

Richard Alexander: Curriculum Vitae

Date of Birth: 13th September 1979

Citizenship: British Citizen

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Department of Physics & Astronomy

University of Leicester

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Employment

2009–present **Department of Physics & Astronomy, University of Leicester**

Lecturer in Theoretical Astrophysics

2009–2015 **Department of Physics & Astronomy, University of Leicester**

STFC Advanced Fellow

2007–2009 **Sterrewacht Leiden, Leiden University**

Postdoctoral Fellow

Faculty contacts: Dr. Yuri Levin, Dr. Michiel Hogerheijde.

2005–2007 **JILA, University of Colorado**

Postdoctoral Research Associate

Faculty contacts: Prof. Mitch Begelman, Prof. Phil Armitage.

Education

2002–2005 **Institute of Astronomy, University of Cambridge**

PhD in Astrophysics

Supervisor: Dr. Cathie Clarke.

1997–2002 **University of Edinburgh**

MPhys(Astrophysics) with First Class Honours

Teaching Experience

2011–2012 Completed PGC module on Academic Practice in Higher Education.

2011 Lecturer and organiser for postgraduate course on “Astrophysics of Planet Formation”, University of Leicester.

2010–present Personal and academic tutor to undergraduate students, University of Leicester.

2009 Guest lecturer for MSc course on “Astrophysical Accretion”, Leiden University.

2007 Lecturer at PhD student summer school held in Ofir, Portugal.

2002–2005 Supervisor (tutor) for first-year physics at Clare College, University of Cambridge.

PhD theses examined: Christian Brinch (Leiden, 2008); Ruud Visser (Leiden, 2009); Peter Cossins (Leicester, 2010); Alexander Hobbs (Leicester, 2010).

Research Students Supervised

2010–present Alex Dunhill, PhD student, University of Leicester.

2010 Sarah Smedley, SURE summer student, University of Leicester.

2008–09 Daniel Harsono, MSc research project, Leiden University.

Research Grants (as Principal Investigator)

- 2009 **Science & Technology Facilities Council (UK)**
Advanced Fellowship (£497,779)
- 2008 **Nationale Computer Faciliteiten (Netherlands)**
262,000 CPU hours (€26,200, as “Projectleider”)
- 2007 **National Center for Supercomputing Allocations (USA)**
176,000 CPU hours (equivalent value ~\$10,000)

Awards & Honours

- 2009 **STFC Advanced Fellowship**
- 2009 **Visiting Fellowship**, Isaac Newton Institute for Mathematical Sciences, Cambridge.
- 2007 **PPARC/STFC Postdoctoral Fellowship** (declined)
- 2002–2005 **PPARC PhD Studentship**

Service

- Peer-review referee for *Science*, *ApJ*, *ApJL*, *ApJS*, *MNRAS*, *New Astronomy Reviews*: typically 4–6 papers per year.
- Member of NASA *Origins of Solar Systems* grants panel, 2010.
- Peer-review of research grant proposals for STFC (UK), NASA (USA), FWF (Austria), CSCS (Switzerland).

Recent Invited Talks

- 2011/04 Review speaker at “Signposts of planets”, Goddard Space Flight Center, Maryland, USA. (Note: conference postponed due to impeding US government shutdown.)
- 2010/05 Review speaker at planet/disc workshop, Kiel, Germany.
- 2010/05 Invited speaker at “Dynamics of Astrophysical Disks”, Kavli Institute, Beijing, China.
- 2009/11 Review speaker at planet/disc workshop, Royal Observatory, Edinburgh, UK.
- 2008/10 Review speaker at 5th Spitzer Conference, Pasadena, USA.
- 2008/07 Review speaker at “Cool Stars 15”, St Andrews, UK.
- 2008/03 Review speaker at planet formation workshop, Pasadena, USA.
- 2007/06 Invited speaker at Ringberg Castle Galactic Centre conference, Munich, Germany.
- 2006/07 Review speaker at “The Disc-Planet Connection”, Cambridge, UK.

Visiting departmental seminars/colloquia: Sheffield (1/12), DAMTP Cambridge (2/11), Nottingham (1/10), UCL (10/09), Yale (2/09), Amsterdam (1/09), Leicester (12/07), IoA Cambridge (11/07), UC Berkeley (8/07), Leiden (1/07), MPIA Heidelberg (1/07), UC Santa Cruz (10/06), Edinburgh (8/06), IoA Cambridge (4/06).

Publication and Citation Summary

- 26 peer-reviewed papers published, in press or submitted.
- 17 first-author peer-reviewed papers since 2003.
- > 800 total citations; *h*-index of 17.