

CURRICULUM VITAE  
**JULIA M. COMERFORD**

601 Campbell Hall  
Astronomy Department  
University of California, Berkeley  
Berkeley, CA 94720-3411

Phone: (510) 642-5369  
Fax: (510) 642-3411  
Email: julie@astro.berkeley.edu

EDUCATION

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Ph.D. in Astrophysics, University of California, Berkeley	in progress
M.A. in Astrophysics, University of California, Berkeley	2004
A.B. in Astrophysical Sciences, <i>magna cum laude</i> , Princeton University	2002

FELLOWSHIPS & AWARDS

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AAS Chambliss Astronomy Achievement Award	2008
National Science Foundation Graduate Research Fellowship	2004 - 2007
Teaching Effectiveness Award, UC Berkeley	2006
American Association of Physics Teachers Outstanding Teaching Assistant	2005
Outstanding Graduate Student Instructor, UC Berkeley	2005
Bell Labs Graduate Research Fellowship	2002 - 2004
Sigma Xi book award	2002
Elected to Sigma Xi scientific research society	2002

REFEREED PUBLICATIONS

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1. “*Comparisons between Isothermal and NFW Mass Profiles for Strong-Lensing Galaxy Clusters*”  
Chenggang Shu, Binglu Zhou, Matthias Bartelmann, **Julia M. Comerford**, J.-S. Huang, & Yannick Mellier, 2008, ApJ, accepted
2. “*The Observed Concentration-Mass Relation for Galaxy Clusters*”  
**Julia M. Comerford** & Priyamvada Natarajan, 2007, MNRAS, 379, 190
3. “*Mass Distributions of Hubble Space Telescope Galaxy Clusters from Gravitational Arcs*”  
**Julia M. Comerford**, Massimo Meneghetti, Matthias Bartelmann, & Mischa Schirmer, 2006, ApJ, 642, 39
4. “*Constraining the Redshift  $z \sim 6$  Quasar Luminosity Function Using Gravitational Lensing*”  
**Julia M. Comerford**, Zoltán Haiman, & Joop Schaye, 2002, ApJ, 580, 63
5. “*Antibias in Clusters: The Dependence of the Mass-to-Light Ratio on Cluster Temperature*”  
Neta A. Bahcall & **Julia M. Comerford**, 2002, ApJ, 565, L5

## CONFERENCE PROCEEDINGS

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1. “*Dual Supermassive Black Holes in Galaxy Merger Remnants in DEEP2*”  
**Julia M. Comerford** & DEEP2 Team, 2007, American Astronomical Society Meeting 211, #52.01
2. “*Constraints on Elliptical Galaxy Formation from Dry Mergers*”  
**Julia M. Comerford**, Eliot Quataert, & Chung-Pei Ma, 2007, Galaxy Evolution Across the Hubble Time, Edited by F. Combes and J. Palous, Proceedings of the International Astronomical Union, IAU Symposium #235, held 14-17 August, 2006 in Prague, Czech Republic. Cambridge: Cambridge University Press, p.195
3. “*Mass Distributions of HST Galaxy Clusters from Gravitational Arcs*”  
**Julia M. Comerford**, Massimo Meneghetti, Matthias Bartelmann, & Mischa Schirmer, 2005, American Astronomical Society Meeting 207, #142.02; Bulletin of the American Astronomical Society, Vol. 37, p.1399

## INVITED TALKS

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University of California Santa Cruz, cosmology seminar speaker, October 29, 2007  
Princeton University, seminar speaker, May 31, 2007  
University of California Davis, cosmology seminar speaker, April 6, 2006

## CONFERENCE PRESENTATIONS

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Speaker, *Cosmology in Northern California*, Palo Alto, CA, April 18, 2008  
Poster, *Surveys and Simulations of Large-Scale Structure*, Berkeley, CA, January 16-18, 2008  
Poster, *American Astronomical Society Meeting 211*, Austin, TX, January 7-11, 2008  
Speaker, *AEGIS Meeting*, Tucson, AZ, December 6-7, 2007  
Speaker, *Galaxy Formation and Cosmology Theory*, Berkeley, CA, November 2, 2007  
Speaker, *Galaxy Formation and Structure Formation*, Palo Alto, CA, May 25, 2007  
Speaker, *Cosmology in Northern California*, Davis, CA, May 11, 2007  
Poster, *Astrophysical Probes of the Nature of Dark Matter*, Irvine, CA, March 22-24, 2007  
Poster, *Applications of Gravitational Lensing*, Santa Barbara, CA, October 3-6, 2006  
Poster, *Galaxy Evolution over a Hubble Time* at the International Astronomical Union, Prague, Czech Republic, August 14-17, 2006  
Speaker, *Cosmology in Northern California*, Berkeley, CA, May 22, 2006  
Poster, *American Astronomical Society Meeting 207*, Washington, DC, January 8-12, 2006

## TEACHING EXPERIENCE

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Instructor, <i>Introduction to General Astronomy</i> (Astronomy 10), UC Berkeley	2007
Instructor, <i>Research Presentation in Astronomy</i> (Astronomy 199), UC Berkeley	2004 - 2006
Graduate Student Instructor, <i>Introduction to Astrophysics</i> (Astronomy 7B), UC Berkeley	2003
Graduate Student Instructor, <i>Introduction to General Astronomy</i> (Astronomy 10), UC Berkeley	2002
Course Assistant, <i>The Universe</i> (Astrophysical Sciences 203), Princeton University	2001, 2002