

Curriculum Vitae - John H. Debes, IV

Carnegie Institution of Washington
Department of Terrestrial Magnetism
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Education:

Ph. D. Astronomy, Pennsylvania State University, August, 2005 Thesis *Digging in the Stellar Graveyard for Extrasolar Planets* Advisor: Prof. Steinn Sigurdsson

B.A., Physics with Honors, Johns Hopkins University, 1999

Employment:

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| Research Associate, Carnegie Institution of Washington | 2005 |
| Research Assistant, Pennsylvania State University | 2004-2005 |
| NASA GSRP fellow, Pennsylvania State University | 2001-2004 |
| Research Assistant, Pennsylvania State University | 2000-2001 |
| Teaching Assistant, Pennsylvania State University | 1999-2000 |

Proposals and Awards:

| | |
|---|----------------|
| Co-I, HST Cycle 15 Program 10857, Award amount: TBD | |
| PI, HST Cycle 14 Program 10560, Award amount: \$12,223 | |
| PI, Spitzer Cycle 1 Program 3655, Award amount: \$38,000 | |
| PI, HST Cycle 12 Program 9834, Award amount: \$54,642 | |
| PI, NOAO Gemini Program GN-2005A-Q-69 | |
| PI, NOAO Gemini Program GN-2004B-DD-9 | |
| PI, HET Programs PSU03-3-038, PSU04-2-010 | |
| Co-I, CFHT Programs 2003B-H42A, 2004A-H59A, 2004B-H53A | |
| SPIE Scholarship Award, Award amount: \$2,500 | 2003-2004 |
| Pennsylvania Space Grant Fellow, Award amount: \$5,000 | 2002-2004 |
| Zaccheus Daniel Supplemental Scholarship | 2001,2002,2004 |
| NASA Graduate Student Research Program Fellow | 2001-2004 |
| Penn State Braddock Graduate Fellowship, Award amount: \$4000 | 1999-2001 |

Refereed Papers:

Debes, J. H. Measuring M Dwarf Winds with DAZs, 2006 ApJ, in press

Debes, J. H., et al., Detection of a Variable Infrared Excess Around SDSS 121209.31+013627.7, 2006 ApJL 647 147

- Debes, J. H., Sigurdsson, S., The Nature of the Substellar Companion to GQ Lup, 2006 A&A 451 351
- Debes, J. H., Ge, J., Ftaclas, C., Cool Customers in the Stellar Graveyard III: Limits to Substellar Objects around Nearby White Dwarfs, 2006 AJ 131 640
- Debes, J. H., Sigurdsson, S., & Woodgate, B., Cool Customers in the Stellar Graveyard II: Limits to Extrasolar Planets Around Nearby DAZ White Dwarfs, 2005 AJ 130 1221
- Debes, J. H., Sigurdsson, S., & Woodgate, B., Cool Customers in the Stellar Graveyard I: Limits to Extrasolar Planets Around G 29-38, 2005 ApJ 633 1168
- Debes, J. H. & Ge, J., High-Contrast Imaging with Gaussian Aperture Pupil Masks, 2004 PASP 116 674
- Debes, J. H., Ge, J., Kuchner, M., Rogosky, M., Using Notch-Filter Masks for High Contrast Imaging of Extrasolar Planets, 2004 ApJ 608 1095
- Chakraborty, A., Ge, J. & Debes, J. H., Nature of Companions of G Type Stars Using Adaptive Optics 2002 AJ 124 1127
- Debes, J. H., Ge, J. & Chakraborty, A., First High Contrast Imaging Using a Gaussian Aperture Pupil Mask, 2002 ApJ 572 L165
- Debes, J. H. & Sigurdsson, S., Are There Unstable Planetary Systems Around White Dwarfs?, 2002 ApJ 572 556

Conference Proceedings

- Debes, J. H., Sigurdsson, S., & Woodgate, B. 2004, *Astrobiology*, 4, 232
- Debes, J. H., Ge, J., Kuchner, M., & Rogosky, M. 2003, *Proc. SPIE*, 5170, 57
- Ge, J., Debes, J. H., McDavitt, D. L., Miller, S., & Bernecker, J. L. 2003, *Proc. SPIE*, 4850, 764
- Ge, J., Chakraborty, A., Debes, J. H., Ren, D., & Friedman, J. 2003, *Proc. SPIE*, 4841, 1503
- Debes, J. H., Ge, J., Mandelowitz, C., & Watson, A. 2003, *Proc. SPIE*, 4860, 138
- Debes, J. H. & Ge, J. 2003, *ASP Conf. Ser. 294: Scientific Frontiers in Research on Extrasolar Planets*, 629
- Debes, J. H. & Sigurdsson, S. 2002, *Astrobiology* 2, 645
- Ge, J., Debes, J. H., Watson, A., & Chakraborty, A. 2002, *Proc. SPIE*, 4835, 87

Colloquia, Contributed Talks

- NASA Goddard Space Flight Center, Colloquium, 12/06
- EuroWD 2006, Leicester, UK, Contributed Talk, 8/06
- AbSciCon 2006, Washington, DC, Contributed Talk, 3/06
- 205th AAS Meeting, San Diego, Thesis Talk, 1/05
- Carnegie Institution of Washington, Department of Terrestrial Magnetism, Colloquium, 10/04
- BioAstronomy 2004, Reykjavik, Contributed Talk, 7/04
- SPIE's 48th Annual Meeting, San Diego, Contributed Talk, 8/03
- SPIE's Astronomical Telescopes and Instrumentation, Contributed Talk, 8/02

Villanova University, Department of Astronomy, Colloquium, 3/02

Public Outreach, Service

Participant, CNSF lobbying effort 9/06

Co-coordinator Penn State BioDays 2004,2005

Volunteer, Penn State AstroFest 2000-2005

Teacher at Penn State University Kid's College, 2003

Volunteer for Penn State High School Teacher's workshops 2001,2002