

# 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 (Michelle); one child (Seth, 2 yrs.)

## **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 2005 - Present, **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**

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

Astro 10 (Introductory Astronomy, 150 students/semester – sole instructor)

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

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

## GRANTS

NSF: “The Multiwavelength SED of Quasars”; \$290,000 (proposed)  
*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)

## OBSERVING EXPERIENCE

ARC 3.5m/SDSS 0.5m, **Apache Point Observatory**, Sunspot, NM (100+ nights)  
RC 1.0m, **U.S. Naval Observatory**, Flagstaff, AZ (6 nights)  
Magellan II, **Las Campanas Observatory**, La Serena, Chile (4 nights)  
Keck II 10m, **Keck Observatory**, Mauna Kea, HI (4 nights)  
HET 9.2m/Smith 2.7m, **McDonald Observatory**, Ft. Davis, TX (3.5 nights)  
Shane 3.0m, **Lick Observatory**, San Jose, CA (3 nights)  
A-array, **Very Large Array**, Socorro, NM (9 hours)

## 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)

## **PRIMARY REFERENCES**

Professor Donald P. Schneider

Dept. of Astronomy & Astrophysics, Penn. State Univ., University Park, PA 16802

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Professor Michael A. Strauss

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Professor Alexander Szalay

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Professor Donald G. York

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## **SUPPLEMENTARY REFERENCES**

Professor Robert H. Becker

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