

Curriculum Vitae
Prof Richard E. Palmer

College of Engineering
Swansea University
Bay Campus, Fabian Way
Swansea, SA1 8EN, UK

Place of birth: Swansea, UK
Date of birth: 15 Nov 1961
Nationality: UK

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Career

2017-	Research Professor and Head, Nanomaterials Lab, College of Engineering, Swansea University.
2015-	Professor, School of Physics, Nanjing University, China.
2014-	Editor-in-Chief, Advances in Physics: X (Taylor and Francis Journal).
2004-	Editor, Frontiers of Nanoscience (Elsevier Book Series).
2004-2017	Visiting Professor, University of Wales, Swansea.
1994-2017	Professor of Experimental Physics & Head, Nanoscale Physics Research Laboratory, University of Birmingham.
1993-1994	College Lecturer, Clare College, Cambridge.
1988-1994	Royal Society 1983 University Research Fellow, Cavendish Laboratory, Cambridge.
1987-1993	Research Fellow, Clare College, Cambridge.
1986-1988	Royal Commission for the Exhibition of 1851 Research Fellow, Cavendish Laboratory, Cambridge.
1983-1986	PhD in Physics, Cavendish Laboratory, Cambridge.
1980-1983	B.A. (1st Class) in Natural Sciences (Physics and Theoretical Physics), Trinity Hall, Cambridge.
1973-1980	Olchfa Comprehensive School, Swansea.

Prizes, Distinctions, Honours

2014	Fellow of the Learned Society of Wales
2013	British Vacuum Council Senior Prize and John Yarwood Memorial Medal
2013	EPSRC Senior Research Fellowship (2013-2019)
2012	Fellow of the Royal Society of Chemistry
2010	Honorary Doctorate (dr. h.c.), Hasselt University, Belgium.
2010	Honorary Professor, Petronas University of Technology, Malaysia.
2006	Institute of Physics Ireland Lecturer.
2002-2015	Honorary Professor, Harbin Institute of Technology, China.
1997	Institute of Physics Mott Prize Lecturer.
1996	Charles Vernon Boys Medal and Prize of the Institute of Physics. Fellow of the Institute of Physics.
1983	Pillai Memorial Prize for Best Result in Natural Sciences at Trinity Hall, Cambridge.

Visiting Positions

2010	Technical University of Denmark (Physics)
2000	Harvard Univ. (Chemistry)
	Oxford Univ. (Chemistry) and Visiting Fellow, St. Catherine's College, Oxford
1990	Cornell University (Physics)

Publications

	<i>See Scholar profile</i>
Published	429 papers
Citations	13.5k
H index	59

Most Highly Cited Papers

1. High-resolution detection of Au catalyst atoms in Si nanowires (**Citations 589**), J.E. Allen, E.R. Hemesath, D.E. Perea, J.L. Lensch-Falk, Z.Y. Li, F. Yin, M.H. Gass, P. Wang, A.L. Bleloch, R.E. Palmer and L. Lauhon, Nature Nanotechnology **3** 168 (2008).
2. Three-dimensional atomic-scale structure of size-selected gold nanoclusters (**Citations 424**), Z.Y. Li, N.P. Young, M. Di Vece, R.E. Palmer, A.L. Bleloch, B.C. Curley, R.L. Johnston, J. Jiang, J. Yuan, Nature **451** 46 (2008).
3. Resonances in electron scattering by molecules on surfaces (**Citations 330**), R.E. Palmer and P.J. Rous, Rev. Mod. Phys. **64** 383 (1992).
4. Nanostructured surfaces from size-selected clusters (**Citations 265**), R.E. Palmer, S. Pratontep and H.-G. Boyen, Nature Materials **2** 443 (2003).
5. Size-selected cluster beam source based on radio frequency magnetron plasma sputtering and gas condensation (**Citations 263**), S. Pratontep, S.J. Carroll, C. Xirouchaki, M. Streun and R.E. Palmer, Rev. Sci. Instrum. **76** 045103 (2005).

Knowledge Transfer

Submitted 18 families of patent applications.

Six SME's formed: Inanovate, Materials Solutions, Birmingham Instruments, Interface Spectra, Irresistible Materials, Grove Nanomaterials.

Additional industrial collaborators Johnson Matthey, Diamond, AlphaSense, Teer Coatings, SinoRaybo.

Invited Talks, Outreach, Committees, Boards

Invited Talks at Conferences	240
Invited Seminars	187

Public Understanding of Science >180 Talks/TV/Video/Radio/Newspaper/Magazine/Web Reports

External Committees	33
Conference Committees	104
Conferences Chaired/Co-Chaired	19
Current Editorial Boards	7