

# Alice E. Shapley

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## Education

Ph.D. in Astronomy,  
California Institute of Technology, 2003  
*Thesis Title:* “Detailed Astrophysical Properties of Lyman Break Galaxies”  
*Research Advisor:* Professor Charles C. Steidel

A.B. in Astronomy and Astrophysics, and Physics,  
Magna Cum Laude with Highest Honors in Astronomy/Physics,  
Harvard-Radcliffe University, 1997

## Research Interests

Galaxy formation and evolution  
Feedback processes in starburst galaxies  
Stellar populations at high redshift  
Evolution of the inter-galactic medium at high redshift

## Awards and Honors

NSF Graduate Research Fellowship, 1998-2001  
Virginia Gilloon Fellowship, Caltech, 1997-1998  
Leo Goldberg Prize, Harvard, 1997

## Observing Experience

Extensive experience in optical and near-infrared imaging and spectroscopy:

- Palomar 200-inch telescope (COSMIC, LFC)
- Keck Observatory (LRIS, HIRES, ESI, NIRC, NIRSPEC)
- Very Large Telescope (ISAAC)
- Hubble Space Telescope (WFPC2)

## Teaching Experience

Teaching Assistant, Introductory Undergraduate Astronomy, Caltech, 1998  
Teaching Assistant, Undergraduate Cosmology, Caltech, 1999  
Teaching Assistant, Graduate Cosmology, Caltech, 1999

## **Invited Presentations**

Colloquium, UC Santa Barbara, October 2002  
Colloquium, UC San Diego, April 2002  
Invited Talk, Galaxy Formation Workshop, UC Santa Cruz, August 2001  
Lunch Talk, IPAC/Caltech, May 2001  
Invited Talk, Galaxy Formation Workshop, UC Santa Cruz, August 2000

## **Contributed Conference Presentations**

Poster/oral presentation at “Galaxy Evolution: Theory and Observations,”  
Cozumel, Mexico, April 2002  
Oral presentation at “A New Era of Cosmology,”  
Durham, U.K., September 2001  
Poster presentation at “197th Meeting of the American Astronomical Society,”  
San Diego, CA, January 2001  
Oral presentation at “Victoria Computational Cosmology Conference,”  
Victoria, B.C., August 2000  
Poster presentation at “191st Meeting of the American Astronomical Society,”  
Washington, D.C., January 1998

## **Peer Review Experience**

Referee, *The Astrophysical Journal*, 2002  
Referee, Canada-France-Hawaii Telescope Canadian Time Allocation Committee, 2002

## **Service to the Caltech Astronomy Department**

Member of graduate admissions committee, 2000  
Tour-guide of Palomar 200-inch telescope, 1999, 2001  
Coordinator of graduate student recruitment, 1998, 1999

## **Professional Affiliations**

Junior Member, American Astronomical Society, 1997-present

## **Computer Skills**

C, Perl, IRAF SPP, LateX/TeX, awk, SuperMongo