

GORDON T. RICHARDS

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RESEARCH INTERESTS

Active Galactic Nuclei, Black Hole/Accretion Disk Physics, Galaxy Evolution

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 -)

Provost's Award for Outstanding Scholarly Productivity (2017)

Humboldt Research Fellowship, Max Planck Institut für Astronomie (2013,2017)

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

Antelo Devereux Award for Young Faculty (2009)

Alfred P. Sloan Research Fellowship (2007-2011)

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

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

AYs 2006-2018, **Drexel University**

PHYS 131 (S+F'07-12, F'13, S+F'14, S+F'15, S'16, S'17)

PHYS 408 (S'08, AYs 08-12, F'12, AYs 13-18)

PHYS 112 (W'07, W'08)

PHYS 114 (W'09-12, W'14, W'15, W'16, W'17)

PHYS 232 (F'07, F'09, F'11, F'13, F'15, F'17)

PHYS T480/580 (F'16)

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

Astro 10 (Introductory Astronomy)

RECENT PROFESSIONAL ACTIVITIES

Thomson Reuters' "Highly Cited Researchers" 2014, 2015, 2016
LSST AGN Science Collaboration, Drexel Institutional Rep.
LSST Enabling Science Committee, 2017–
NRAO VLASS Survey Science Group (Extragalactic Co-chair), 2014–
Reviewer for NSF, NASA, *Chandra*, *Spitzer*, *HST*, & *GALEX*
Referee for ApJ, AJ, MNRAS, PASP, A&A, Phys. Rev. Letters
AAS, ASP, and AAPT Member

RECENT GRANTS

HST (Cycle 25): "Application of ICA Analysis to UV Quasar Spectra", \$85,355 (PI)
NASA ADAP (2016): "AGN Accretion Physics: Insights from K2"; (PI: Vogeley)
NASA ADAP (2016): "Mining the Sky for High-Redshift Quasars"; \$239,721 (PI)
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?"; \$90,357 (PI)
NSF (2013): "CDS&E: AGNs Amidst the Data Deluge"; \$179,482 (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 ADAP (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)
Spitzer Cycle-6: "Leveraging Spitzer's Legacy"; \$56,450 (PI)
Alfred P. Sloan Research Fellowship (2007-2011); \$45,000

RECENT PROFESSIONAL TALKS

National Radio Astronomy Observatory (Colloquium), Socorro, NM, Nov. 2017
AGN Winds on the Georgia Coast, Jekyll Island, GA, June 2017
Elusive AGN in the Next Era (Invited), George Mason Univ., June 2017
Quasars at All Cosmic Epochs (Invited), Padua, Italy, April 2017
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 (Colloquium), September 2012
University of Wyoming (Colloquium), February 2012
Imperial College London, December 2011
AGN Winds in Charleston, October 2011