

Endre SÜLI, *Professor of Numerical Analysis*
Mathematical Institute, University of Oxford, OX2 6GG, UK

Date of birth: 21st June 1956
Citizenship: Dual – British & Serbian
Native language: Hungarian
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University Education and Qualifications:

B.Sc. (Four-year Mathematics Degree), University of Belgrade, 1978
M.Sc. (Two-year Research M.Sc. in Mathematics), University of Belgrade, 1980
British Council Visiting Student at Reading University and University of Oxford, 1983/84
Ph.D. (Mathematics), University of Belgrade, 1985
M.A. University of Oxford, 1985

Positions:

Professor of Numerical Analysis, University of Oxford, 1999–
Reader in Numerical Analysis, University of Oxford, 1996–99
[New Blood] University Lecturer in Numerical Analysis, University of Oxford, 1985–96
Fellow and Tutor in Mathematics, Worcester College, Oxford, 2005–
Supernumerary Fellow, Linacre College, Oxford, 2005–
Fellow of Linacre College, Oxford, 1985–2005
Co-Director of the EPSRC Centre for Doctoral Training in Partial Differential Equations, Oxford, 2014–
Head of the Numerical Analysis Group, Mathematical Institute, University of Oxford, 2017–2018

Selected Honours and Distinctions:

Invited Speaker, International Congress of Mathematicians, Madrid, 2006
Elected Foreign Member of the Serbian Academy of Sciences and Arts (the national academy of Serbia), 2009
Elected Fellow of the European Academy of Sciences, 2010
Elected SIAM Fellow, 2016
Professor Hospitus Universitatis Carolinae Pragensis (Charles University, Prague), 2012–
Distinguished Visiting Chair Professor, Shanghai Jiao Tong University, 2013
London Mathematical Society & New Zealand Mathematical Society Forder Lecturer, 2015
Chair, Society for the Foundations of Computational Mathematics (FoCM), 2002–2006
President, SIAM United Kingdom and Republic of Ireland Section, 2013–2015
Fellow of the IMA (UK Institute of Mathematics and its Applications), 2007–
IMA Service Award, 2011
Oxford University Teaching Excellence Award, 2009 and 2013
Delegate of Oxford University Press, 2014–
Charlemagne Distinguished Lecture, RWTH Aachen, May, 2011
Aziz Lecture, University of Maryland, 2015
BIMOS Distinguished Lecture, TU Berlin, 2016
John von Neumann Lecture, University of Münster, 2016
Sibe Mardešić Lecture, University of Zagreb, 2018

Memberships of Scientific Advisory Boards:

Isaac Newton Institute for Mathematical Sciences, Cambridge, Scientific Steering Committee, 2010–14
Mathematisches Forschungsinstitut Oberwolfach (MFO), Scientific Committee, 2013–
Scientific Council of the Société de Mathématiques Appliquées et Industrielles (SMAI, France), 2014–
Berlin Mathematical School, Scientific Advisory Board, 2016–2018
Berlin Mathematics Research Center MATH+, 2019–
Archimedes Center for Modeling Analysis and Computation, Scientific Advisory Board, 2009–14
Chair of Advisory Board; Mathematics and Statistics Doctoral Training Centre, Warwick U., 2010–17
Board of Directors of the Society for the Foundations of Computational Mathematics, 2002–14

Selected Scientific/Prize Committee Memberships:

ICM 2006, Madrid, Selection Panel for *Section 18. Applications of Mathematics in the Sciences*
ICM 2014, Seoul, Selection Panel for *Section 15. Numerical Analysis and Scientific Computing*
SIAM Committee on Gene Golub SIAM Summer School, 2009–2016
MFO, Oberwolfach Research in Pairs and Oberwolfach Leibniz Fellowship Committee, 2013–
ICIAM 2015, Lagrange Prize Committee
ICIAM 2019, Programme Committee

Editorial Duties:

co-Editor-in-Chief, IMA Journal of Numerical Analysis, 2005–
Series co-Editor, Oxford University Press Monographs in Numerical Analysis, 1995–
Member of Advisory Board, Springer Undergraduate Mathematics Series (SUMS), 1997–
Series co-Editor, Princeton University Press Applied Mathematics Series, 2002–
Member of Editorial Board, London Mathematical Society Lecture Note Series, 2002–; Editor: 2018–
Series co-Editor, Springer-Verlag Universitext Series, 2008–
Series co-Editor, Handbook of Numerical Analysis, Elsevier, 2015–
Series co-Editor, Springer Monographs in Mathematics, 2016–
Member of Editorial Board, IMA Journal of Numerical Analysis, 1995–
Member of Editorial Board, Matematički Vesnik (Belgrade), 1996–
Member of Editorial Board, Numerical Methods for Partial Differential Equations, 1998–
Member of Editorial Board, SIAM Journal on Numerical Analysis, 1999–2010
Member of Editorial Board, Numerische Mathematik, 2004–
Member of Editorial Board, Computational Methods in Applied Mathematics, 2007–2014
Member of Editorial Board, ESAIM: M2AN, Mathematical Modelling and Numerical Analysis, 2009–2019
Member of Editorial Board, Functional Analysis, Approximation and Computation, 2009–
Member of Advisory Board, Publications de l'Institut Mathématique (Belgrade), 2011–
Member of Editorial Board, J. Foundations of Computational Mathematics, 2012–
Member of Editorial Board, Mathematical Communications, 2013–
Member of Editorial Board, Novi Sad Journal of Mathematics, 2014–
Member of Editorial Board, M3AS: Mathematical Models and Methods in Applied Sciences, 2016–

Selected Research Conference and Workshop Organisation:

Chair of the Organising Committee: Foundations of Computational Mathematics, Oxford, 1999

Mathematical Research Institute Oberwolfach Workshops:

- Discontinuous Galerkin Methods, 21–27 April 2002
- Mathematical Aspects of Computational Fluid Dynamics, 9–15 November 2003
- Self-adaptive Methods for PDEs, 21–27 March 2004
- Adaptive Methods for PDEs, 10–16 June 2007
- New Discretization Methods for the Numerical Approximation of PDEs, 11–17 January 2015

Isaac Newton Institute for Mathematical Sciences, Cambridge:

- Co-director of six-month research programme: Computational Challenges in PDEs, January–June 2003

Membership of Professional Societies:

Society for Industrial and Applied Mathematics (SIAM), 1992–
Society for the Foundations of Computational Mathematics (FoCM), 1999–
Institute of Mathematics and its Applications (IMA), 2009–
Gesellschaft für mathematische Forschung (MFO, Germany), 2013–
London Mathematical Society, 2018–

Doctoral Students at Oxford:

Wei Wu (1985–1987; now Professor, Dalian University, China):

Petrov–Galerkin Methods for Parabolic Convection-Diffusion Equations

Antony F. Ware (1987–1991; now Professor, University of Calgary, Canada):

A Spectral Lagrange–Galerkin Method for Convection-Dominated Diffusion Problems

Adrian T. Hill (1989–1992; now Reader, University of Bath):

Attractors of Nonlinear Convection-Diffusion Equations and their Numerical Approximation

Mark D. Baker (1990–94; now Head of G10 FX Quantitative Strategies Group, Bank of America Merrill Lynch):

Spectral Lagrange–Galerkin Method for Periodic/non-periodic Convection-Diffusion Problems

Jeffrey C. Wood (1991–94; now Quantitative Analyst, Bank of America Merrill Lynch, London):

Mixed Finite Element Approximation of Maxwell's Equations

Gilbert Peffer (1992–97; now project coordinator at the CNME, University of Barcelona):

Adaptive Finite Element Methods for Hyperbolic Problems

Paul Houston (1993–96; now Professor of Applied Mathematics, University of Nottingham):

Adaptive Evolution Galerkin Methods

Catherine Wilkins (1995–99; now Departmental Lecturer, University of Oxford):

Adaptive Finite Element Methods for the Damped Wave Equation

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Nicolas Jackson (1995–99):

Adaptive Finite Element Solution of Option Pricing Problems

Kathryn Gillow–Harriman (1997–2000; now Departmental Lecturer, University of Oxford):

Mathematical Modelling of Molecular Biosensors

Kan Cheng (1997–2000; now Program Development Manager at Darlo Higher Education, Australia):

Finite Element Methods for Conservation Laws with Source Terms

Minh Hoa Pham (1997–2001) [EPSRC CASE Studentship]:

Bicharacteristic Methods for Multi-Dimensional Hyperbolic Systems

Emmanouil Georgoulis (2003; now Professor of Mathematics, University of Leicester):

Discontinuous Galerkin Methods on Shape-Regular and Anisotropic Meshes

Andrea Cangiani (2004; now Associate Professor, University of Leicester):

The Residual-Free Bubble Method for Problems with Multiple Scales

Max Jensen (2005; now Senior Lecturer, University of Sussex):

Discontinuous Galerkin Methods for Friedrichs Systems with Irregular Solutions

Andris Lasis (2006; 2006/07 Lecturer, University of Strathclyde; now at Merrill Lynch, London):

hp-Version Discontinuous Galerkin Finite Element Methods for Nonlinear Parabolic Problems

Christoph Ortner (2007; now Professor, University of Warwick):

Analysis of the Quasicontinuum Method

Ivana Drobnjak (2007; now Lecturer, University College London):

FMRI Simulator: Development and Applications

David Knezevic (2008; Lecturer, Harvard University; now CTO of Akselos Inc., Boston MA, USA):

Analysis and Implementation of Numerical Methods for Simulating Dilute Polymeric Fluids

Siobhan Burke (2010; now at RSCJ & Sacred Heart Catholic High School, Newcastle):

Mathematical & Numerical Analysis of the Ambrosio–Tortorelli Functional with Applications in Brittle Fracture

Aurelio Arranz Carreño (2011; now Lecturer, University of Swansea):

Discontinuous Galerkin Methods for Elasticity and Crack Propagation Problems

Leonardo Figueroa (2011; now Assistant Professor, Universidad de Concepcion, Chile):

Deterministic Simulation of Multi-Beaded Models of Dilute Polymers

Bernhard Langwallner (2011; now Managing Director, CHECK24 Vergleichsportal Energie GmbH, Munich):

Numerical Analysis of Variational Problems in Atomistic Interaction Models

Hao Wang (2013; now Assistant Professor, Sichuan University, China):

Analysis of the Quasicontinuum Method and its Application

Iain Smears (2015; Recipient of *SIAM's 2014 Student Paper Prize & 2015 IMA Leslie Fox Prize*;

now Lecturer, University College London):

Discontinuous Galerkin Finite Element Approximation of Hamilton–Jacobi–Bellman Equations

Graham Baird (2017; now Quantitative Researcher at Aspect Capital, London):

Mixed Discrete-Continuous Fragmentation Equations

Shenghan Ye (2018; now quantitative analyst, London):

Numerical Methods for Simulating Dilute Polymeric Fluids

Ellysa Kawecki (2018; now postdoctoral research fellow at University College London):

Finite Element Methods for Monge–Ampère Type Equations

Seungchan Ko (2018; now researcher at Samsung Corporation, Seoul, Korea):

Analysis and Approximation of Incompressible Chemically Reacting Non-Newtonian Fluids

Miles Caddick (2018; now at Highgate School, London):

Parabolic Systems of Forward-Backward Type Exhibiting (p,q)-Type Growth

Tabea Tscherpel (2018; now postdoctoral research fellow RWTH University Aachen):

Finite Element Approximation for the Unsteady Flow of Implicitly Constituted Incompressible Fluids

Invited/Plenary Lectures at Conferences:

96 invited and plenary lectures at international conferences between 1985 and 2020, including an invited lecture at the International Congress of Mathematicians, Madrid, 2006.

HTML Links to Bibliographic and Bibliometric Databases:

• MathSciNet • Google Scholar • Web of Science • ORCID