

# Hilke Elisabeth Schlichting

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## Education & Employment

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2010-present Hubble Postdoctoral Fellow, University of California, Los Angeles  
2009-2010 Postdoctoral Fellow, Canadian Institute for Theoretical Astrophysics  
2004-2009 Ph.D., Astrophysics, California Institute of Technology, 2009  
Subject: *Understanding the Origin of Planetary Systems: Studying the Kuiper Belt and the Dynamics of Planet Formation*, Advisor: Re'em Sari  
2000-2004 B.A. & M.S., Physics, University of Cambridge, 2004

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## Scholarships & Awards

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May 2012 Chancellor's Award for Exceptional Accomplishments in Postdoctoral Research, *University of California, Los Angeles, USA*  
Feb. 2010 Hubble Fellowship  
Feb. 2008 Best Poster Prize, *WE-Heraeus Physics School* on "The Early Phase of Planet Formation", *Bad Honnef, Germany*  
Oct. 2004 Reed-Fellowship, *California Institute of Technology, Pasadena, USA*  
July 2004 New Hall Scholarship, *New Hall, University of Cambridge, UK*  
Jun. 2004 Fellow of the Cambridge European Society, *Cambridge European Trust, UK*  
Nov. 2003 Studienstiftung des deutschen Volkes, *Bonn, Germany*  
July 2001 European Trust Bursary, *Cambridge European Trust, Cambridge, UK*

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## Professional Service

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2011- HST TAC, Reviewer for: NASA, The Israel Science Foundation, The French Research Agency  
2011- 2012 Organizer, Planet & Exoplanet Discussion Group, UCLA  
2008- Referee for *ApJ*, *AJ*, *Icarus* and *MNRAS*  
2008 Graduate Student Admissions Committee for the Astrophysics program at Caltech

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## Grants & Observing Proposals

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2013 DECam (3 nights), Co-I, A *DECam search for Centaurs: Probing planetary formation in the outer Solar System*  
2012 ALMA Cycle 1, Co-I, Who Stirs the Pot? Dynamics of Edge-on Debris Disks  
2012 HST grant # 13031 (cycle 20), Co-I, *Testing Collisional Grinding in the Kuiper Belt*: \$18,000  
2011 HST grant # 12468 (cycle 19), Co-I, *How fast did Neptune Migrate? A Search for cold red resonant binaries*  
2010 HST grant # 12154 (cycle 18), PI, *Measuring the Kuiper Belt Size Distribution using Stellar Occultations*: \$62,000  
2008 HST grant # 11766 (cycle 17), Co-I, *Measuring the size distribution of small Kuiper belt objects using FGS*: \$116,000

## Other Research & Teaching Experience

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- 2011-2010-2003 Visitor in Astrophysics, California Institute of Technology  
Exoplanets Rising, KITP workshop, UCSB, Santa Barbara, 26<sup>th</sup> April – 28<sup>th</sup> May  
Summer Undergraduate Research Fellow, California Institute of Technology
- Dec. 2010 Invited public talk, Astronomy & Space Exploration Society, University of Toronto
- Dec. 2009 Taught introductory planet formation class at the Winter Workshop on Planetary Astrophysics, KIAA, Peking University, Beijing
- 2005-2006 Teaching assistant at Caltech, academic year 2005/2006 for Ay1 *The evolving Universe*, Ay101 *Physics of Stars*, Ay126 *Interstellar Medium*

## Selection of Invited Talks & Colloquia

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- Mar. 2013 *Planet Formation and the Solar System*, CAS Seminar, Johns-Hopkins University
- Feb. 2013 *Recent Insights into Planet Formation*, Joined ESO/MPA/MPE/USM Astronomy Colloquium, Garching, Germany
- Nov. 2012 *Recent Insights into Planet Formation & Debris Disks*, ITC-Colloquium, Harvard-Smithsonian Center for Astrophysics
- Oct. 2012 *Recent Insights into Planet Formation*, EPS Centers Seminar, UC Santa Cruz
- Apr. 2012 *Recent Insights into Planet Formation & Debris Disks*, Earth and Space Science Colloquium, UCLA
- Mar. 2012 Observing Planetary Systems II, ESO, Santiago, Chile
- Mar. 2012 *Recent Insights into Planet Formation*, Colloquium, MIT
- Feb. 2012 *Recent Insights into Planet Formation*, Planetary Science Seminar, Caltech
- Feb. 2012 *What the Solar System tells us about Planet Formation*, Colloquium, Northern Arizona University
- Dec. 2011 *Recent Insights into Planet Formation*, Colloquium, University of Illinois at Urbana-Champaign
- Nov. 2011 *Recent Insights into Planet Formation*, Astronomy Colloquium, UCLA
- Sep. 2011 *What the Solar System tells us about Planet Formation*, Colloquium, University of Toronto
- Sep. 2011 The Future of Astronomy Conference, Northwestern University
- Apr. 2011 *Runaway Growth During Planet Formation*, TAC Seminar, UC Berkeley
- Feb. 2011 *What the Solar System tells us about Planet Formation*, CASS Seminar, UC San Diego
- Sep. 2010 *The missing link between the Kuiper Belt & other debris disks*, Colloquium, University of Texas at Austin
- June 2010 Trans Neptunium Objects 2010, Philadelphia
- May 2010 Nix & Hydra Workshop, STScI, Baltimore
- Apr. 2010 *Collisions in the Kuiper Belt*, Colloquium, The Carnegie Observatories, Pasadena
- Mar. 2010 *Occultations in the Kuiper Belt and what they tell us about our Solar System*, ITC-Colloquium, Harvard-Smithsonian Center for Astrophysics
- Jan. 2010 New Horizons Science Team Meeting, APL, Laurel
- Dec. 2009 *Collisions in the Kuiper Belt - providing the missing link between the Kuiper Belt and other debris disks*, Seminar, KIAA, Peking University, Beijing
- Oct. 2009 *Collisions in the Kuiper Belt*, Seminar, UCLA
- Feb. 2009 *Binaries and Small Objects in the Kuiper Belt*, Colloquium, SwRI
- Feb. 2009 Solar-Extrasolar Meeting, 2009 NASA Ames, Mountain View
- Jan. 2009 *Planetary Spins, Kuiper Belt Objects & Binaries*, Seminar, Canadian Institute for Theoretical Astrophysics

## Selection of Contributed Talks

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Mar. 2013	Hubble Fellows Symposium, Space Telescope Science Centre
Jan. 2013	AAS
Nov. 2012	Theoretical Astrophysics in Southern California Meeting, Carnegie Observatories, Pasadena
June 2012	Goldschmidt Conference, Montreal, Canada
May 2012	Asteroids, Comets, Meteors 2012, Niigata, Japan
Sep. 2011	Extreme Solar Systems II, Jackson
Mar. 2011	Hubble Fellows Symposium, Pasadena
Oct. 2010	Science with the Hubble Space Telescope – III, Venice, Italy