

# John P. Subasavage, Jr.

## Education

- 2007      **Ph.D. in Astronomy**  
Georgia State University, Atlanta, GA  
Graduate Advisor: Todd J. Henry
- 2005      **M.S. in Physics**  
Georgia State University, Atlanta, GA  
Graduate Advisor: Todd J. Henry
- 2000      **B.A. in Astronomy/Economics**  
University of Virginia, Charlottesville, VA  
Undergraduate Advisors: Steven R. Majewski & Phil A. Ianna

## Professional History

- 2009      **SMARTS/CTIO Fellow**  
Cerro Tololo Inter-American Observatory
- 2007      **SMARTS Fellow**  
Georgia State University
- 2002      **Graduate Teaching Assistant**  
Georgia State University

## External Funding -- Continuing

- 2009-2010      Received as Principal Investigator  
*Binaries at the Extremes of the H-R Diagram*  
\$25,031 from the Space Telescope Science Institute
- 2006-2010      Received as Principal Investigator  
*Calibrating Cosmological Chronometers: White Dwarf Masses*  
\$134,560 from the Space Telescope Science Institute

## External Funding -- Concluded

- 2008-2009      Received as Principal Investigator  
*SIM's Search for Planets Orbiting White Dwarfs*  
\$25,000 from the NASA Exoplanet Science Institute
- 2005-2008      Received as Co-Investigator (PI: Todd J. Henry, GSU)  
*The RECONS Investigation of the Solar Neighborhood*  
\$522,966 from the National Science Foundation

## Honors

2007      **Outstanding Advanced Graduate Student Award**  
Georgia State University

## Refereed Journal Publications

22. Subasavage, J. P., Jao, W.-C., Henry, T. J., Bergeron, P., Dufour, P., Ianna, P. A., Costa, E., & Méndez R. 2009, AJ, 137, 4547, *The Solar Neighborhood. XXI. Parallax Results from the CTIO 0.9m Program: 20 New Members of the 25 Parsec White Dwarf Sample*
21. Subasavage, J. P., Henry, T. J., Bergeron, P., Dufour, P., & Hambly, N. C. 2008, AJ, 136, 899, *The Solar Neighborhood. XX. Discovery and Characterization of 21 New Nearby White Dwarf Systems*
20. Jao, W.-C., Henry, T. J., Beaulieu, T. D., & Subasavage, J. P. 2008, AJ, 136, 840, *Cool Subdwarf Investigations (CSI). I. New Thoughts for the Spectral Types of K and M Subdwarfs*
19. Holberg, J. B., Sion, E. M., Oswalt, T., McCook, G. P., Foran, S., & Subasavage, J. P. 2008, AJ, 135, 1225, *A New Look at the Local White Dwarf Population*
18. Subasavage, J. P., 2007, PASP, 119, 1345, *White Dwarfs in the Solar Neighborhood*
17. Gizis, J. E., Jao, W.-C., Subasavage, J. P., & Henry, T. J. 2007, ApJL, 669, L45, *The Trigonometric Parallax of the Brown Dwarf Planetary System 2MASSW J1207334-393254*
16. Subasavage, J. P., Henry, T. J., Bergeron, P., Dufour, P., Hambly, N. C., & Beaulieu, T. D. 2007, AJ, 134, 252, *The Solar Neighborhood. XIX. Discovery and Characterization of 33 New Nearby White Dwarf Systems*
15. Finch, C. T., Henry, T. J., Subasavage, J. P., Jao, W.-C., & Hambly, N. C. 2007, AJ, 133, 2898, *The Solar Neighborhood. XVIII. Discovery of New Proper Motion Stars with  $0.40'' \text{ yr}^{-1} > \mu \geq 0.18'' \text{ yr}^{-1}$  Between Declinations  $-90^\circ$  and  $-47^\circ$*
14. Grundstrom, E. D., Blair, J. L., Gies, D. R., Huang, W., McSwain, M. V., Raghavan, D., Riddle, R. L., Subasavage, J. P., Wingert, D. W., Levine, A. M., & Remillard, R. A. 2007, ApJ, 656, 431, *Joint H $\alpha$  and X-Ray Observations of Massive X-Ray Binaries. I. The B Supergiant System LS I +65 010 = 2S 0114+650*
13. Henry, T. J., Jao, W.-C., Subasavage, J. P., Beaulieu, T. D., Ianna, P. A., Costa, E., & Méndez, R. A. 2006, AJ, 132, 2360, *The Solar Neighborhood, XVII. Parallax Results from the CTIO 0.9m Program: 20 New Members of the RECONS 10 Parsec Sample*
12. Costa, E., Méndez, R. A., Jao, W.-C., Henry, T. J., Subasavage, J. P., & Ianna, P. A. 2006, AJ, 132, 1234, *The Solar Neighborhood. XVI. Parallaxes from CTIOPI: Final Results from the 1.5 m Telescope Program*

11. Raghavan, D., Henry, T. J., Mason, B. D., Subasavage, J. P., Jao, W.-C., Beaulieu, T. D., & Hambly, N. C. 2006, ApJ, 646, 523, *Two Suns in The Sky: Stellar Multiplicity in Exoplanet Systems*
10. Monteiro, H., Jao, W.-C., Henry, T. J., Subasavage, J. P., & Beaulieu, T. D. 2006, ApJ, 638, 446, *Ages of White Dwarf-Red Subdwarf Systems*
9. Subasavage, J. P., Henry, T. J., Hambly, N. C., Brown, M. A., Jao, W.-C., & Finch, C. T. 2005, AJ, 130, 1658, *The Solar Neighborhood. XV. Discovery of New High Proper Motion Stars with  $\mu \geq 0.4'' \text{ yr}^{-1}$  between Declinations  $-47^\circ$  and  $00^\circ$*
8. Costa, E., Méndez, R. A., Jao, W.-C., Henry, T. J., Subasavage, J. P., Brown, M. A., Ianna, P. A., & Bartlett, J. L. 2005, AJ, 130, 337, *The Solar Neighborhood. XIV. Parallaxes from the Cerro Tololo Inter-American Observatory Parallax Investigation - First Results from the 1.5 m Telescope Program*
7. Jao, W.-C., Henry, T. J., Subasavage, J. P., Brown, M. A., Ianna, P. A., Bartlett, J. L., Costa, E., & Méndez, R. A. 2005, AJ, 129, 1954, *The Solar Neighborhood. XIII. Parallax Results from the CTIOPI 0.9m Program: Stars with  $\mu \geq 1.0'' \text{ yr}^{-1}$  (MOTION Sample)*
6. Subasavage, J. P., Henry, T. J., Hambly, N. C., Brown, M. A., & Jao, W.-C. 2005, AJ, 129, 413, *The Solar Neighborhood. XII. Discovery of New High Proper Motion Stars with  $\mu \geq 0.4'' \text{ yr}^{-1}$  between Declinations  $-90^\circ$  and  $-47^\circ$*
5. Deacon, N. R., Hambly, N. C., Henry, T. J., Subasavage, J. P., Brown, M. A., & Jao, W.-C. 2005, AJ, 129, 409, *The Solar Neighborhood. XI. The Trigonometric Parallax of SCR 1845-6357*
4. Henry, T. J., Subasavage, J. P., Brown, M. A., Beaulieu, T. D., Jao, W.-C., & Hambly, N. C. 2004, AJ, 128, 2460, *The Solar Neighborhood. X. New Nearby Stars in the Southern Sky and Accurate Photometric Distance Estimates for Red Dwarfs*
3. Hambly, N. C., Henry, T. J., Subasavage, J. P., Brown, M. A., & Jao, W.-C. 2004, AJ, 128, 437, *The Solar Neighborhood. VIII. Discovery of New High Proper Motion Nearby Stars Using the SuperCOSMOS Sky Survey*
2. Jao, W.-C., Henry, T. J., Subasavage, J. P., Bean, J. L., Costa, E., Ianna, P. A., & Méndez, R. A. 2003, AJ, 125, 332, *The Solar Neighborhood. VII. Discovery and Characterization of Nearby Multiples in the CTIO Parallax Investigation*
1. Dinescu, D. I., Majewski, S. R., Girard, T. M., Méndez, R. A., Sandage, A., Siegel, M. H., Kunkel, W. E., Subasavage, J. P., & Ostheimer, J. 2002, ApJ, 575L, 67, *Absolute Proper Motions to  $B \sim 22.5$ . V. Detection of Sagittarius Dwarf Spheroidal Debris in the Direction of the Galactic Anticenter*

## Book Chapter

1. Henry, T. J., Gies, D. R., Jao, W.-C., Riedel, A. R., Subasavage, J. P., Benedict, G. F., Harris, H. C., Ianna, P. A., Thorstensen, J. R., Beichman, C., Prato, L. A., & Simon, M. 2009, *Stellar Maps with SIM*, in SIM Lite Astrometric Observatory, eds. J. Davidson, S. Unwin, S. Edberg, R. Danner, & B. Nemati, JPL Publication, 400-1360

## Invited Talk

1. Subasavage, J. P. 2004, Invited Talk (203<sup>rd</sup> Meeting of the American Astronomical Society, Atlanta, GA): *White Dwarfs in the Solar Neighborhood*

## Conference Proceedings

5. Subasavage, J. P., Henry, T. J., Jao, W.-C., Nelan, E. P., Harris, H. C., & Dahn, C. C. 2009, Talk (Barcelona, ES) and Paper: *Calibrating Cosmological Chronometers: White Dwarf Masses via Astrometry*, 16<sup>th</sup> European Workshop on White Dwarfs, Journal of Physics Conference Series, 172, 012017
4. Jao, W.-C., Henry, T. J., Subasavage, J. P., Ianna, P. A., Costa, E., & Méndez, R. A. 2008, *Spying on your neighbors with ultra-high precision*, A Giant Step: from Milli- to Micro-arcsecond Astrometry, IAU Symposium, 248, 421
3. Subasavage, J. P., Henry, T. J., Bergeron, P., Dufour, P., Hambly, N. C., & Beaulieu, T. D. 2007, Talk (Leicester, UK) and Paper: *Identifying and Characterizing New Nearby White Dwarfs*, 15<sup>th</sup> European Workshop on White Dwarfs, eds. R. Napiwotzki & M. Burleigh, ASP Conference Series, 372, 53
2. Jao, W.-C., Henry, T. J., Subasavage, J. P., & Beaulieu, T. D. 2005, *Where are the stellar road runners in the sky?*, Astrometry in the Age of the Next Generation of Large Telescopes, eds. P. K. Seidelmann & A. K. B. Monet, ASP Conference Series, 338, 268
1. Henry, T. J., Jao, W.-C., Subasavage, J. P., Ianna, P. A., Costa, E., & Méndez, R. A. 2005, *Results from CTIOPI: Parallaxes, Perturbations, and Pushing Towards SIM PlanetQuest*, Astrometry in the Age of the Next Generation of Large Telescopes, eds. P. K. Seidelmann & A. K. B. Monet, ASP Conference Series, 338, 228

## Science Colloquia

2. February 2009                      United States Naval Observatory Flagstaff Station, Flagstaff, AZ
1. December 2008                     United States Naval Observatory, Washington, DC

## Posters

28. Subasavage, J. P. 2009, AAS, 214, 41109, *SIM's Search for Planets Orbiting White Dwarfs - Update*
27. Subasavage, J. P. 2009, AAS, 213, 45502, *SIM's Search for Planets Orbiting White Dwarfs*
26. Winters, J. G., Henry, T. J., Subasavage, J. P., Jao, W.-C., Finch, C. T., Hambly, N. C., & RECONS Team. 2009, AAS, 213, 40704, *NOW SHOWING! The Big Picture – Putting the SCR Sample in Context*
25. Henry, T. J., Koerner, D. W., Jao, W.-C., Subasavage, J. P., Ianna, P. A., Bean, J. L., Benedict, G. F., McArthur, B. E., & RECONS Team. 2007, AAS, 211, 13416, *Dancing in the Dark --- Unseen Companions of Nearby Stars*
24. Winters, J. G., Subasavage, J. P., Finch, C. T., Jao, W.-C., Hambly, N. C., Henry, T. J., & RECONS Team. 2007, AAS, 211, 10408, *BEWARE! Neighborhood Watch Area --- SCR Discoveries within 25 Parsecs*
23. Jao, W.-C., Beaulieu, T. D., Henry, T. J., Subasavage, J. P., & RECONS Team. 2007, AAS, 211, 5911, *Cool Subdwarf Investigations (CSI): Spectral Sequence*
22. Subasavage, J. P. 2007, AAS, 211, 2203, Talk: *White Dwarfs in the Solar Neighborhood*
21. Bartlett, J. L., Ianna, P. A., Henry, T. J., Begam, M. C., Jao, W.-C., Subasavage, J. P., & RECONS Team. 2007, AAS, 211, 2102, *Knowing Our Neighbors: Fundamental Properties of Nearby Stars*
20. Holberg, J. B., Sion, E. M., Oswalt, T., McCook, G. P., & Subasavage, J. P. 2007, AAS, 211, 1513, *A New Census of the Local White Dwarf Population*
19. Subasavage, J. P., Bergeron, P., Henry, T. J., Dufour, P., Hambly, N. C., Beaulieu, T. D., & RECONS Team. 2006, AAS, 209, 10305, *The Hunt for Nearby White Dwarfs*
18. Henry, T. J., Koerner, D. W., Jao, W.-C., Subasavage, J. P., Ianna, P. A., & RECONS Team. 2006, AAS, 209, 2404, *Clandestine Companions of Nearby Red Dwarfs*
17. Grundstrom, E., Gies, D. R., Blair, J., Caballero-Nieves, S., Finch, C., O'Brien, D., Rafter, S., Raghavan, D., Subasavage, J. P., Trippe, M., Williams, S., Zaballa, R., Huang, W., McSwain, M. V., & Wingert, D. W. 2006, AAS, 208, 410, *Spectroscopy of Be X-ray Binaries*
16. Jao, W.-C., Henry, T. J., Subasavage, J. P., Beaulieu, T. D., & RECONS Team. 2005, AAS, 207, 12406, *Nearby Cool Subdwarfs in a Bucket*
15. Henry, T. J., Jao, W.-C., Subasavage, J. P., & RECONS Team. 2005, AAS, 207, 11705, *Nearby Red Dwarfs are Sexy for Planets and Life*

14. Raghavan, D. R., Henry, T. J., Mason, B. D., Subasavage, J. P., Jao, W.-C., Beaulieu, T. D., & Hambly, N. C. 2005, AAS, 207, 6804, *Two Suns in The Sky: Stellar Multiplicity in Exoplanet Systems*
13. Monteiro, H., Subasavage, J. P., Jao, W.-C., Henry, T. J., & RECONS Team. 2005, AAS, 207, 814, *White Dwarf Binaries and Planetary Nebulae: Do we really understand the connection?*
12. Henry, T. J., Beaulieu, T. D., Brown, M. A., Jao, W. C., Monteiro, H., Subasavage, J. P., & RECONS Team. 2004, AAS, 205, 16507, *New Nearby Stars from NOAO and SMARTS Observations*
11. Jao, W.-C., Henry, T. J., Subasavage, J. P., Beaulieu, T. D., & Monteiro, H. 2004, AAS, 205, 5502, *Where are the stellar “road runners” – beep beep – in the sky?*
10. Subasavage, J. P., Henry, T. J., Hambly, N. C., Brown, M. A., Jao, W.-C., & Beaulieu, T. D. 2004, AAS, 205, 5501, *Introducing the SuperCOSMOS-RECONS (SCR) Proper Motion Survey*
9. Beaulieu, T. D., Jao, W.-C., Henry, T. J., Subasavage, J. P., & Brown, M. A. 2003, AAS, 203, 4304, *Optical Spectroscopy of Southern High Proper Motion Stars*
8. Koerner, D. W., Henry, T. J., Fuhrman, L. A., Parker, C. C., Kaplan, I. J., Jao, W.-C., & Subasavage, J. P. 2003, AAS, 203, 4207, *Astrometric Search for Planets Encircling Nearby Stars (ASPENS)*
7. Raghavan, D., Henry, T. J., Subasavage, J. P., & Beaulieu, T. D. 2003, AAS, 203, 4205, *Two Suns in the Sky: Many Extrasolar Planets Orbiting Stars in Multiple Systems*
6. Jao, W.-C., Henry, T. J., Subasavage, J. P., Williams, C., & RECONS Team. 2002, AAS, 201, 7501, *Discovery of new nearby multiples in CTIOPI*
5. Henry, T. J., Jao, W.-C., Subasavage, J. P., Costa, E., Ianna, P. A., Mendez, R. A., & RECONS Team. 2002, AAS, 201, 2109, *The RECONS Census: Spying on Your Neighbors*
4. Henry, T. J., Subasavage, J. P., Jao, W.-C., Costa, E., Ianna, P. A., Mendez, R. A., & RECONS Team. 2001, AAS, 199, 13001, *RECONS Discoveries of New Nearby Stars*
3. Jao, W.-C., Subasavage, J. P., Henry, T. J., Williams, C., Costa, E., Ianna, P. A., Mendez, R. A., & RECONS Team. 2001, AAS, 199, 12906, *The RECONS Effort to Characterize the Highest Proper Motion Stars*
2. Bean, J. L., Henry, T. J., Jao, W.-C., & Subasavage, J. P. 2001, AAS, 199, 0602, *The RECONS Hunt for Intriguing Binaries in the Solar Neighborhood*
1. Ianna, P. A., Begam, M. C., Subasavage, J. P., Henry, T. J., Mendez, R. A., & Seitzer, P. O. 2001, AAS, 198, 4710, *New Parallax Results from Two Southern Programs*