

CURRICULUM VITAE—JOHN ROE

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Email	john.roe@psu.edu
Education	D. Phil 1984 Oxford University, England Supervisor: Prof. Sir Michael Atiyah Thesis Title: “Analysis on manifolds” BA 1980 Cambridge University, England 1972–1976 Rugby School, England
Positions	From 7/98 Professor, The Pennsylvania State University 10/86–6/98 Lecturer in Mathematics, Oxford University, and Tutor in Mathematics, Jesus College, Oxford 8/95–12/95 Ulam Visiting Professor, University of Colorado 10/84–10/86 Junior Research Fellow, Merton College, Oxford 1/85–6/85 Postdoctoral visitor, MSRI
Honors etc	2012 Fellow of the American Mathematical Society (inaugural class) 2006 Alumni Society Distinguished Service Award, Eberly Col- lege of Science (PSU) 2004 Leverhulme Fellowship, held at the University of Edinburgh (one semester) 2002 Special Section (‘ K -theory’) Lecturer, International Con- gress of Mathematicians, Beijing 2001 Kemeny Lectures, Dartmouth College 1997 Andrejewski Lectureship, Göttingen 1996 Junior Whitehead Prize, London Mathematical Society 1995 CBMS Lecture Series, American Mathematical Society
Grants	2006 NSF Grant DMS-0607879 (joint with N Higson), five years 2001 NSF Grant DMS-0100464 (joint with N Higson), five years

- 2000 NSF Grant DMS-0074062 (Focused Research) (joint with N Higson, J Kaminker, and S Weinberger)
- 1998 NSF Grant DMS-9800765 (joint with N Higson)
- 1998 Penn State Research Initiation Grant
- 1992–1995 European Community Research Grant, K -Theory (joint)

Teaching

Since arriving at Penn State I have taught graduate courses in analysis, C^* -algebras, topology, and geometry, and undergraduate courses in Calculus II and III (honors), real analysis, differential equations, and the MASS Program (geometry and topology), as well as a “Math for Sustainability” course for non-science majors.

At Oxford I have taught the entire spectrum of pure mathematics to undergraduates, as well as graduate courses in geometry, analysis, and topology.

Service

- 2009–2012 American Mathematical Society Committee for Professional Ethics (chair 2012)
- 2006–2012 Head, PSU Math Department
- 2003–2006 Associate Chair for Faculty Development, PSU Math Department.
- 2002 Drafted Program Statement for renovation of McAllister Building.
- 2001– Penn State Teaching and Learning Consortium TA Team
- 2001 Active in production of report *Reviving the Penn State Mathematics Department*
- 2001 Designed and implemented new induction, training and oversight program for graduate teaching assistants
- 2000–2003 Associate Chair, PSU Math Department. *Ex-officio*: Policy Committee, Personnel Committee, Space Committee, Shapiro Committee, GTA Oversight Committee (chair), Chowla Committee
- 1999–2001 Computing Committee, PSU Math Department
- 1998– Undergraduate Advisor for Mathematics BA Program

1996–2006	Editor, <i>Topology</i>
2006–	Editor, <i>Journal of Noncommutative Geometry</i>
2007–	Editor, <i>Journal of Topology</i>
1995	Chairman of Examiners (Mathematics), Oxford University
1989–1998	Service to Jesus College, Oxford: Secretary to Governing Body, Estates Committee, Statutes Committee, Domestic Committee, Internal Committee, Benefices Committee
1993–1998	Secretary and Trustee, the Oxford Pastorate
Since 1990s	Reviewer for National Science Foundation

Collaborators

P. Baum (PSU), M. Bridson (Oxford), B. Hanke (Mainz), N. Higson (PSU), J. Kaminker (Indianapolis), M. Karoubi (Paris), D. Kotschick (Munich), G. Mahan (Penn State), E.K. Pedersen (Binghamton), V. Rabinovich (Mexico), S. Roch (Darmstadt), A.A. Ranicki (Edinburgh), T. Schick (Münster) S. Stolz (Notre Dame), T. Thomhauser (Penn State), C. Wahl (Virginia Tech), S. Weinberger (Chicago), and others

Grad Students

J.E. Andersen, D.Phil 1992, Aarhus;
D.Z. Kucerovsky, D.Phil 1994, New Brunswick;
B. Mavra, D.Phil 1996, Shell Oil Exploration;
P. Mitchener, D.Phil 2000, Paris;
N. Wright, PhD 2002, Vanderbilt;
B. Chacon, PhD 2003, Universidad de Costa Rica;
V.-T. Luu, PhD 2005, University of British Columbia
H.-J. Kim, PhD 2005, Münster,
Rufus Willett, PhD 2008, Vanderbilt
Steve Hair, PhD 2010, Penn State
Paul Siegel, PhD 2012, Columbia

Personal

Born	6th October, 1959
Marital status	Married, two children
Recreations	Rock-climbing, theology, guitar, cooking, blogging

References

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- [2] Bernhard Hanke, Dieter Kotschick, John Roe, and Thomas Schick, *Coarse topology, enlargability, and essentialness*, Annales Scientifiques de l'École Normale Supérieure. Quatrième Série **41** (2008), no. 3, 471–493.
- [3] Nigel Higson, Erik Kjær Pedersen, and John Roe, *C*-algebras and controlled topology*, *K-Theory. An Interdisciplinary Journal for the Development, Application, and Influence of K-Theory in the Mathematical Sciences* **11** (1997), no. 3, 209–239.
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