

## Erik J. Tollerud

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CONTACT INFORMATION	Astronomy Department Yale University P.O. Box 208101 New Haven, CT 06520-8101 USA	<i>Phone:</i> 651-307-9409 <i>Fax:</i> 203-432-5048 <i>Email:</i> erik.tollerud@yale.edu
EDUCATION	<b>University of California, Irvine</b> Irvine, CA USA Ph.D., Physics and Astronomy, June 2012 Advisor: James Bullock Dissertation: "Local Group Dwarf Galaxies in the LCDM Cosmology: Theory Meets Observations" <b>University of California, Irvine</b> Irvine, CA USA M.S., Physics and Astronomy, June 2008 <b>University of Puget Sound</b> , Tacoma, WA USA B.S., Physics, May 2006	
HONORS AND AWARDS	Hubble Fellow, 8/2012-present Rodger Doxsey Travel Prize Honorable Mention, 219th AAS, 1/2012 Fletcher Jones Fellow, 9/2011 UC Irvine Graduate Dean's Dissertation Fellow, 6/2011 UC Irvine School of Physical Sciences Faculty Endowed Fellow, 5/2011 Chambliss Astronomy Achievement Student Award, 217th AAS, 1/2011 Optical Society of America Art in Science Award <sup>2</sup> , 11/2010 Publication Featured in Nature Research Highlights <sup>1</sup> , 9/2008 GAANN Fellow, 6/2008-6/2011 Coolidge Otis Chapman Honors Scholar, 6/2006 Nominated member of Sigma Xi, 5/2006 Thomas Malcolm & Hilda Enden Jack Physics Scholar, 6/2005	
RESEARCH	<b>Hubble Fellow</b> , 2009-present Yale University, Irvine, CA USA Marla Geha <b>Graduate Student Researcher</b> , 2009-2011 University of California, Irvine, CA USA Elizabeth Barton, James Bullock	

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<sup>1</sup><http://www.nature.com/nature/journal/v456/n7220/full/456284f>.

<sup>2</sup>visualization later featured in news media incl. MSNBC, AFP, Science Daily, nature.com

Research regarding Milky Way/Large Magellanic Cloud analogs in the Sloan Digital Sky Survey and near-field cosmology.

**Graduate Student Researcher**, 2007-present

University of California, Irvine, CA USA

James Bullock

Research on selection biases in the Sloan Digital Sky Survey for Milky Way Satellites, scaling relations of non-starforming stellar systems, and dynamical studies of Milky Way and M31 dSphs.

**Graduate Student Researcher**, 2007-2010

University of California, Irvine, Irvine, CA USA

Elizabeth Barton

Research on metallicities and evolution of Luminous Compact Blue Galaxies in the WIYN High Image Quality Indiana-Irvine Survey.

**Undergraduate Honors Thesis**, 2005-2006

University of Puget Sound, Tacoma, CA USA

James Bernhard

Stereoscopic visualization of complex three-dimensional physical systems and scientific concepts.

**NASA Space Grant Intern**, Summer 2005

Jet Propulsion Laboratory, Pasadena, CA USA

Michael Hecht

Designed data analysis software and performed instrument calibrations for MECA Instrument of Phoenix Mars Lander.

**microEP REU**, Summer 2004

University of Arkansas, Fayetteville, AK USA

John Shultz

Studied effects of anodic oxidation on quantum dot growth in molecular beam epitaxy.

TEACHING AND  
OUTREACH

**COSMOS Teaching Assistant**, 2007-2011

Managed project groups and gave lectures to science-oriented summer camp for California high school students.

**Public Lectures**, UC Irvine Observatory, 2008-2011

**UC Irvine Observatory Outreach Coordinator**, 2006-2008

Planned and executed nearly 100 outreach visits for K-12 schools.

Teaching Assistant, UC Irvine, Intro to Astronomy, 2008  
Teaching Assistant, UC Irvine, Physics of Music, 2007  
Teaching Assistant, UC Irvine, Intro to Astronomy, 2007  
Teaching Assistant, UC Irvine, Astronomy Lab, 2007  
Lab Assistant, Univ. of Puget Sound, University Physics, 2006  
Lab Assistant, Univ. of Puget Sound, Waves & Optics, 2005  
Lab Assistant, Univ. of Puget Sound, College Physics, 2005

SERVICE AND  
COMMITTEES

**Astropy Coordinating Committee**, 2011-present

Planning board member for project to consolidate python programming language utilities for astronomy.

**Yale Galaxy Lunch Organizer**, 2013-present

Organize weekly lunch talk/journal club section for faculty, postdocs, and grad students with extragalactic interests.

**Founder, Yale Organized Discussion of Astronomy**, 2012-present

Created weekly meeting for faculty, postdocs, and grad students to discuss recent results across Yale's subfields.

**Yale Astronomy Colloquium Organizer**, 2012-2013

Organize colloquium speaker's schedule, introduce seminar speakers before their talks.

**Associated Graduate Students of UCI Chief of Staff**, 2011

Representative on administrative committees, liaison to President.

**UCI Graduate Council Representative**, 2010-present

Representative to UC Irvine Academic Senate committee on graduate student curriculum development.

**Organizer for UC Irvine "READ" journal club**, 2009-present

Organized bi-weekly discussions of recent papers on ArXiv/astro-ph between graduate students, postdoctoral researchers, and faculty.

**Co-Organizer, Astronomy Graduate Seminar**, 2009-2010

Organized weekly talks by graduate students and postdocs.

**Founding Chair, UCI Physics Graduate Caucus**, 2007-2010

Created graduate student organization to provide peer advising and graduate student voice in departmental affairs.