

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,S'18,S'19,F'19,S'21,S'22)

PHYS 408 (S'08, AYs 08-12, F'12, AYs 13-19, F'19, AY20, AY21)

PHYS 112 (W'07, W'08)

PHYS 114 (W'09-12, W'14, W'15, W'16, W'17, W'18, W'19, W'21,W'22)

PHYS 232 (F'07, F'09, F'11, F'13, F'15, F'17, F'21)

PHYS 440/540 (F'16, F'18, F'20)

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 (Co-Chair 2021–); Drexel Institutional Rep.
LSST Enabling Science Committee, 2017–2022 (Chair 2019–2022)
NRAO VLASS Survey Science Group (Extragalactic Co-chair), 2014–2020
Reviewer for NSF, NASA, *Chandra*, & *HST*
Referee for ApJ, AJ, MNRAS, PASP, A&A, Phys. Rev. Letters
AAS and AAPT Member

RECENT GRANTS

Chandra (Cycle 22): “Probing UV-X-ray Correlations in Luminous Quasars”; \$88k (PI)
NSF (2019): “Calibrating Quasars for Cosmology”; \$102,226 (PI)
NASA K2 (Cycle 6): “Quasar Variability as a Function of Accretion Rate”; \$40k (PI)
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

University of Cambridge (Astronomy Colloquium), Nov. 2020
Pontificia Universidad Católica (Colloquium), Santiago, Chile, Aug. 2020 (virtual)
University of Pennsylvania (Colloquium), Philadelphia, PA, Mar. 2020
University of Delaware (Colloquium), Wilmington, DE, Mar. 2020
Carnegie Mellon University (Colloquium), Pittsburgh, PA, Feb. 2020
Ohio State University (Colloquium), Columbus, OH, Jan. 2020
Accretion History of AGN, University of Miami, Oct. 2018
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

RECENT ADMINISTRATIVE RESPONSIBILITIES

At-Large Member, Faculty Senate Budget, Process, & Deve. (BP&D) Committee (2021–)
Chair, Faculty Senate Budget, Process, & Development (BP&D) Committee (2021–)
Ex-Officio Member, Drexel Faculty Senate (2021; voice and vote)
Ex-Officio Member, Drexel Board of Trustees (BoT) Finance Comm. (2021; no vote)
Ex-Officio Member, Drexel BoT Investment Committee (2021; voice, no vote)
Ex-Officio Member, Drexel BoT Institutional Advancement Comm. (2021; voice, no vote)
Ex-Officio Member, Drexel Capital Assests Allocation Comm. (2021–2022)
Ex-Officio Member, Drexel Faculty Senate Steering Committee (2021)
Ex-Officio Member, Drexel CoAS Faculty Senate Caucus (2021)
Member, Facilities & Real Estate VP Search Committee (2021)
Member, Academic Resource Planning Committee (AY18-19)
Member, Provost’s Tenure & Promotion Review Committee (2017, 2018)
Member, Physics Graduate Admissions Committee (2015–2018, 2020, 2021)
Member, Research-administraion Action Planning Team (2019-2021)