Short Curriculum Vitae April 5, 2022

IVAN G. GRAHAM
Emeritus Professor of Numerical Analysis
Department of Mathematical Sciences,
University of Bath, Bath BA2 7AY, U.K.
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Homepage: `http://people.bath.ac.uk/masigg`
Qualifications: M.A. (Edinburgh, 1975), Ph.D. (UNSW, Australia, 1981).

Publications: 108 scientific papers published or submitted, plus 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/`

Google Scholar (April 4, 2022):   4880 citations   h-index 40,   i10-index 80
Math Sci Net (April 4, 2022):   1778 citations

Postgraduate supervision: 20 successful postgraduate research students, with 1 current PhD student. 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), S. Gong (2019-21), S. Downing (2022).

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, ANZIAM annual meeting, Australia 2020.

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, ESI Vienna - UQ programme, June 2022.

Selected international workshops: Mathematisches Forschungsinstitut Oberwolfach (17 times); ICMS, Edinburgh (2009, 2010, 2012); Tartu, Estonia, 2008; MPI Leipzig 2008; CTAC Canberra, 2008; NTU Singapore 2009; heraklion (Crete), 2011; Urumqi (China) 2012, Bruchasl, 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; CIRM, Luminy, Marseille, 2019; ANU, Canberra, Australia, 2019, MPI Leipzig, 2021.

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, National Taiwan University, Matrix Institute, Australia, University of Sydney Research Institute.

Service outside University of Bath: 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 UK Research Assessment: University of Sussex (2007, 2014, 2021), Strathclyde University (2012). External Advisor: CEMAT, Institut Superior Technico, Lisbon (since 2010).

Editorial Boards (current): SIAM Journal of Numerical Analysis; SIAM Review; IMA Journal of Numerical Analysis; Journal of Computational Mathematics.

Editorial Boards (previous): Advances in Computational Mathematics (2012 - 2022), Mathematics of Computation (2014-2022), Journal of Integral Equations and Applications.

Research Grant income: My research has been supported by: UK Engineering and Physical Sciences Research Council (EPSRC), Royal Society, London Mathematical Society, British Council and International Centre for Mathematical Sciences (Edinburgh). Most recent project:

- £380K from EPSRC "Fast solvers for frequency-domain wave-scattering problems and applications", 2019-22

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), ESI, Vienna, workshop on uncertainty quantification in transport and in high frequency scattering, June 2020 (postponed to 2022), Solvers for frequency-domain wave problems and applications, University of Strathclyde, June 2022 (co-organisers: V. Dolean, S. Gazzola and E.A. Spence).

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.