

Lectureships in Mathematics: Further Particulars

Post Title	Lecturer
Department/ School	School of Mathematics
Salary Range	£37,012 - £49,689 The successful candidate will be appointed at the appropriate grade depending on experience and qualifications.
Post duration	Permanent position
Informal enquiries to	Dr J. M. Bennett e-mail: J.Bennett@bham.ac.uk Tel.:+44 121 414 6579 or Professor D. J. Needham Email: D.J.Needham@bham.ac.uk Tel.: +44 121 414 6593 or Professor S. P. Decent (Head of School) S.P.Decent@bham.ac.uk Tel.: +44 121 414 7566

FURTHER INFORMATION

1. Research

The School of Mathematics has numerous internationally-renowned research groups across both Pure and Applied Mathematics, encompassing Analysis, Algebra, Applied Analysis, Combinatorics, Continuum Mechanics, Mathematical Biology, Nonlinear Systems, Numerical Analysis, Statistics, and Theoretical and Computational Optimisation. Once the present round of recruitment has been completed the complement of full-time staff will stand at around 49. Full details of the School's research interests may be found at <http://www.birmingham.ac.uk/schools/mathematics>.

The Pure Mathematics Group has major research groups in Algebra, Analysis and Combinatorics. There are three weekly seminar series: in Algebra, Analysis and Combinatorics, given by visiting speakers. More informal internal research seminars also run in these three areas, involving the active and enthusiastic participation of our postgraduate students and postdoctoral fellows. In addition to the array of specialised seminar programmes, there are regular colloquia aimed at periodically drawing together the entire school.

The Analysis Group is internationally-recognised for its research in Harmonic Analysis and related areas, including Geometric Analysis, Geometric Combinatorics, Geometric Measure Theory, Discrete Dynamical Systems and various aspects of linear and nonlinear PDE. Birmingham is the hub of the LMS-funded "Harmonic Analysis and PDE Research Network", which maintains close links with the analysis groups at the Universities of Edinburgh, Warwick and the Universidad Autonoma de Madrid, through tri-annual workshops. In addition to these 1-2 day workshops and a weekly seminar programme, the Analysis Group runs two regular informal research seminars in harmonic analysis and discrete analysis (the latter joint with the Combinatorics Group). The School welcomes candidates in these or related research areas in analysis.

The Applied Mathematics Group has active research in Applied Analysis, Nonlinear Systems, Mathematical Biology, Fluid Mechanics and Numerical Analysis. The Applied Mathematics group is

looking to expand its research in applied analysis, nonlinear systems, nonlinear PDE, inverse problems, dynamical systems, mathematical biology, asymptotic methods and nonlinear waves. The School welcomes candidates in these or related research areas. The Applied Mathematics Group has two weekly seminar series with external speakers.

The successful candidates will be expected to expand or complement the present research areas in Pure Mathematics and/or Applied Mathematics within any of these broad areas of Mathematics.

2. Teaching

The School runs a 3-year single honours BSc programme in Mathematical Sciences, and 4-year single honours MSci programmes in Pure Mathematics, Applied Mathematics, Management Mathematics, Mathematical Statistics or the less specialised Mathematical Sciences. In addition it runs a large number of joint honours programmes with partner Schools from areas including the Arts, Economics, Engineering and the Sciences. At present we have an annual intake of around 200 full time equivalent students. As one of only two departments of mathematics to be awarded 24 out of 24 in the last Teaching Quality Assessment, the School takes great pride in its undergraduate programmes. Indeed, the national Higher Education Academy Subject Centre in Mathematics, Statistics and Operational Research is based in the School under the directorship of a member of staff.

The successful candidate will be expected to contribute to our undergraduate programmes and will carry a similar lecturing and supervising load to that required in other UK research-based departments.

3. The City of Birmingham

Birmingham is Britain's second city and is at the centre of the national rail and motorway networks. Its International Airport has flights to many major national and European airports and some North American airports.

The city is well endowed with theatres, art galleries and concert halls. The Symphony Hall, one of the leading concert halls in Europe, is the home of the internationally renowned City of Birmingham Symphony Orchestra. Birmingham is also home to the Birmingham Royal Ballet.

4. General Guidance for Candidates

Applications should include

1. A completed University standard application form;
2. a full curriculum vitae;
3. a list of publications;
4. a description of research, with a statement of how this will relate to other work carried out in the School;
5. the names and addresses of three referees (with email addresses).

5. Further Information

The School website is at <http://www.mat.bham.ac.uk>. The School welcomes informal enquiries from interested persons who may wish to contact: Dr. Jonathan Bennett (J.Bennett@bham.ac.uk), Professor David Needham (D.J.Needham@bham.ac.uk) or Professor Stephen Decent (Head of School).