

Alice E. Shapley

UCLA Department of Physics and Astronomy
430 Portola Plaza
Box 951547
Los Angeles, CA 90095-1547

aes@astro.ucla.edu
Tel: (310) 206-3768
Fax: (310) 206-2096

Employment

Associate Professor, Department of Physics and Astronomy
University of California, Los Angeles, 2008 – present

Assistant Professor, Department of Astrophysical Sciences
Princeton University, 2005–2008

Miller Postdoctoral Fellow
University of California at Berkeley, 2003–2005

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 and chemical evolution at high redshift
Evolution of the inter-galactic medium at high redshift

Awards and Honors

David and Lucile Packard Fellow, 2006–2011
Alfred P. Sloan Research Fellow, 2006–2008
Invited Participant, German-American Beckman Frontiers of Science Symposium, 2003
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:

- Principal investigator: Cycle 14 Hubble Space Telescope (ACS) program (20 orbits); Cycle 15 Hubble Space Telescope (NICMOS) program (28 orbits)
- Palomar 200-inch telescope (COSMIC, LFC)
- Keck Observatory (LRIS, HIRES, ESI, NIRC, NIRSPEC)
- Very Large Telescope (ISAAC)
- Gemini-South Telescope (GNIRS)
- Hubble Space Telescope (WFPC2, ACS, NICMOS)
- Spitzer Space Telescope (IRAC)

Peer Review Experience

Referee, 2002–2008: *The Astrophysical Journal*, *The Astrophysical Journal Letters*, *Astronomy & Astrophysics*, *Astronomy & Astrophysics Letters*, *Monthly Notices of the Royal Astronomical Society*, *Proceedings of the Astronomical Society of Australia*, *Publications of the Astronomical Society of Japan*

Member, Spitzer Space Telescope Cycle 4 Time Allocation Committee, Spring 2007

Member, NOAO Time Allocation Committee, Spring 2005–Fall 2008

Member, Hubble Space Telescope Cycle 14 Time Allocation Committee, Spring 2005, 2008

Member, UC/Keck Time Allocation Committee, Spring 2008

Referee, Canada-France-Hawaii Telescope Canadian Time Allocation Committee, 2002–2004

Teaching Experience

Princeton SCS Summer School on Galaxy Clusters, June 2006

Astronomy 204, Introductory Undergraduate Course for Majors, Spring 2007

Astronomy 542, Graduate Seminar, Spring 2006

Astronomy 105, Introductory Undergraduate Course for Non-majors, Fall 2005

Scientific Organizing Committees

“Galaxy Growth In a Dark Universe,” Heidelberg, July 2007

“Searching for Strong Lenses in Large Imaging Surveys” Workshop, Fermilab, June 2007

“The Impact of AGN Feedback on Galaxy Evolution: Theoretical Modelling and Observational Signatures,” Schloss Ringberg, May 2007

“Massive Galaxies over Cosmic Time,” Tucson, November 2006

Invited Presentations

Invited Seminar, McGill, April 2008
Colloquia, Hertzberg Institute of Astrophysics / UVic, March 2008
Colloquium, UCSC, February 2008
Invited Seminar, Yale, December 2007
Invited Seminar, Penn, November 2007
Invited Seminar, Institute for Advanced Study, October 2007
Colloquium, UMass, Amherst, October 2007
Invited Review at conference, “Astrophysics in the Next Decade: JWST and Concurrent Facilities,” Tucson, September 2007
Invited talk at workshop, “Science in the Era of TMT,” UC Irvine, July 2007
Invited Review at conference, “Galaxy growth in a dark Universe,” Heidelberg, July 2007
Invited Review at conference, “Tracing Cosmic Evolution with Clusters of Galaxies: Six Years Later,” Sesto, June 2007
Invited Astrophysics Seminar, SUNY Stony Brook, April 2007
Invited Astrophysics Seminar, Rutgers University, March 2007
ITC Colloquium, Harvard Center for Astrophysics, March 2007
Colloquium, CU-Boulder, January 2007
Invited Review, “Astrophysics Enabled by the Return to the Moon,” November 2006
Conference Summary, “Massive Galaxies over Cosmic Time II,” November 2006
Colloquium, Cornell University, October 2006
Joint NAO/Steward Observatory Colloquium, September 2006
Invited Review, IAU Symposium 235, “Evolution of Galaxies across the Hubble Time,” August 2006
Joint Astronomy Colloquium, MPA/MPE/ESO, May 2006
Colloquium, Penn State, March 2006
Invited Seminar, NYU, March 2006
ITC Colloquium, Harvard Center for Astrophysics, February 2006
Invited review at “New Views of the Universe” KICP Inaugural Symposium, December 2005
Colloquium, Space Telescope Science Institute, December 2005
Colloquium, Columbia University, November 2005
Colloquium, Institute of Astronomy, Cambridge, May 2005

Invited Astrophysics Seminar, UC Santa Barbara, April 2005
Colloquium, University of Chicago, December 2004
Invited review at conference, “The High Redshift Frontier,” Tucson, AZ, December 2004
Invited review at workshop, “The Role of Mergers and Feedback in Galaxy Evolution,” Schloss Ringberg, Bavaria, November 2004
Invited Seminar, Lawrence Livermore National Laboratory, September 2004
Invited review talk at Aspen Workshop on Star Formation in Galaxies, Aspen Center for Physics, July 2004
Invited Cosmology Seminar, Max Planck Institute for Extraterrestrial Physics, May 2004
Invited Review at the May Symposium, “Planets to Cosmology: Essential Science in Hubble’s Final Years,” Space Telescope Science Institute, May 2004
Invited Departmental Seminar, Harvard University Astronomy Department, February 2004
Invited Departmental Seminar, UC Berkeley, February 2004
Colloquium, University of Washington, February 2004
Colloquium, UC Santa Cruz, January 2004
Invited Seminar, Princeton, November 2003
Invited Cosmology Seminar, UC Davis, November 2003
Invited Oral Presentations at “Galaxy Formation: A Herculean Challenge”, Banff, Canada, November 2003
Cosmology Group Seminar, UC Berkeley, October 2003
Colloquium, UC Los Angeles, October 2003
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