

## Short Curriculum Vitae October 15, 2018

Ivan G. Graham

Department of Mathematical Sciences,  
University of Bath, Bath BA2 7AY, U.K.

**Email:** I.G.Graham@bath.ac.uk

**Homepage:** <http://people.bath.ac.uk/masigg>

**Qualifications:** M.A. (Edinburgh, 1975), Ph.D. (New South Wales, 1981).

**Current position:** Professor of Numerical Analysis (Personal Chair) since 2000.

**Publications:** 96 scientific papers published or submitted, two edited books and a 200 page invited survey article in Acta Numerica 2012. A full list of publications and preprints can be viewed at <http://people.bath.ac.uk/masigg/publications/>

**Postgraduate supervision:** 16 successful postgraduate research students since 1987, with five current PhD students. 9 of my students are/were financially supported by UK companies.

**Postdoctoral supervision:** M. Ganesh (92-94), M. Hagger (95-97), L. Stals (97-98), E. Vainikko (99-02), E. Spence (09-11), T. Kim (11-12).

**Major plenary lectures at large conferences:** Dundee Numerical Analysis 1989 and 2005; MAFELAP (London) 2006; ENUMath (Leicester) 2011; WAVES (Tunisia) 2013; Domain Decomposition methods: Greenwich, UK, 1999 and Svalbard, Norway, 2017.

**Fellowships at research programmes:** Isaac Newton Institute 2003 and 2007; RICAM special semester, Linz, Austria, 2011 Hausdorff Institute Trimester programme, Bonn, 2017, RICAM Special Semester, Linz 2018.

**Selected international workshops:** Mathematisches Forschungsinstitut Oberwolfach (16 times); ICMS, Edinburgh (2009, 2010, 2012); Tartu, Estonia, 2008; Leipzig 2008; CTAC Canberra, 2008; Singapore 2009; Crete, 2011; Urumqi (China) 2012, Karlsruhe 2013; Zürich 2014; LMS Durham Symposium 2014; Woudschoten (Netherlands) 2014; Hong Kong 2016; Hausdorff Institute Bonn 2017, Computational Mathematics, Suzhou, China, 2018, UNSW Sydney 2018.

**Visiting positions:** University of Iowa, University of Kiel, University of New South Wales, University of Queensland, Weierstrass Institute Berlin, IIT Delhi, Max-Planck Institute, Leipzig, Caltech (Los Angeles), Isaac Newton Institute, Cambridge, University of Zürich, Chinese University of Hong Kong, University of Hong Kong.

**Service:** Elected President of UK and Republic of Ireland Section of Society for Industrial and Applied Mathematics (2017-19), (Vice-President 2001-03). Member of EPSRC Peer Review College (2000-present). External consultant in connection with RAE/REF: University of Sussex (2007, 2014), Strathclyde University (2012).

**Editorial Boards (current):** SIAM Review; Mathematics of Computation (AMS); IMA Journal of Numerical Analysis; Advances in Computational Mathematics; Journal of Computational Mathematics; Journal of Integral equations and Applications.

**Research Grant income:** Long history of research grants from EPSRC, Royal Society, London Mathematical Society and British Council. Recent grants include:

- £380K from EPSRC “Fast solvers for frequency-domain wave-scattering problems and applications”, 2019-21
- £356K from EPSRC “Boundary Integral Equation methods for high-frequency scattering”, 2009-2012.
- £97K from EPSRC for “LMS Durham Symposium” awarded to Durham University, I was the Chair of the organising committee, 2010.

**Conference organisation:** Boundary Integral Methods, Theory and Applications, Bath 2000; Workshop on Computation of Flow and Transport in Heterogeneous Media, Bath 2006; Numerical Analysis: Multiscale Problems, Adaptivity and Complexity Bath, Bath 2007; LMS Durham Symposium on Numerical Analysis of Multiscale Problems, Durham 2010; Special Semester on Multiscale Simulation & Analysis in Energy and the Environment, RICAM Institute, Austria, Autumn 2011 (2 international workshops).

**External Examinerships:** Heriot-Watt University, Sept 1997 - June 2000, Strathclyde University, Sept 2001 - June 2004, Sussex, Sept 2006 - June 2010 (all undergraduate) and Manchester University/UMIST, 2001-2004 (MSc).

**Departmental Service** Head of Mathematics Group, University of Bath, 2001-2004; Head of Department of Mathematical Sciences, University of Bath, 2012-15.