

GORDON T. RICHARDS

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RESEARCH INTERESTS

Quasars, Quasar Absorption Lines, Galaxy Evolution, Gravitational Lensing

EDUCATION

The University of Chicago

Ph.D. 2000 (Sugarman Award), Astrophysics; Professor Donald G. York
S.M. 1995, Astrophysics

Princeton University

A.B. 1994 *cum laude*, Astrophysics; Professor Edwin L. Turner

ACADEMIC EMPLOYMENT

August 2006 - Present, **Drexel University**

Professor of Physics (9/2015 -)

Associate Professor of Physics (9/2010 - 8/2015)

Humboldt Research Fellowship, Max Planck Institut für Astronomie (2012-2013)

Assistant Professor of Physics (8/2006 - 8/2010)

Antelo Devereux Award for Young Faculty (2009)

Alfred P. Sloan Research Fellowship (2007-2011)

August 2005 - July 2006, **Johns Hopkins University**

Gordon and Betty Moore Fellow; Assoc. Research Scientist

August 2002 - July 2005, **Princeton University**

Research Staff and Res. Assoc./SDSS Postdoctoral Fellow

August 2000 - July 2002, **The Pennsylvania State University**

Research Associate

TEACHING EXPERIENCE

AY 2006-2016, **Drexel University**

PHYS 131 (S+F'07-12, F'13, S+F'14, S+F'15, S'16)

PHYS 408 (S'08, AY08-12, F'12, AY13-14, AY14-15, AY15-16)

PHYS 112 (W'07, W'08)

PHYS 114 (W'09-12, W'14, W'15, W'16)

PHYS 232 (F'07, F'09, F'11, F'13, F'15)

PHYS T480/580 (F'16)

Fall 2001 and Spring 2002, **The Pennsylvania State University**

Astro 10 (Introductory Astronomy)

PROFESSIONAL ACTIVITIES

AAS, ASP, and AAPT Member
LSST AGN Science Collaboration, Drexel Institutional Rep.
Referee for ApJ, AJ, MNRAS, PASP, A&A, Phys. Rev. Letters
Reviewer for NSF, NASA, *Chandra*, *Spitzer*, *HST*, & *GALEX*
NRAO VLASS Survey Science Group, 2014– (Extragalactic Co-chair)
Thomson Reuters’ “Highly Cited Researchers” 2014, 2015, and 2016
NRAO User’s Committee, 2010-2013 (Co-chair 2012)
HEASARC (NASA X-ray Database) Users Group, 2006–2008
SDSS I/II “Builder”, Quasar Working Group Deputy Co-Chair

RECENT GRANTS

Chandra (Cycle 18): “Investigating X-ray Bias in Low-L, Low- z Quasars”; \$80,899 (PI)
HST (Cycle 23): “Are High- z Spectroscopic BH Mass Estimates Biased?”; \$90k (PI)
NSF (2013): “CDS&E: AGNs Amidst the Data Deluge”; \$185,000 (PI)
Spitzer Cycle-9: “SpIES: The Spitzer-IRAC Equatorial Survey”; \$397,250 (PI)
Chandra Cycle-14: “Using X-rays to Test for Black Hole Mass Biases”; \$74,996 (PI)
NASA ADP (2011): “The Ultimate Multiwavelength Quasar Survey”; \$244,779 (PI)
NSF (2010): “Radio-Loud Quasars: What, When, Where, Why, & How”; \$168,310 (PI)
GALEX Cycle-6: “Mid-IR Through UV SEDs of SDSS Type I Quasars”; \$40,000 (PI)
NSF: “Where is the Information in Cluster Lensing?”; (Co-I)
Spitzer Cycle-6: “Leveraging Spitzer’s Legacy”; \$56,450 (PI)
Spitzer Cycle-6: “SERVS”; \$20,000 (Co-I)
Alfred P. Sloan Research Fellowship (2007-2011); \$45,000

RECENT PROFESSIONAL TALKS

Active Galactic Nuclei: What’s in a name?, ESO, Garching (Invited), June 2016
Statistical Challenges in Modern Astronomy, Carnegie Mellon Univ., June 2016
Great Lakes Quasar Symposium, Univ. of Western Ontario, May 2016
Gas/Galaxies on Top of Quasars, Univ. of Pittsburgh, April 2016
Royal Observatory Edinburgh, Quasar Day, June 2015
University of Delaware, Astro Seminar, February 2015
The Inner Regions of Quasars Symposium (Invited), September 2014
The Multi-Wavelength, Multi-Epoch Heritage of Stripe 82 (Inv.), Princeton, March 2014
Astronomisches Rechen-Institut, Univ. Heidelberg, May 2013
Far Infrared Workshop, Schloß Ringberg, May 2013
Northwestern University, September 2012
University of Wyoming, February 2012
Imperial College London, December 2011
AGN Winds in Charleston, October 2011
Max Planck Institut für Astronomie, August 2011
Very Wide Field Surveys in Light of Astro 2010 (Invited), June 2011
Georgia Tech, March 2011
COSPAR 2010 Conference (Invited), Bremen, Germany, July 2010