

STEVEN H. SIMON

EMPLOYMENT

10/16— **University of Oxford**, Research Professor of Physics, “RS-IV”
and Professorial Fellow of Somerville College
(This is a higher grade professorship that allows more time for research)
1/09 – 9/16 **University of Oxford**, Professor of Physics and Tutorial Fellow of Somerville College
1/00 – 12/08 **Bell Laboratories**, Department Director
8/97 – 1/00 **Bell Laboratories**, Member of Technical Staff
6/95 – 8/97 **Massachusetts Institute of Technology**, Postdoctoral Researcher, group of P. A. Lee
9/90 – 5/95 **Harvard University**, Research Assistant and Teaching Fellow
5/88 – 6/90 **Brown University**, Research Assistant

EDUCATION

9/90–5/95 **Harvard University**, PhD in Physics
Advisor: Bertand I Halperin
Thesis: “Response and Transport in the Quantum Hall Regime”
7/89–6/90 **Brown University**, Special Student in Chemistry
9/85–6/90 **Brown University**, BSc in Physics and Math

RESEARCH

The main focus of my research is topological phases of matter. Other interests include: topological quantum computation, two dimensional electron physics, moiré materials, correlated electrons, superconductivity, cold atoms, quantum information, information theory, quantum devices, random matrix theory, many-body localization, mesoscopic, wireless communications and devices

OUTPUT

Over 180 publications (36 PRL, 70 PRB, 4 PRX, 5 PRA, 2 RMP)
9 patents granted
 $h=55$, cites=15000 (Google Scholar)
Textbook “Oxford Solid State Basics” used at over 100 universities
Online solid state physics lectures have over half a million hits

AWARDS, HONORS, BOARDS, ETC.

UK-EPSRC Strategic Advisory Team, Physical Sciences (2019–)
Scientific Advisory Board, Max Planck Institute, MPIPKS, Dresden (2016–)
Division Associate Editor, Physical Review Letters (2016–2022)
External Examiner of Physics, University of Birmingham (2013–2016)
Royal Society Wolfson Merit Award (2013)
Adjunct Professor of Mathematical Physics, NIUM Maynooth (2011–)
Science Foundation Ireland ETS Walton Fellow (2009–2010)
APS Outstanding Referee, Inaugural Year (2008)
Fellow of the American Physical Society (2006)
American Physical Society National Apker Award (1989)