

## Short Curriculum Vitae: PROFESSOR J. D. GIBBON

(see separate document for publication list)

1. *Name*: John David Gibbon.
2. *Nationality*: British.
3. *Date of Birth*: 12th January 1949.
4. *Postal address*:  
Prof J. D. Gibbon,  
Department of Mathematics,  
Huxley Building,  
180 Queen's Gate,  
South Kensington, London SW7 2AZ, UK.
5. *Secondary Schooling*: September 1st 1960 - July 1967; Stretford Grammar School (Old Trafford, Manchester). 8 O-levels and 5 A-levels.
6. *University Education*:
  - a) 1967 – 1970; Department of Mathematics, University of Birmingham. BSc Degree in Mathematical Physics.
  - b) 1970 –1973; Department of Mathematics, University of Manchester Institute of Science and Technology (UMIST), Manchester, UK. PhD in Mathematics.
7. Fellow of the Institute of Physics (FIP) and Fellow of the Institute of Mathematics and its Applications (FIMA).

### Positions Held

1. Dean (now called Consul) of the Faculty of Natural Sciences, Imperial College London, 2007–2010.
2. *Currently*: Professor of Applied Mathematics, Imperial College London, 1990 – 2011. Emeritus (SRI) 2012– .
3. Visiting position 2000: Visiting Professor in the Research Institute for Mathematical Sciences (RIMS), University of Kyoto, Japan, July 1st – September 30th 2000.
4. Visiting position 1997: The Sir Siegmund Warburg Weizmann Professor at the Weizmann Institute of Science, Israel, January 1st - September 30th 1997.
5. Reader in Applied Mathematics, Department of Mathematics, Imperial College London, 1985 – 1990.
6. Lecturer in Mathematics at Imperial College London, 1980 – 1985.
7. Lectureship in Mathematical Physics, University College Dublin, 1st 1978 – 1980.
8. Postdoctoral Research Fellow, UMIST Mathematics Department July 1st 1978 – September 30th 1978.
9. Lecturer in Applied Mathematics, Department of Mathematics, University of Newcastle-upon-Tyne, September 1st 1977 – June 30th 1978.
10. Postdoctoral Research Fellow, University of Manchester Institute of Science and Technology (UMIST) Mathematics Department, 1974 –1976.
11. Royal Society European Fellowship held in the Istituto di Fisica Teorica, University of Pavia, Italy, 1973 – 1974.

## Publications

117 papers & 2 books including Applied Analysis of the Navier-Stokes Equations, CUP 1995.  
see [www.imperial.ac.uk/~jdg](http://www.imperial.ac.uk/~jdg)

## Visiting positions

1. Isaac Newton Institute, Cambridge: July 8th – December 18th 1995 as a co-organizer of the programme *From finite to infinite dimensional dynamical systems*.
2. Isaac Newton Institute, Cambridge: January 1st – March 30th 1999 as a participant in the programme *Turbulence*.
3. Isaac Newton Institute, Cambridge: July 16th – Dec 16th 2012 as a participant in the programme *Topological Fluid Dynamics*.
4. The Sir Siegmund Warburg Weizmann Professor at the Weizmann Institute of Science, Israel, January 1st – September 30th 1997.
5. Visiting Professor in the Research Institute for Mathematical Sciences (RIMS), University of Kyoto, Japan, July 1st – September 30th 2000.
6. Institute for Pure and Applied Math (IPAM) UCLA: Sept–Dec 2014, as a participant in the programme *Turbulent Fluid Dynamics*.

## Selected organized programmes

1. Organiser of the Royal Society Discussion Meeting November 1984 : New developments in the theory and applications of solitons, (with Sir Michael Atiyah FRS & Dr G. Wilson). I also gave the Introductory Lecture.
2. Co-organiser of the Isaac Newton Institute for Mathematical Sciences 6 month programme *From finite to infinite dimensional dynamical systems*, July – December 1995 (jointly with Jack Hale, Peter Constantin and Colin Sparrow).

## A selection of research lectures in the last decade

1. Santa Fe – Los Alamos National Lab Turbulence meeting on *Multi-scale Modelling and Turbulence*, Santa Fe, July 2004, plenary speaker.
2. Wolfgang Pauli Institute, Vienna, meeting on *The Navier-Stokes equations*, April 2006, invited speaker.
3. Steklov Institute (Moscow) meeting *Mathematical Hydrodynamics*, June 12th–17th,
4. Steklov Institute (Moscow) meeting *Mathematical Hydrodynamics*, June 12th–17th, 2006, plenary speaker: this work has appeared in Russian Math Surveys.
5. CSCAMM, University of Maryland, October 2006 *High Reynolds number turbulent flows*, (organized by Tadmor, Hou & Constantin), plenary speaker.
6. Nanyang Technological University Singapore (Institute of Advanced Study), December 22nd–26th 2006, International Workshop on *Multi-scale analysis & Applications*, plenary speaker (organized by T. Hou of Caltech).
7. Plenary speaker : *Euler equations: 250 years on*, Aussois, France, 18th–23rd June 2007 to commemorate the 250th-year of the publication of Euler's paper on fluid motion and the 300th year of his birth : <http://www.obs-nice.fr/etc7/EE250/>

8. Göttingen Max-Planck Institute May 6th-9th, 2009 *Solving the Riddle of Turbulence: What, Why, and How?*. Plenary speaker. Meeting to mark the opening of the Göttingen Max-Planck 22M-euro wind tunnel.
9. Catania Sicily 6th–13th June 2010 *Analytical and numerical problems in fluid dynamics with applications* (funded by Istituto Nazionale di Alta Matematica): plenary speaker.
10. Rennes 21st–24th June 2010 *International congress in mathematical fluid dynamics and its applications*: plenary speaker.
11. Warwick July 5th–9th 2010, *Partial Differential Equations and Fluid Mechanics*: plenary speaker.
12. Edinburgh ICMS workshop, Sept 20–24th, 2010 *Dissipative PDEs in Bounded and Unbounded Domains and Related Attractors*: invited speaker.
13. University of Paris 6 (Pierre et Marie Curie) 1st July 2011 *Journée Claude Bardos*: invited speaker.
14. LMS-EPSRC Short Course, August 29th to Sept 2nd 2011 (Heriot-Watt) *Theoretical Fluid Dynamics*: course lecture.
15. Carnegie Mellon Oct 13th-17th 2011 *Analysis of incompressible fluids, Turbulence and Mixing*: plenary speaker.
16. Nice 14th-17th April 2012 *Rencontres Nioises de Mécanique des Fluides*, Laboratoire J.-A. Dieudonné, University of Nice Sophia Antipolis: plenary speaker.
17. Montreal May 21-25th, 2012 (Université de Montreal) *Geometry and Dynamics of Fluid*: plenary speaker.
18. Dublin (UCD) IUTAM Symposium 2nd–6th July 2012; *Understanding common aspects of extreme events in fluids*: plenary speaker.
19. Warwick PDE meeting July 9–10th 2012 *Patterns, turbulence and waves*: invited speaker.
20. Cambridge (INI) IUTAM Symposium *Topological Fluid Dynamics II*: 23–27th July 2012: plenary speaker.
21. Italian Research Council, International Winter School at Levico Terme (Trento) *Mathematical Fluid Dynamics* Dec 2012: course lecturer (4hrs).
22. Venice: *Navier-Stokes in Venice*, April 8th-12th 2013: invited speaker.
23. Santa Fe (CNLS Los Alamos National Lab) June 3rd-7th 2013 *Ocean Modelling Conference*: invited speaker.
24. IPAM (UCLA) *Turbulent fluid flows*: invited speaker October 2014.
25. Edinburgh ICMS workshop, March, 2015 *Regimes of nonlinear depletion and regularity in the 3D Navier-Stokes equations*: invited speaker.
26. Vienna: Wolfgang Pauli Institute, Vienna, meeting on *The Navier-Stokes equations*, Dec 2015.

### **Editorships and committees**

1. Chief (Honorary) & founding Editor of the journal *Nonlinearity* from 1988-93. Organised & set up the new journal (with David Rand), a joint venture between the London Mathematical Society & UK Institute of Physics with Board of 30 Editors.
2. Board Member of *Nonlinearity* January 1993 – December 1995.

3. Board Member of *Journal of Mathematical Physics*, January 1st 1995 – December 31st 1998.
4. Honorary Editor of Communications on Applied Nonlinear Analysis, 1999 – present.
5. Member of the Science and Engineering Research Council (SERC), *Nonlinear Systems Research* Grant national assessment Committee 1992.
6. *Nonlinear Systems Research* Earmarked studentship national assessment Committee 1992.
7. Member of the Engineering and Physical Sciences Research Council (now EPSRC: old SERC) MSc grant assessment national committee 1994.
8. Member of the EPSRC Mathematics College 1994-02.
9. Chairman of the EPSRC Applied Mathematics Grant Committee, November 1996.
10. Member of the Science Foundation of Ireland Mathematics Grant Committee, Spring 2005.
11. London Mathematical Society Prize Committee, 2004, 2007, 2008 & 2009.
12. Member of the Philip Leverhulme Prize Panel (Leverhulme Trust) for Mathematics and Statistics, 2004, 2006, 2008 & 2010.

### **External Examining Positions**

1. London University Internal Applied Mathematics examiner: Queen Mary College, University of London, Mathematics Department; 1989-92.
2. External examiner: University of Cambridge 1A Maths Tripos; 1992-94.
3. External examiner for Applied Mathematics: University of Warwick; 1998-2000.
4. External examiner for Mathematics: University of Limerick; 2001-04.
5. External examiner for Applied Mathematics: Durham University; 2001-04.