

CURRICULUM VITÆ

Dr. Anthony Mark Swinbank

PERSONAL DETAILS

Full name: Anthony Mark Swinbank
Address: 39 Montaigne Drive,
Croxdale Park,
Bowburn, Durham,
DH6 5QB, UK.
Tel: +44 191 377 9338
Date of birth: 27th April 1980.
Nationality: British
Place of birth: Teeside, England
Status: Married.

PRESENT POSITION

I am currently a STFC Advanced Fellow fellow at the Institute of Computational Cosmology within the University of Durham.

Address: Institute for Computational Cosmology,
Ogden Centre for Fundamental Physics,
University of Durham,
South Road,
Durham DH1 3LE,
Britain.
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PREVIOUS POSITIONS

2008-2010: Royal Astronomical Society Sir Norman Lockyer Fellow, University of Durham

2005-2008: STFC Junior Research Fellow, University of Durham

EDUCATION

Undergraduate: (1998–2002) Dept. of Physics, University of Durham.
Degree: MSci. (Hons) Physics and Astronomy
First Class
*Prizes: (1999) Bernard Roberston Prize
(annual college award for best science undergraduate)*

Postgraduate: (2002–2005) University of Durham.
Degree: Ph.D. in Astronomy.
Title: Spatially Resolved Kinematics, Chemical Abundances and Star-formation
Properties of Galaxies in the Distant Universe
*Prizes: (2003 & 2005) Institute Of Physics Publishing Prize
(awarded for outstanding research by a graduate student)*

PhD Supervisors: Prof. Richard Bower & Prof. Ian Smail

REFEREES

Prof. R. S. Ellis
Steele Professor
California Institute of Technology
1201 East California Blvd,
Pasadena,
CA 91125, USA

Prof. C. Frenk
Ogden Professor & Director of the ICC,
Institute for Computational Cosmology
University of Durham,
South Road, Durham,
DH1 3LE, UK

Prof. I. Smail
Head of Astronomy,
ICC, Dept. of Physics,
University of Durham,
South Rd, Durham
DH1 3LE, UK

RESEARCH CAREER

(2005–2008) STFC Post-Doctoral Fellow

(2008–2010) Royal Astronomical Society Sir Norman Lockyer Fellow

(2010–) STFC Advanced Fellow in the Institute for Computational Cosmology, Durham

COMMITTEES & POSTS

(2010–) National JCMT TAC

(2011–2012) ESO OPC

(2007–2010) National Gemini TAC

(2007–) Extremely Large Telescope (ELT) EAGLE and HARMONI science teams

COMMITMENTS & TEACHING

(2010–) Post-Graduate Course (10 lectures + classes per year)

(2010–) Level 2 Under-Graduate Lectures

(2005–) Level 3 Under-Graduate Lab Teaching (6–10 hrs / week)

(2005–) ApJ/ApJL/MNRAS referee

(2003–2005) Departmental Masterclass Co-ordinator

RESEARCH TOPICS

“The Formation and Evolution of Galaxies and the Growth of Structure in the Universe”

“Galaxy Clusters & Gravitational Lensing of High Redshift Galaxies by Foreground Clusters”

“Galaxies in Interaction”

PUBLICATIONS

I have written 88 papers in internationally recognised, peer-reviewed journals (17 as first author, 71 as co-author). Together, my papers have over 2500 citations. I also have three papers in the journal Nature, one at first author, one as second author, and one as fourth author. See publication list at:

<http://astro.dur.ac.uk/~ams/papers.html> for full listing.

SELECTED SEMINARS, REVIEWS AND TALKS

- “Galaxies Under the Cosmic Microscope” Invited Colloquia, Saclay, Paris, 2012
 - “Resolving Distant Galaxies” Invited Colloquia, Oxford, October 2011
 - “Star Formation in Galaxies: The Herschel Era” Invited Talk, Ringberg, June 2011
 - “Starbursts at High Redshift through Gravitational Telescopes” Invited Review, Granada, June 2010
 - “Galaxies Under the Cosmic Microscope: The Properties of HII regions in High-Redshift Galaxies” Invited Colloquia, Sheffield, April 2010
 - “Spatially Resolved Kinematics of High-z Galaxies” Invited Colloquia, Caltech Astronomy, January 2009
 - “Galaxy Formation in the era of ELT: A Preview 10 years ahead of time” Invited Colloquia, Carnegie Institute for Science, February 2009
 - “Probing Galaxy formation through Gravitational Lensing” Invited Colloquia, University College of Santa Barbara, March 2009
 - “Galaxies Under the Cosmic Microscope: Previewing ELT Science ” Invited Colloquia, Geneva, Oct. 2008
 - “The Properties of Sub-mm Galaxies in Hierarchical Models” Invited Review, Galaxies in Real Life and Simulations, Lieden, September 2008
 - “The Physics of Sub-mm Galaxies” Invited Review at “The Origin of Galaxies” Obergurgl, Austria, 2007
 - “Gravitational Lensing as a Probe of High-z Galaxies” Invited Colloquia, IoA, Cambridge, February 2007
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