

# GORDON T. RICHARDS

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## **RESEARCH INTERESTS**

Quasars, Quasar Absorption Lines, Gravitational Lensing, Galaxy Evolution

## **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

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, **Drexel University**

PHYS 112, Physics II (Winter); PHYS 131, Survey of the Universe (Spring)

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**

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 and ASP Member  
Sloan Digital Sky Survey “Builder”  
SDSS Quasar Working Group Deputy Co-Chair  
SOC Co-Chair, “AGN Physics with the SDSS” Meeting, July 2003  
Referee for ApJ, AJ, MNRAS, PASP, A&A  
Chair, *Constellation-X* High- $z$  Science Panel  
Reviewer for *Chandra* (Cycle 6), *Spitzer* (Cycle 2) & *HST*  
HEASARC (NASA X-ray Database) Users Group, 2006–present

## GRANTS

Alfred P. Sloan Research Fellowship (2007)  
*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)