

Professor Robert Evans FRS

Present Position Henry Overton Wills Professor of Physics University of Bristol

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Date of Birth April 7, 1946 **Nationality** U.K.

Education and Academic Qualifications

1957-64 A J Dawson Grammar School, Wingate, Co. Durham, UK

1964-67 University of Birmingham, UK

Open Entrance Scholar

BSc Hons Mathematical Physics

1967-70 University of Bristol, UK

PhD Theoretical Physics

Thesis topic: 'The Resistivity and Thermo-power of Polyvalent Liquid Metals'

Advisors: P.Lloyd and J.M.Ziman FRS

Distinctions and Awards

1981 Fellow of the Institute of Physics F. Inst. P

2002 Alexander von Humboldt Research Award (Humboldt Preis)

2002 Molecular Physics Lecturer

2005 Elected Fellow of the Royal Society of London FRS

2007 Lennard-Jones Prize and Lecturer (Royal Society of Chemistry)

2011- Leverhulme Emeritus Fellowship

Appointments

1970-73 Postdoctoral Research Assistant, University of Bristol, UK

1973-74 Royal Society/SRC European Research Fellow, Freie Universität, West Berlin

1974-77 Postdoctoral Research Assistant, University of Bristol

1977-78 SRC Advanced Research Fellow, University of Bristol

1978-84 Lecturer, University of Bristol

1984-92 Reader in Physics, University of Bristol

1992-2006 Professor of Physics, University of Bristol

1997 Research Professor, Bergische Universität, Wuppertal, Germany

2002-5 Humboldt Awardee, MPI für Metallforschung, Stuttgart, Germany

2006-11 Henry Overton Wills Professor of Physics and Head of Department,
University of Bristol

2011 Kramers Chair of Theoretical Physics, University of Utrecht, Netherlands

2011- Emeritus Professor and Senior Research Fellow, University of Bristol

Former PhD Students

- H Azizi (PhD 1975) '*Tight Binding and Resonance Schemes for d Bands*'
(Now Associate Professor Shahid Beheshti University, Iran)
- R Kumaravadivel (PhD 1975) '*Theory of Thermodynamic Properties of Liquid Metals*'
(Professor, Dean and acting VC University of Jaffna, Sri Lanka)
- S M M Rahman (PhD 1979) '*Structure and Thermodynamic Properties of Binary Alloys*'
(Professor and HoD Sultan Quaboos University, Oman)
- M M Telo da Gama (PhD 1982) '*Theory of the Liquid-Vapour Interface of Simple Fluids and Fluid Mixtures*' (Professor University of Lisbon)
- A P Copestake (PhD 1984) '*Structural Properties of Ionic Liquids*'
- P C Ball (PhD 1988) '*The Structure and Phase Equilibria of Fluids in Confined Systems*'
- M G Knibb (PhD 1988) '*The Physics of Surfaces of Simple Metals: Calculation of the Density and Potential Profiles, Surface Energy and Work Function*'
- A O Parry (PhD 1989) '*Correlation Functions at Continuous Wetting Transitions*'
(Professor Imperial College, London)
- G P Brenan (MSc 1991) '*Non-Local Density Functional Theory for the Structure of the Uniform Hard-Sphere Fluid*'
- M B Sweatman (PhD 1995) '*Density Functional Theories of Simple Fluids and Their Mixtures*'
(Senior Lecturer University of Strathclyde)
- D C Hoyle (PhD 1996) '*On the Theory of Simple Classical Fluids*'
(Senior Lecturer University of Manchester)
- R J F Leote de Carvalho (PhD 1996) '*Structure and Correlations in Fluids and Their Mixtures*'
- H Dominguez (PhD 1997) '*Computer Simulations of Phase Transitions in Confined Fluids*'
(Associate Professor UNAM Mexico)
- J M Brader (PhD 2001) '*Statistical Mechanics of a Model Colloid-Polymer Mixture*'
(Professor, University of Fribourg Switzerland)
- A J Archer (PhD 2003) '*Statistical Mechanics of Soft Core Fluid Mixtures*'
(Lecturer University of Loughborough)
- M C Stewart (PhD 2007) '*Effects of Substrate Geometry on Interfacial Phase Transitions*'
- P D Hopkins (PhD 2008) '*Static and Dynamic Correlations in Some Models of Fluids*'

Postdoctoral Researchers and Fellows

- W Schirmacher 1976-8 (Now Professor T.U. Munich)
- TJ Sluckin 1978-80 (Professor University of Southampton)
- P Tarazona 1981-3 (Professor University Autonoma Madrid)
- U Marini Bettolo Marconi 1983-6 (Professor University of Camerino)
- J Wiechen 1984
- B Q Lu 1984-85
- I. Hadjiagapiou 1984-85 (Professor University of Athens)
- E Bruno 1986 (Associate Professor University of Messina)
- D Nicolaidis 1987-91
- J A White 1989 and 1993 (Associate Professor University of Salamanca)
- AO Parry 1989-92 (Professor Imperial College London)
- E Martin del Rio 1993 (Associate Professor University of Huelva)
- A Gonzalez 1997 (Associate Professor University of Salamanca)
- M Dijkstra 1997-1999 (Professor University of Utrecht)
- R Van Roij 1997-9 (Associate Professor University of Utrecht)
- A Maciolek 1998-9 (Associate Professor Polish Academy of Sciences Warsaw)
- R Roth 1999-2001 (Professor University Erlangen-Nuremberg)
- M Oettel 2004 (Group Leader University of Mainz)
- AJ Archer 2003-6 (Lecturer University of Loughborough)

Publications –see separate list.

Editorial Boards

1988-94 Member of Editorial Board Journal of Physics Condensed Matter (IoPP)

1995-9 Editor Liquids Section of Journal of Physics Condensed Matter (IoPP)

1990- Member of Advisory Board of Molecular Physics (Taylor and Francis)

Research Fields

Statistical physics: theories of liquid state; interfacial phenomena; confined fluids; phase transitions especially at interfaces; nucleation; simple models of colloidal suspensions; density functional theory in many-body systems.