Richard Elwes: A Short CV

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Career Positions

- **Senior Teaching Fellow:** University of Leeds (2015 -)
- **Teaching Fellow:** University of Leeds (2011 - 2015)
- **Freelance Popular Science Writer** (2009 - 2012)
- **Postdoctoral scholar:** Albert-Ludwigs Universität in Freiburg, Germany (2006)
- **Postgraduate degree:** University of Leeds, PhD in Mathematical Logic (2001 - 2005)
- **Undergraduate degree:** University of Oxford, 1st Class Hons., MMath (1997 - 2001)

Professional Roles

- Undergraduate Admissions Tutor for Mathematics, University of Leeds (2015 -)
- Publicity Officer for the European Mathematical Society (2014 -)
- LMS Newsletter Review Group member (2015-17)
- Society member of: London Mathematical Society, European Mathematical Society, British Logic Colloquium, Association of British Science Writers, British Society for the History of Mathematics.

Teaching

- Fellow of the Higher Education Authority

- PGCE (secondary, mathematics) with QTS, University of Leeds (2008-09)

- University of Leeds, since 2011, module leader for: Introduction to Geometry, Number Theory, Homotopy and Surfaces, Combinatorics, Computational Mathematics, Mathematical Logic, History of Mathematics, Discrete Mathematics.

Mathematical Research

Very brief statement of interests: My background is in mathematical logic. However, I have recently become interested in trying to predict the outcome of unpredictable (discrete, stochastic) processes, and in using methods from 'pure maths' to analyse networks and other objects of interest in 'applied maths'. For instance, I have performed rigorous analysis of a famous theoretical model of racial segregation. See `richardelwes.co.uk/research` for more details and a list of my technical publications.

Writing

Books: I am the author of five mathematical books for a general audience, which have between them sold over 100,000 copies and appeared in over 20 international editions:
- *Maths 1001* (Quercus, 2010, UK)
- *How to Build a Brain* (Quercus, 2011, UK, also published under other titles)
- *The Maths Handbook*, (Quercus, November 2011, UK)
- *Chaotic Fishponds and Mirror Universes*, (Quercus, 2013, UK)
- *Maths in 100 Key Breakthroughs*, (Quercus, 2013, UK).

I have also written a number of articles in the press (*New Scientist* and *Daily Telegraph*), and regularly write online on my own blog *Simple City* and elsewhere. My article *An Enormous Theorem* won the 2006 Plus Magazine New Writers' Competition, and was the start of my career communicating mathematics to the wider public.