

DEVDEEP SARKAR

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Research Interest	Theoretical Cosmology and Astrophysics: Dark Energy, Gravitational Lensing, Supernovae, Non-Gaussianity, Cosmic Microwave Background, Gravitational Waves, Velocity Fields.	
Current Position	Postdoctoral Research Fellow With Prof. Dragan Huterer at the Physics Department, University of Michigan, Ann Arbor	2009 - Present
Education	University of California, Irvine Ph.D. in Physics Thesis: <i>“Cosmological Explorations: From Primordial Non-Gaussianity to Dynamical Dark Energy”</i>	2006 - 2009 Advisor: Prof. Asantha Cooray
	University of Kansas M.S. in Physics with Honors	2003 - 2006 Advisor: Prof. Hume Feldman
	Indian Institute of Technology, Kanpur (IITK) M.Sc. in Physics	2001 - 2003
	St. Xavier’s College, University of Calcutta, India B.Sc. in Physics	1998 - 2001
	Prize for the Best Student Talk 8 th Annual Theoretical Astrophysics in Southern California (TASC) Meeting	2008
Awards and Honors	Regents’ Fellowship 2-Yr. Fellowship at UC Irvine	2006 - 2008
	Sigma-Xi Certificate of Membership	2007
	Phi Beta Delta Certificate of Membership	2005
	Phi Kappa Phi, Sigma Pi Sigma Certificate of Membership	2005
	Travel Awards Canadian-American-Mexican Conference(s) and APS Meeting	2005 - 2007
	Best M.Sc. Project Award Indian Institute of Technology, Kanpur (IITK)	2003
	Gold Medal and Certificate of Merit National Graduate Physics Examination, India	2001
	National Merit Scholarship, Calcutta University 6 th Rank in B.Sc. Physics Honors out of more than 600 Physics Majors	2001

Invited Talks/ Scientific Presentations	Dark Energy Conference, GGI, Florence, Italy <i>Running After $w(z)$: The Stumbling Blocks</i>	Mar 2009
	Cosmology Seminar; Department of Physics, University of Oxford <i>Probing Dark Energy and Non-Gaussianity: How well can we do?</i>	Jan 2009
	Astro Talk; Institute of Astronomy, University of Cambridge <i>Measuring Primary CMB Bispectrum: The Role of the Clumpy Universe</i>	Jan 2009
	CASS Astrophysics Seminar; University of California, San Diego <i>Probing Dark Energy and Non-Gaussianity: How well can we do?</i>	Jan 2009
	Astrophysics Talk; University of Michigan, Ann Arbor <i>From Microwave to Gravity Waves: The Role of Gravitational Lensing</i>	Jan 2009
	213th American Astronomical Society (AAS) Meeting; Long Beach <i>Probing Dark Energy: Theoretical Uncertainties</i>	Jan 2009
	24th TEXAS Symposium on Relativistic Astrophysics; Vancouver <i>Running After $w(z)$: The Stumbling Blocks</i>	Dec 2008
	Cosmology Lunch Seminar; McWilliams Center, Carnegie Mellon <i>A Journey through the Clumpy Universe</i>	Nov 2008
	Tea Talk; KIPAC, Stanford University <i>Measuring Dark Energy and Non-Gaussianity: Things To (Not to?) Worry About</i>	Nov 2008
	Astrophysics Seminar; UC Santa Barbara <i>Prospects for Probing Dark Energy & Primordial Non-Gaussianity: How well can we do?</i>	Nov 2008
	8th TASC Meeting; UC Irvine <i>Weak Lensing of the Primary CMB Bispectrum</i>	Oct 2008
	High Energy Physics Seminar; Kansas State University <i>A Journey through the Clumpy Universe</i>	Oct 2008
	Astrophysics Seminar; UC Irvine <i>Cosmic Shear from Scalar-Induced Gravitational Waves</i>	Oct 2008
	Cosmology Seminar; UC Berkeley <i>Measuring Dark Energy and Non-Gaussianity: Things To (Not to?) Worry About</i>	Sep 2008
	Cosmology Workshop; IUCAA, Pune, India <i>Probing the Dark Sector</i>	Aug 2008
	Astrophysics Seminar; Drexel University <i>Shedding Light on the Dark Sector</i>	May 2008

Invited Talks/ Scientific Presentations	Mike Turner Symposium; UC Irvine <i>Beyond Two Dark Energy Parameters</i>	Feb 2008
	7th TASC Meeting; UC Los Angeles <i>Two Dark Energy Parameters? or More?</i>	Nov 2007
	CAM 2007; McGill University, Montreal, Canada <i>Effect of Weak Lensing on Parameter Estimation from Supernova Observations</i>	Aug 2007
	6th TASC Meeting; UC Santa Barbara <i>Lensing of Supernovae</i>	Oct 2006
	CAM 2005; San Diego <i>Are Recent Velocity Surveys Consistent?</i>	Aug 2005
	Astrophysics Seminar; University of Kansas <i>The Physics and Applications of the Sunyaev-Zeldovich Effect (SZE)</i>	Aug 2004
Poster Presentation	APS April Meeting; Tampa, Florida <i>Are Different Velocity Surveys Consistent with Each Other?</i>	Apr 2005
Workshops/ Symposiums	The Galileo Galilei Institute of Theoretical Physics, Florence New Horizons for Modern Cosmology	Feb-Mar 2009
	Santa Fe Cosmology Summer Workshop Theoretical and observational advances in various topics of cosmology	June-July 2008
	Spring Symposium, STScI, Baltimore, MD A Decade of Dark Energy	May 2008
	4th UC Irvine Center for Cosmology Workshop On Galaxy Formation and Evolution as Revealed by Cosmic Gas	April 2008
	3rd UC Irvine Center for Cosmology Workshop On Astrophysical Probes of the Nature of Dark Matter	March 2007
	Santa Fe Cosmology Summer Workshop Computational and observational advances in various fields of cosmology	July 2006
	Santa Fe Cosmology Summer Workshop Theoretical and observational advances in various topics of cosmology	July 2004
Memberships	American Physical Society (APS) and American Astronomical Society (AAS) Active Member since 2005	

Teaching Experience	Introduction to C & Numerical Analysis Course P53, UCI: Discussion Sessions, Grading as TA	Spring 2007
	Introduction to Cosmology Course P137, UCI: Discussion Sessions, Grading as TA	Winter 2007
	Extragalactic Astrophysics Course P138, UCI: Discussion Sessions, Grading as TA	Winter 2007
	Space Science Course P20D, UCI: Discussion Sessions, Grading as TA	Fall 2006
	Physics III Course P3C, UCI: Discussion Sessions, Grading as TA	Fall 2006
	General Physics III Lab Course PHSX 313, KU: Conducted Labs, Grading as Head TA	Fall 2004 - Spring 2006
Professional Activities	Organizer; Astro Grad Seminar, UC Irvine Weekly meeting of graduate students and postdoctoral researchers	Fall 2008 - Spring 2009
Outreach	Robotics Trained high school students for Robotics competitions	
Skills	Operating Systems Comfortable with UNIX, LINUX, MAC, Windows	
	Languages Proficient in C, Fortran 90, Fortran 77, PERL	
	Software Packages Adept at using IDL, SuperMongo, GNUPlot, Mathematica, Maple	
Nationality	Indian	