

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

- 2007 **SMARTS Fellow**
Georgia State University
- 2002 **Graduate Teaching Assistant**
Georgia State University

External Funding -- Continuing

- 2008-2009 Received as Principal Investigator
SIM's Search for Planets Orbiting White Dwarfs
\$25,000 from the Michelson Science Center for FY09
- 2006-2008 Received as Principal Investigator
Calibrating Cosmological Chronometers: White Dwarf Masses
\$56,333 from the Space Telescope Science Institute for FY07
\$78,227 from the Space Telescope Science Institute for FY08
- 2005-2008 Received as Co-Investigator (PI: Todd J. Henry, GSU)
The RECONS Investigation of the Solar Neighborhood
\$343,969 from the National Science Foundation for FY06-FY07
\$178,997 pending from the National Science Foundation for FY08

Honors

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

Refereed Journal Publications

20. 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*
19. 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*
18. 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*
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° and -47°*
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 α 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° and 00°*
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° and -47°*
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*

Invited Talks

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

Conference Proceedings

4. 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*, 16th European Workshop on White Dwarfs, in press
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*, 15th 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

Posters

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*