics as a coherent discipline, with an inherent worth independent of its economic impact, is also crucial. I would aim to promote greater awareness of funding possibilities, so that the LMS grants can be used as effectively as possible, and also to support the LMS in its role as advocate for the mathematical community.

## Candidates for election to Nominating Committee (3 vacancies)

**Keith Martin Ball<sup>†</sup>**, Professor, University of Warwick.

Email: kmb120205@googlemail.com

Home page: [www2.warwick.ac.uk/fac/sci/math/people/staff/keith\\_ball/](http://www2.warwick.ac.uk/fac/sci/math/people/staff/keith_ball/)

PhD: Cambridge University, 1987

Previous appointments: 1986-1990 Research Fellow, Trinity College, Cambridge. 1990-2007 Lecturer, Reader and Professor University College London. 2004-2005 Visiting Researcher, Microsoft, Seattle. 2007 Gehring Visiting Professor, UM Ann Arbor. 2007-2010 Astor Professor, University College London. 2010- Scientific Director, ICMS, Edinburgh. 2013- Chair of ERCOM.

Research Interests: Functional analysis, high-dimensional and discrete geometry, information theory.

LMS service: Served 4 years on the prizes committee.

Additional Information: Whitehead Prize, LMS 1992. US NYI award 1992. Principal organiser, MSRI programme 1996. Royal Society Leverhulme Senior Research Fellow 2003. Stelson Memorial Lecturer 2005. UK leader and scientific author of proposal for Marie Curie Network,

<sup>†</sup> Candidate nominated by Nominating Committee

2004-2009. Principal organiser, Newton Inst programme 2011. Organiser, MSRI programme 2011. I have organised 3 Oberwolfach meetings and half a dozen other workshops.

Personal statement: As Scientific Director of the International Centre for Mathematical Sciences (ICMS) and chair-elect of ERCOM (the umbrella organisation for European Research Centres in Mathematics) I get a broad overview of what is happening in the mathematical sciences: exactly the right qualification for a member of the nominating committee. In the current funding climate it is particularly important that the LMS show clear leadership and good judgement in representing its members to government and other organisations: working at ICMS provides me with valuable experience in doing so. I am also passionate about communicating mathematics to the general public: among other things I am the author of a popular mathematics book *Strange Curves, Counting Rabbits...* which has been translated into Japanese, Chinese and Czech.

**Gavin Brown**<sup>†</sup>, Reader in Pure Mathematics Loughborough University

Email: [G.D.Brown@lboro.ac.uk](mailto:G.D.Brown@lboro.ac.uk)

Home page: <http://www-staff.lboro.ac.uk/~magdb/>

PhD: Warwick, 1995

Previous appointments: 1995-7 and 99-2000 JRF, Jesus College, Oxford; 1998-9 and 2000-1 Research Associate, University of Sydney; 2003-5 Research Fellow, University of Warwick; 2005-9 Lecturer/Senior Lecturer, University of Kent

Research interests: Algebraic geometry, especially birational geometry and computational algebra that supports it.

LMS service: I am on the BMC Scientific Committee 2012 as conference representative.

Additional Information: Being part of the Nominating Committee is about knowing a fair section of the UK maths population, perhaps mainly through scientific connections like talks and conferences, and being available and willing to meet more. I am limited, of course, but I have given talks (often but not always to pure mathematicians) right around the country, across a pentagram from Aberdeen to Kent, Liverpool, UAE and Cardiff -- in all, about half of the departments submitted to the last RAE, and I'd be very happy to come to talk at the others.

**(Arthur) Russell Davies**<sup>†</sup>, Professor of Mathematics and Head of the School of Mathematics, Cardiff University.

Email: [DaviesR@cardiff.ac.uk](mailto:DaviesR@cardiff.ac.uk)

Home page: <http://www.cardiff.ac.uk/maths/contactsandpeople/profiles/daviesr.html>

DPhil: Oxford University 1974 (Balliol College).

Previous appointments: 1973-75 Atlas Research Fellow, Pembroke College Oxford and SERC Rutherford Laboratory; 1976-2006 Lecturer/Reader/Chair, Aberystwyth; 2000-2003 Head, Department of Mathematics, Aberystwyth.

Research interests: Inverse problems; mechanics of time-dependent materials; non-Newtonian fluid mechanics; mathematical problems in imaging science.

Additional information: Chair of Management Board, EPSRC- LANCS Initiative (2012 -); Chair of European Study Group with Industry, Cardiff 2011; Member of Scientific Committee, KTN for Industrial Mathematics (2007 -); Past President SIAM UKIE (2007-2009); Executive and Steering Committee, Wales Institute of Mathematical and Computational Sciences (2006-); Annual Award: British Society of Rheology 2005; Member of Council: British Society of Rheology (1994-2000). Member of Editorial Boards: Mechanics of Time-Dependent Materials; Numerical Methods for Partial Differential Equations.

Personal statement: Throughout my career I have engaged with industrialists and scientists from other disciplines to exploit the applicability of mathematics and mathematical modelling. I derive great pleasure when problems of an interdisciplinary nature lead to the discovery of new mathematics, or call for deep results in pure mathematics to be applied in a completely novel way.

I enjoy introducing my postdocs and (sometimes early career academic colleagues) to problems in engineering, medicine, and imaging science, which enable them to broaden their horizons and enhance their career prospects. I have held numerous consultancies, many with major industries such as Shell, Unilever, Nestlé and NPL. I also enjoy giving public lectures which illustrate the importance and influence of mathematics in everyday life. I believe strongly that universities should provide research environments in which mathematics can flourish in its own right, while harnessing its power to address the needs of industry, society and the economy.

<sup>†</sup> Candidate nominated by Nominating Committee

**Frank Neumann**<sup>†</sup>, Senior Lecturer in Pure Mathematics, University of Leicester

Email: fn8@le.ac.uk

Home page: <http://www2.le.ac.uk/departments/mathematics/extranet/staff-material/staff-profiles/fn8>

PhD: Georg-August-Universität Göttingen (1996)

Previous appointments: 1996-2000 Research Assistant (C1), Georg-August-Universität Göttingen; 2000-2002 Postdoctoral Research Fellow, (Marie Curie Programme), CRM Barcelona; 2002- Lecturer/Senior Lecturer, University of Leicester

Research Interests: Algebraic Topology, Algebraic Geometry and its interactions. Recently, especially homotopy theory and cohomology of algebraic stacks.

LMS service: Board member and mentor in the MARM (Mentoring African Research in Mathematics) scheme of LMS-IMU-AMMSI, LMS representative for the University of Leicester

Additional Information: Member of the EMS Committee for Support of Eastern European Mathematicians; Correspondent for the Isaac Newton Institute Cambridge; Organiser of LMS Midlands Regional Meeting 2006; Co-organiser of British Topology Meeting BTM 2002 & 2009; Co-organiser of XVI Spanish Topology Meeting 2009; Co-organiser of workshop on 'Number Theory and Algebraic Geometry' at the British Mathematics Colloquium BMC 2011; Scientific Organiser of CRM research programme 'Homotopy Theory and Higher Categories', CRM, Barcelona 2009.

**Shaun Stevens**<sup>†</sup>, Professor of Pure Mathematics, University of East Anglia.

Email: Shaun.Stevens@uea.ac.uk

Home page: [www.uea.ac.uk/~h008](http://www.uea.ac.uk/~h008)

PhD: King's College London 1998.

Previous Appointments: 1999 Postdoc, Orsay, France; 2000 Postdoc, Münster, Germany; 2000-2002 Junior Lecturer, Oxford; 2002-2009 Lecturer/Reader, University of East Anglia.

Research Interests: Number Theory and Representation Theory, particularly the Langlands programme and explicit methods towards and around it; arithmetic dynamics.

LMS service: 2008-13 Editor of the Bulletin of the LMS; Member of the Publications Nominating Group.

Additional information: 2009-14 EPSRC Leadership Fellow; member of EPSRC College since 2010.

**David Andrew Tranah**<sup>†</sup>, Editorial Director, Mathematical Sciences, Cambridge University Press

Email: dt105@cup.cam.ac.uk

Home page: n/a

PhD: n/a

Previous appointments: n/a

Research interests: n/a

LMS service: n/a

Additional information: Joined the LMS in 1981 but even before then I worked closely with the Society in the development of the Lecture Notes Series and the establishment of the Student Texts, and I have also been involved with the Society's journal publishing. I am also a member of the Millennium Mathematics Project Management Committee and have served on the Planning Committee of the NSF's Digital Mathematics Library project.

Personal Statement: I am not an academic mathematician, but a publisher. Many mathematicians worldwide know me through my 34 years at Cambridge University Press. What would I bring to the nominating committee if elected? Key requirements of successful publishing are the ability to build networks and knowledge bases, to be able to spot important trends, and to make sound judgements. I think I have been a successful publisher. I have also tried to be regarded as a part of the community in which I've operated. I hope that mathematicians see my contributions to publishing as a positive force that has brought benefit to UK mathematics, both pure and applied, at all levels. I will be able to bring to the Society a broad knowledge of practising mathematicians that will I believe would be valuable to the Nominating Committee.