

# Short Curriculum Vitae

## Rex William Godby

Address: Department of Physics, University of York, Heslington, York YO10 5DD.

E-mail: [rex.godby@york.ac.uk](mailto:rex.godby@york.ac.uk). World Wide Web: <https://www-users.york.ac.uk/~rwg3/>

Born 1960, Bristol, U.K. Nationality: British.

### Education

10.1978-6.1981 Undergraduate at Pembroke College, University of Cambridge. B.A. (1981), M.A. (1985). First class in all three parts of the Natural Sciences Tripos; College prizes 1979, 80, 81; Entrance and Foundation Scholar 1978-81.

10.1981-9.1984 Graduate student at Pembroke College, University of Cambridge. Ph.D. (1985) in Theoretical Solid State Physics.

### Appointments

10.1984-9.1986 AT&T Bell Laboratories, USA. Postdoctoral Member of Technical Staff

10.1986-9.1995 Department of Physics, University of Cambridge. (SERC Postdoctoral Fellow 10.1986-9.1988; SERC Postdoctoral Research Assistant 10.1988-9.1989; SERC Advanced Fellow 10.1989-9.1992; Royal Society University Research Fellow 10.1992-9.1995.)

10.1986-9.1995 Girton College, University of Cambridge. (Research Fellow 10.1986-9.1989; Official Fellow and Lecturer in Physics 10.1989-9.1995.)

10.1995-9.2020 Department of Physics, University of York. Professor of Theoretical Physics. (Head of Department 2002-6.)

10.2020- Emeritus Professor, Department of Physics, University of York.

### Research

- Over 100 peer-reviewed publications (see [list](#) for details) in fundamentals of density-functional theory, quantum dynamics of interacting electrons in matter, electronic structure, *ab initio* many-body perturbation theory. *h*-index: 40 / 43; times cited: 7,349 / 10,186 [Web of Science / Google].
- Over 70 invited talks at international conferences (plus numerous invited institutional seminars)
- Chair, Steering Committee, European Theoretical Spectroscopy Facility (together with its predecessor networks EXCAM, Nanophase and Nanoquanta), 1995-2012.
- Principal Investigator (Coordinator, in the case of collaborative EU grants) of research grants totalling over €11M

## Teaching

- Numerous lectures, classes, tutorials in undergraduate and graduate modules, including two especially long-running lecture courses:
  - Statistical Mechanics (Year 3 core course, 10 credits, 1996/7 to 2019/20)
  - Advanced Quantum Mechanics (Year 4 option, 10 credits, 1996/7 to 2019/20)
- Supervised approximately 40 final-year undergraduate research projects and 12 summer undergraduate research interns.
- Vice Chancellor's Teaching Award 2015

## Departmental administration

Roles include

- Chair, Graduate Studies Committee, October 1995-September 2002
- Head of Department, 1 October 2002 - 30 September 2006
- Departmental Research Committee, 2003-2011 (Chair, 2007-2011)
- Year Tutor for Year 2, 2012-2015
- Chair, Board of Examiners, October 2015-September 2020

## University administration

Roles include

- University Working Party on Assessment 1996-7
- University Teaching Committee 1997-2000
- University Review of undergraduate modularisation 1999
- University Graduate and Undergraduate Studies Committee: member 1998-1999, Chair 1999-2002
- University Working Party on Appeals and Complaints, 2002-3
- University Senate: elected member 2001-4 and 2012-15; also 2002-6 *ex officio* as HoD
- University Promotions Committee 2004-6
- University Promotions Panel for Sciences: Chair, 2005 and 2006; Member, 2009

## External contributions

- Undergraduate external examiner, University of Cambridge, 2009-12 and University of Nottingham, 2013-2015.
- Institute of Physics: Fellow. Chair, IoP Thin Films and Surfaces Group (1994-7)
- Inaugural recipient of the designation "American Physical Society Outstanding Referee" (2008)
- Chair, Steering Committee, European Theoretical Spectroscopy Facility (1995-2012)