

Dr. Erik J. Tollerud

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
EXPERIENCE	Hubble Fellow , 2012-present Yale University, New Haven, CT, USA Marla Geha Graduate Student Researcher , 2007-2012 University of California, Irvine, CA, USA James Bullock, Elizabeth Barton Honors Research Thesis , 2005-2006 University of Puget Sound, Tacoma, CA, USA James Bernhard NASA Space Grant Intern , Summer 2005 Jet Propulsion Laboratory, Pasadena, CA, USA Michael Hecht microEP REU , Summer 2004 University of Arkansas, Fayetteville, AK, USA John Shultz	
EDUCATION	University of California, Irvine 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" University of California, Irvine Irvine, CA, USA M.S., Physics and Astronomy, June 2008 University of Puget Sound , Tacoma, WA, USA B.S., Physics, Math, May 2006	
RESEARCH INTERESTS	Dwarf galaxy formation and evolution Near-field cosmology (esp. satellites as a probe of dark matter) Galaxy scaling relations Astronomy software development and organization	

OBSERVING
EXPERIENCE

Anglo-Australian Telescope
Keck Observatory (Telescopes I and II)
Palomar Hale Telescope
UCO/Lick Shane 3m Telescope
UC Irvine Observatory
WIYN Telescope

HONORS AND
AWARDS

PI observing time awarded:

Hubble Space Telescope, Keck Observatory, WIYN Telescope,
Palomar Hale Telescope

Authorea Fellow, 2014-present

Hubble Fellow, 8/2012-present

Fletcher Jones Fellow, 9/2011-6/2012

UC Irvine Graduate Dean's Dissertation Fellow, 6/2011 - 9/2011

UC Irvine School of Phys. Sci. Faculty Endowed Fellow, 5/2011

Chambliss Astronomy Achievement Award, 217th AAS, 1/2011

Optical Society of America Art in Science Award¹, 11/2010

Publication Featured in Nature Research Highlights², 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

TEACHING AND
OUTREACH

Co-supervisor/mentor

Graduate Students: Luis Vargas, Ana Bonaca, Lucas Viani
(Yale), John Phillips (UC Irvine). Undergraduate students:
Kareem El-Badry and Emily Sandford (Yale).

Speaker: Astro on Tap, New Haven

Public talks at BAR Restaurent and Nightclub in New
Haven, CT.

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, 2008-2012

UC Irvine Observatory Outreach Coordinator, 2006-2008

¹visualization later featured in news media incl. MSNBC, AFP, Science Daily,
nature.com

²<http://www.nature.com/nature/journal/v456/n7220/full/456284f.html>

Planned and executed nearly 100 outreach visits for K-12 schools, reaching roughly 3000 students. Maintained portable telescopes for observatory visitor nights.

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

MEMBERSHIPS,
SERVICE AND
COMMITTEES

Member, American Astronomical Society (AAS)

Member, American Assoc. for the Advancement of Science (AAAS)

Member, Sigma Xi

Journal Article Referee

Astrophysical Journal, Astronomy & Astrophysics, Monthly Notices of the Royal Astronomical Society

Astropy Coordinating Committee, 2011-present

Member of 3-person planning board for project to create Python programming language library for astronomy.

Panelist, Hubble Space Telescope Time Allocation Committee, 2014

Reviewed and voted on proposed small/medium GO time proposals for use of HST.

NASA Earth and Space Science Fellowship Program Reviewer, 2014

Reviewed and graded fellowship applications for graduate fellowship.

Yale Astronomy Colloquium Organizer, 2012-2014

Invite colloquium speakers, organize schedule, introduce colloquium speakers.

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.

Associated Graduate Students of UCI Chief of Staff, 2011

Representative on administrative committees, liaison to President.

UCI Graduate Council Representative, 2010-2012

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

Organizer for UC Irvine "READ" journal club, 2009-2012

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.