Gordon T. Richards

Drexel University
Department of Physics
3141 Chestnut Street
Philadelphia, PA 19104

gtr@physics.drexel.edu
Phone: (215) 295-2713
Fax: (215) 295-5934
www.physics.drexel.edu/~gtr/

RESEARCH INTERESTS

Quasars, Quasar Absorption Lines, Galaxy Evolution, Gravitational Lensing

PERSONAL

Born 26 February 1972, Chicago, IL; Married; two children

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**
Assistant Professor of Physics
Alfred P. Sloan Research Fellowship (2007)
Antelo Devereux Award for Young Faculty (2009)

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

October 1997 - July 2000, **The University of Chicago**
Research Assistant

Summers 1995 - 1998, **Fermi National Accelerator Laboratory**
SDSS Software Development and Hardware Testing

Oct. 1995 - June 1996, Oct. 1996 - June 1997, **Adler Planetarium**
Adler Fellow

TEACHING EXPERIENCE

AY 2006-2007, 2007-2008, 2008-2009, 2009-2010 **Drexel University**
PHYS 112 (W'07, W'08); PHYS 131 (S'07, F'07, S'08, F'08, S'09); PHYS 232 (F'07); PHYS 114 (W'09), PHYS 408 (S'08, F'08, W'09, S'09)

Fall 2001 and Spring 2002, **The Pennsylvania State University**
Astro 10 (Introductory Astronomy, 150 students/semester)

October 1995 - June 1997, **Adler Planetarium**
Public Demonstrations

October 1994 - June 1995, **University of Chicago**
PhySci 118,119,120 Teaching Assistant (25 students/lab section)

PROFESSIONAL TALKS

Harvesting the Desert (Invited), Marseilles, June 2009
University of Western Ontario, April 2009
Classification and Discovery in Large Surveys (Invited), Ringberg Castle, October 2008
XXL Workshop (Invited), Paris, April 2008
Harvard/CfA Colloquium, March 2008
Ohio State AGN Workshop (Invited), October 2007
Impact of AGN Feedback on Galaxy Form. (Invited), Ringberg Castle, May 2007
Penn State University, May 2007
Oklahoma University, April 2006
Drexel University, February 2006
Catholic University, February 2006
AGN Winds in the Carribean Workshop (Invited), November 2005
University of Washington, April 2005
University of Alabama Huntsville, March 2005
NOAO, February 2005
McGill University, February 2005
University of Pittsburgh, January 2005
Ringberg Workshop on AGN Physics (Invited), November 2004
Rutgers University, September 2004
Yale University, February 2004
Cozumel Multiwavelength AGN Surveys Conference (Invited), Dec. 2003
Harvard/CfA, November 2003
University of Illinois, September 2003
AGN Physics with the SDSS Conference, July 2003
The Ohio State University, January 2002
Rochester Institute of Technology, November 2001
Rensselaer Polytechnic Institute, October 2000

PROFESSIONAL ACTIVITIES

AAS, ASP, and AAPT Member
Sloan Digital Sky Survey "Builder"
SDSS Quasar Working Group Deputy Co-Chair
LSST AGN Science Collaboration, Drexel Institutional Rep.
LOC Chair, SDSS-II Collaboration Meeting, Drexel University, March 2007
SOC Co-Chair, "AGN Physics with the SDSS" Meeting, July 2003
Referee for ApJ, AJ, MNRAS, PASP, A&A
Reviewer for *Chandra*, *Spitzer*, *HST*, & *GALEX*
HEASARC (NASA X-ray Database) Users Group, 2006–present

GRANTS

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 (2007-2009); $45,000
NASA ADP (2007): "AGN SEDs and Feedback"; $244,499 (PI)
Spitzer Cycle-5: "Seeing the Unseen"; $61,590 (Co-I)
Spitzer Cycle-5: "Structure of the Dusty Torus"; $82,245 (PI)
Chandra Cycle-9: "Deconstructing the Accretion Disk Wind"; $68,387 (PI)
XMM-Newton Cycle-4: "A Modern Quasar SED"; $19,487 (PI)
Spitzer Cycle-3: "9-D Bayesian Quasar Classification"; $49,927 (PI)
Spitzer Cycle-1: "SEDs of SDSS Quasars in the *Spitzer*-FLS Data"; $49,894 (PI)
GALEX Cycle-1: "UV Investigation of Quasars"; (Co-I)
Chandra Cycle-5: "X-ray Properties of Dust Reddened Quasars"; $54,922 (PI)
Chandra Cycle-4: "X-ray Constraints on the BELR in QSOs"; $31,410 (PI)
HST Cycle-11: "A Survey for Gravitational Lenses Among $z > 4$ QSOs"; (Co-I)
Sloan Foundation: "AGN Physics with the SDSS Conference"; $9000 (Co-PI)
NSF: "AGN Physics with the SDSS Conference"; $6000 (Co-PI)