

# STANIMIR A. METCHEV – CURRICULUM VITAE

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## EDUCATION

2006 Ph.D.	<b>California Institute of Technology</b> Advisor: Prof. Lynne Hillenbrand	Astrophysics
1999 A.B.	<b>Harvard University</b> Advisor: Prof. Jonathan Grindlay	Astronomy & Astrophysics and Physics

## PROFESSIONAL POSITIONS

2008–present	<b>SUNY Stony Brook</b>	Assistant Professor, Department of Physics & Astronomy
2005–2008	<b>UCLA</b>	Postdoctoral Research Fellow

## FELLOWSHIPS and HONORS

2005–2008	<b>UCLA</b>	Spitzer Postdoctoral Fellowship
1999	<b>Harvard University</b>	A.B. <i>Magna cum laude</i>
1995–1999	<b>Harvard University</b>	Harvard College Scholarship, full tuition

## PROFESSIONAL SERVICE

Spring 2009	<b>SUNY Stony Brook</b> , member of New Faculty orientation panel
2009–present	<b>SUNY Stony Brook</b> , Department of Physics & Astronomy: member of Graduate Admissions and Research Facilities committees
2009–present	Time Allocation Committees: Spitzer Space Telescope
2006–present	Proposal Review Committees: Subaru, Spitzer, Hubble, LLNL IGPP
2003–present	Referee: Science, The Astrophysical Journal, Astronomy & Astrophysics, Astronomische Nachrichten

## RESEARCH GRANTS

2007–present	<b>Spitzer</b> GO 40489 / <b>Hubble</b> GO 11304	PI, \$89k “The L/T Transition in the Photospheres of Young Sub-Stellar Companions”
2006–present	<b>Hubble</b> GO 10849	PI, \$248k “Imaging Scattered Light from Debris Disks Discovered by Spitzer around 21 Sun-like Stars”
2006–present	<b>Hubble</b> GO 10847	CoI, \$200k (approx.) “Coronagraphic Polarimetry of HST-Resolved Debris Disks”
2005–2008	<b>Spitzer</b> DDT 224 (Spitzer Fellowship award)	PI, \$283k “Circumstellar Disks and Sub-Stellar Objects”
2005–2007	<b>Hubble</b> GO 10527	CoI, \$228k

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2005–2007    **Spitzer** GO 30500    “Imaging Scattered Light from Debris Disks Discovered by Spitzer around 20 Sun-like Stars”  
CoI, \$100k (approx.)  
“FEPS Follow-Up. II: MIPS Photometry”

## TEACHING

Spring 2009    **SUNY Stony Brook**    *Graduate Instructor*  
Physics 688: *From Brown Dwarfs to Giant Planets* — designed a new course  
Physics 599: *Graduate Physics Seminar*

2002–2003    **Caltech**    *Laboratory Teaching Assistant*  
Astronomy 122: *Astronomical Instrumentation*

2002    **Caltech**    *Teaching Assistant*  
Astronomy 1: *The Evolving Universe* — gave a weekly lecture to non-astronomy majors

## MENTORING

2009–present    **SUNY Stony Brook**    *Undergraduate Research Mentor*  
Mentoring on-going research for two undergraduate students: Ms. Amanda White (a summer REU student) and Mr. Justin Bird (a Stony Brook undergraduate).

2007–2008    **UCLA**    *Undergraduate Research Mentor*  
Mentored research projects for two undergraduate students: Ms. Tiffany Meshkat and Mr. Alfonse Pham. Tiffany’s work was acknowledged in a publication in the *Astrophysical Journal*. Alfonse’s was been presented in a poster at the 2007 Keck Science Meeting. Both have since gone on to graduate school: at Leiden University (in Astronomy) and at Indiana University Bloomington (in Physics), respectively.

2006–2007    **UCLA**    *Graduate Research Co-mentor*  
Co-supervised a graduate student, Mr. Michael McElwain, on a research project that led to a publication in the *Astrophysical Journal*.

## INVITED TALKS

April 18, 2009	<b>Astronomical Society of New York</b>	Invited Speaker
April 9, 2009	<b>Cornell University</b>	Astronomy Colloquium
Oct 29, 2008	<b>University of California, Los Angeles</b>	Astronomy Colloquium
Sep 30, 2008	<b>American Museum of Natural History</b>	Astronomy Seminar
Aug 22, 2008	<b>University of California, Santa Cruz</b>	California Postdoctoral Symposium
Mar 31, 2008	<b>University of Exeter, UK</b>	Physics & Astronomy Seminar
Mar 10, 2008	<b>University of Rochester</b>	Astrophysics Seminar
Mar 4, 2008	<b>University of Georgia</b>	Astrophysics Colloquium
Jan 22, 2008	<b>SUNY Stony Brook</b>	Astrophysics Colloquium
Dec 19, 2007	<b>Yale University</b>	Astrophysics Colloquium
Mar 15, 2007	<b>NASA Jet Propulsion Laboratory</b>	Astrophysics Colloquium
Oct 27, 2006	<b>Lawrence Livermore National Laboratory</b>	Astrophysics Colloquium

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Feb 21, 2006	<b>California Institute of Technology</b>	Geology & Planetary Science Colloquium
Apr 12, 2004	<b>NASA Jet Propulsion Laboratory</b>	Astrophysics Luncheon Seminar
Apr 11, 2003	<b>University of California, San Diego</b>	Astrobiology Journal Club

## OUTREACH

2008	<b>SUNY Stony Brook, NY</b>	<i>Presenter</i>
	<i>Astronomy Open Night: gave an overview lecture on planet formation to the general public</i>	
2007	<b>Ventura County Astronomy Club, CA</b>	<i>Guest Lecturer</i>
	<i>Gave an overview lecture of star and planet formation to amateur astronomers.</i>	
2006	<b>UCLA Planetarium</b>	<i>Presenter</i>
	<i>Gave presentations to middle and high-school students in the UCLA planetarium.</i>	
2006	<b>St. Anne Catholic School, Santa Monica, CA</b>	<i>Career Day Speaker</i>
	<i>Presented an engaging overview of the career of a professional astronomer to 10–16 year old students.</i>	
2002	<b>Palomar Observatory, CA</b>	<i>Tour Guide</i>
	<i>Gave organized tours to schoolchildren and to the general public.</i>	

## LEADERSHIP

2006–2008	<b>UCLA, Department of Physics &amp; Astronomy</b>	<i>Discussion Group Organizer</i>
	<i>Organized a weekly discussion group, Astronomy Coffee, on topical subjects in astronomy.</i>	
2000	<b>Navy Regiment 48130, Varna, Bulgaria</b>	<i>Detachment Commander</i>
	<i>Commanded a detachment of 12 Navy conscripts in military training exercises.</i>	
1997–1999	<b>Harvard</b>	<i>Varsity Team Captain</i>
	<i>Lead the mens' varsity cross-country ski team for two consecutive Division I race seasons.</i>	

## PERSONAL

2008–present	Permanent resident alien (green card holder).
1999–2000	Mandatory military service in the Bulgarian Navy, regiment 48130.