

# Todd J. Henry

## Education

- 1991      **Ph.D. in Astronomy**  
University of Arizona, Tucson, AZ  
Graduate Advisor: Donald W. McCarthy, Jr.
- 1986      **B.A. in Physics/Planetary Sciences**  
Cornell University, Ithaca, NY  
Twice Recipient of the Cornell Tradition Fellowship  
Undergraduate Advisors: W. Reid Thompson & Carl Sagan

## Professional History

- 2013      **Distinguished University Professor of Astronomy**  
Georgia State University, Atlanta, GA
- 2006      **Professor of Astronomy**  
Georgia State University, Atlanta, GA
- 2000      **Associate Professor of Astronomy**  
Georgia State University, Atlanta GA
- 1999      **Project Scientist for NASA's Nearby Stars Project**  
Johns Hopkins University, Baltimore, MD
- 1997      **Research Astronomer**  
Harvard-Smithsonian Center for Astrophysics, Cambridge, MA
- 1994      **Hubble Fellow**  
Space Telescope Science Institute, Baltimore, MD
- 1991      **Postdoctoral Fellow with SETI Project Phoenix**  
Space Telescope Science Institute, Baltimore, MD

## Awards

- 2017      Nominee, College of Arts & Sciences Outstanding Undergraduate Mentor
- 2012      Carl R. Nave Award for Outstanding Educator in Physics & Astronomy
- 2010      Nominee, Georgia State University Outstanding Faculty Scholar
- 2008      Nominee, Georgia State University Outstanding Faculty Teacher
- 2007      Scottish University Physics Alliance Distinguished Visitor

## Refereed Journal Publications

113. Jao, W.C., **Henry, T.J.**, Winters, J.G., Subasavage, J. P., Riedel, A.R., Silverstein, M.L., & Ianna, P.A. 2017, *The Solar Neighborhood XLII: Parallax Results from the CTIOPI 0.9 m Program — Identifying New Nearby Subdwarfs Using Tangential Velocities and Locations on the H-R Diagram*, AJ, 154, 191
112. Bartlett, J.L., Lurie, J.C., Riedel, A.R., Ianna, P.A., Jao, W.C., **Henry, T.J.**, Winters, J.G., Finch, C.T., & Subasavage, J.P. 2017, *The Solar Neighborhood XXXX: Parallax Results from the CTIOPI 0.9 m Program — New Young Stars Near the Sun*, AJ, 154, 151
111. Clements, T.D., **Henry, T.J.**, Hosey, A.D., Jao, W.C., Silverstein, M.L., Winters, J.G., Dieterich, S.B., & Riedel, A.R. 2017, *The Solar Neighborhood XLI: A Study of the Wide Main Sequence for M Dwarfs — Long-term Photometric Variability*, AJ, 154, 124
110. Subasavage, J.P., Jao, W.C., **Henry, T.J.**, Harris, H.C., Dahn, C.C., Bergeron, P., Dufour, P., Dunlap, B.H., Barlow, B.N., Ianna, P.A., Lepine, S., & Margheim, S.J. 2017, *The Solar Neighborhood XXXIX: Parallax Results from the CTIOPI and NOFS Programs: 50 New Members of the 25 Parsec White Dwarf Sample*, AJ, 154, 32
109. Riedel, A.R., Alam, M.K., Rice, E.L., Cruz, K.L., & **Henry, T.J.** 2017, *Young Stars with SALT*, ApJ, 840, 87
108. Horch, E.P., Casetti-Dinescu, D.I., Camarata, M.A., Bidarian, A., van Altena, W.F., Sherry, W.H., Everett, M.E., Howell, S.B., Ciardi, D.R., **Henry, T.J.**, Nusdeo, D.A., & Winters, J.G. 2017, *Observations of Binary Stars with the Differential Speckle Survey Instrument VII: Measures from 2010 September to 2012 February at the WIYN Telescope*, AJ, 153, 212
107. Winters, J.G., Sevrinsky, R.A., Jao, W.C., **Henry, T.J.**, Riedel, A.R., Subasavage, J.P., Lurie, J.C., Finch, C.T., & Ianna, P.A. 2017, *The Solar Neighborhood XXXVIII: Results from the CTIO/SMARTS 0.9m — Trigonometric Parallaxes for 151 Nearby M Dwarf Systems*, AJ, 153, 14
106. Jao, W.C., Nelan, E.P., **Henry, T.J.**, Franz, O.G., & Wasserman, L.H. 2016, *Cool Subdwarf Investigations III: Dynamical Masses of Low-metallicity Subdwarfs*, AJ, 152, 153
105. Jao, W.C, **Henry, T.J.**, Riedel, A.R., Winters, J.G., Slatten, K.J., & Gies, D.R. 2016, *Distance-dependent Offsets between Parallaxes for Nearby Stars and Gaia DR1 Parallaxes*, ApJ, 832, 18
104. Benedict, G.F., **Henry, T.J.**, Franz, O.G., McArthur, B.E., Wasserman, L.H., Jao, W.C, Cargile, P.A., Dieterich, S.B., Bradley, A.J., Nelan, E.P., & Whipple, A.L. 2016, *The Solar Neighborhood XXXVII: The Mass-Luminosity Relation for Main-sequence M Dwarfs*, AJ, 152, 141
103. Chatelain, J.P., **Henry, T.J.**, French, L.M., Winters, J.G., & Trilling, D.E. 2016,

*Photometric Colors of the Brightest Members of the Jupiter L5 Trojan Cloud*, Icarus, 271, 158

102. Gagne, J., Plavchan, P., Gao, P., Anglada-Escude, G., Furlan, E., Davison, C., Tanner, A., **Henry, T.J.**, Riedel, A.R., Brinkworth, C., Latham, D., Bottom, M., White, R., Mills, S., Beichman, C., Johnson, J.A., Ciardi, D.R., Wallace, K., Mennesson, B., von Braun, K., Vasisht, G., Prato, L., Kane, S.R., Mamajek, E.E., Walp, B., Crawford, T.J., Rougeot, R., Geneser, C.S., & Catanzarite, J. 2016, *A High-precision Near-infrared Survey for Radial Velocity Variable Low-mass Stars Using CSHELL and a Methane Gas Cell*, ApJ, 822, 40

101. Hosey, A.D., **Henry, T.J.**, Jao, W.C., Dieterich, S.B., Winters, J.G., Lurie, J.C., Riedel, A.R., & Subasavage, J.P. 2015, *The Solar Neighborhood XXXVI: The Long-term Photometric Variability of Nearby Red Dwarfs in the VRI Optical Bands*, AJ, 150, 6

100. Horch, E.P., van Altena, W.F., Demarque, P., Howell, S.B., Everett, M.E., Ciardi, D.R., Teske, J.K., **Henry, T.J.**, & Winters, J.G. 2015, *Observations of Binary Stars with the Differential Speckle Survey Instrument V: Toward an Empirical Metal-Poor Mass-Luminosity Relation*, AJ, 149, 151

99. Davison, C.L., White, R.J., **Henry, T.J.**, Riedel, A.R., Jao, W.C., Bailey, J.I., III, Quinn, S.N., Cantrell, J.R., Subasavage, J.P., & Winters, J.G. 2015, *A 3D Search for Companions to 12 Nearby M Dwarfs*, AJ, 149, 106

98. Aldoretta, E.J., Caballero-Nieves, S.M., Gies, D.R., Nelan, E.P., Wallace, D.J., Hartkopf, W.I., **Henry, T.J.**, Jao, W.C., Maiz Apellaniz, J., Mason, B.D., Moffat, A.F.J., Norris, R.P., Richardson, N.D., & Williams, S.J. 2015, *The Multiplicity of Massive Stars: A High Angular Resolution Survey With the HST Fine Guidance Sensor*, AJ, 149, 26

97. Winters, J.G., **Henry, T.J.**, Lurie, J.C., Hambly, N.C., Jao, W.C., Bartlett, J.L., Boyd, M.R., Dieterich, S.B., Finch, C.T., Hosey, A.D., Ianna, P.A., Riedel, A.R., Slatten, K.J., & Subasavage, J.P. 2015, *The Solar Neighborhood XXXV: Distances to 1404 M Dwarf Systems within 25 pc in the Southern Sky*, AJ, 149, 5

96. Finch, C.T., Zacharias, N., Subasavage, J.P., **Henry, T.J.**, & Riedel, A.R. 2014, *UCAC4 Nearby Star Survey: A Search for Our Stellar Neighbors*, AJ, 148, 119

95. Lurie, J.C., **Henry, T.J.**, Jao, W.C., Quinn, S.N., Winters, J.G., Ianna, P.A., Koerner, D.W., Riedel, A.R., & Subasavage, J.P. 2014, *The Solar Neighborhood XXXIV: A Search for Planets Orbiting Nearby M Dwarfs Using Astrometry*, AJ, 148, 91

94. Dieterich, S.B., **Henry, T.J.**, Jao, W.C., Winters, J.G., Hosey, A.D., Riedel, A.R., & Subasavage, J.P. 2014, *The Solar Neighborhood XXXII: The Hydrogen Burning Limit*, AJ, 147, 94

93. Riedel, A.R., Finch, C.T., **Henry, T.J.**, et al. 2014, *The Solar Neighborhood XXXIII: Parallax Results from the CTIOPI 0.9m Program — Trigonometric Parallaxes of Nearby Low-Mass Active and Young Systems*, AJ, 147, 85

92. Davison, C.L., White, R.J., Jao, W.C., **Henry, T.J.**, Bailey, J.I., Quinn, S.N., Cantrell, J.R., Riedel, A.R., Subasavage, J.P., Winters, J.G., & Crockett, C.J. 2014, *The Closest M Dwarf Quadruple System to the Sun*, AJ, 147, 26
91. Jao, W.C., **Henry, T.J.**, Subasavage, J.P., Winters, J.G., Gies, D.R., Riedel, A.R., & Ianna, P.A. 2014, *The Solar Neighborhood XXXI: Discovery of an Unusual Red+White Dwarf Binary at  $\sim 25$  pc via Astrometry and UV Imaging*, AJ, 147, 21
90. Mamajek, E.E., Bartlett, J.L., Seifahrt, A., **Henry, T.J.**, Dieterich, S.B., Lurie, J.C., Kenworthy, M.A., Jao, W.C., Riedel, A.R., Subasavage, J.P., Winters, J.G., Finch, C.T., Ianna, P.A., & Bean, J.L. 2013, *The Solar Neighborhood XXX: Fomalhaut C*, AJ, 146, 154
89. Cantrell, J.R., **Henry, T.J.**, & White, R.J. 2013, *The Solar Neighborhood XXIX: The Habitable Real Estate of Our Nearest Stellar Neighbors*, AJ, 146, 99
88. Metcalfe, T.S., Buccino, A.P., Brown, B.P., Mathur, S., Soderblom, D.R., **Henry, T.J.**, Mauas, P.J.D., Petrucci, R., Hall, J.C., & Basu, S. 2013, *Magnetic Activity Cycles in the Exoplanet Host Star epsilon Eridani*, ApJ, 763, 26
87. Rojas-Ayala, B., Hilton, E.J., Mann, A.W., Lepine, S., Gaidos, E., Bonfils, X., Helling, C., **Henry, T.J.**, Rogers, L.A., von Braun, K., & Youdin, A. 2013, *M Dwarfs in the Light of (Future) Exoplanet Searches*, Astron Nachr, 334, 155
86. Boyajian, T.S., von Braun, K., van Belle, G., McAlister, H.A., ten Brummelaar, T.A., Kane, S.R., Muirhead, P.S., Jones, J., White, R., Schaefer, G., Ciardi, D., **Henry, T.J.**, Lopez-Morales, M., Ridgway, S., Gies, D., Jao, W.C., Rojas-Ayala, B., Parks, J.R., Sturmann, L., Sturmann, J., Turner, N.H., Farrington, C., Goldfinger, P.J., Berger, D.H. 2012, *Stellar Diameters and Temperatures II: Main-Sequence K and M Stars*, ApJ, 757, 112
85. Dieterich, S.B., **Henry, T.J.**, Golimowski, D.A., Krist, J.E., & Tanner, A.M. 2012, *The Solar Neighborhood XXVIII: The Multiplicity Fraction of Nearby Stars from 5 to 70 AU and the Brown Dwarf Desert Around M Dwarfs*, AJ, 144, 64
84. Finch, C.T., Zacharias, N., Boyd, M.R., **Henry, T.J.**, & Hambly, N.C. 2012, *UCAC3 Proper Motion Survey II: Discovery of New Proper Motion Stars in UCAC3 with  $0.40''/\text{yr} > \mu \geq 0.18''/\text{yr}$  between Declinations  $-4^\circ$  and  $00^\circ$* , ApJ, 745, 118
83. Boyd, M.R., **Henry, T.J.**, Jao, W.C., Subasavage, J.P. & Hambly, N.C. 2011, *The Solar Neighborhood XXVII: Discovery of New Proper Motion Stars with  $\mu \geq 0.18''/\text{yr}$  in the Southern Sky with  $16.5 < R_{59F} \leq 18.0$* , AJ, 142, 92
82. Riedel, A.R., Murphy, S.J., **Henry, T.J.**, Melis, C., Jao, W.C., & Subasavage, J.P. 2011, *The Solar Neighborhood XXVI: AP Col — the Closest (8.4 pc) Pre-main-sequence Star*, AJ, 142, 104
81. Boyd, M.R., Winters, J.G., **Henry, T.J.**, Jao, W.C., Finch, C.T., Subasavage, J.P. & Hambly, N.C. 2011, *The Solar Neighborhood XXV: Discovery of New Proper Motion Stars with  $0.40''/\text{yr} > \mu \geq 0.18''/\text{yr}$  between Declinations  $-4^\circ$  and  $00^\circ$* , AJ, 142, 10

80. Jao, W.C., **Henry, T.J.**, Subasavage, J.P., Winters, J.G., Riedel, A.R., & Ianna, P.A. 2011, *The Solar Neighborhood XXIV: Parallax Results from the CTIOPI 0.9m Program — Stars with  $\mu \geq 1.0''/\text{yr}$  (MOTION Sample) and Subdwarfs*, AJ, 141, 117
79. von Braun, K., Boyajian, T.S., Kane, S.R., van Belle, G.T., Ciardi, D.R., Lopez-Morales, M., McAlister, H.A., **Henry, T.J.**, Jao, W.C., Riedel, A.R., Subasavage, J.P., Schaefer, G., ten Brummelaar, T.A., Ridgway, S., Sturmann, L., Sturmann, J., Mazingue, J., Turner, N.H., Farrington, C., Goldfinger, P.J., & Boden, A.F. 2011, *Astrophysical Parameters and Habitable Zone of the Exoplanet Hosting Star GJ 581*, ApJ, 729, 26
78. Winters, J.G., **Henry, T.J.**, Jao, W.C., Subasavage, J.P., Finch, C.T., & Hambly, N.C. 2011, *The Solar Neighborhood XXIII: CCD Photometric Distance Estimates of SCR Targets — 77 M Dwarf Systems within 25 pc*, AJ, 141, 21
77. Metcalfe, T.S., Basu, S., **Henry, T.J.**, Soderblom, D.R., Judge, P.G., Knolker, M., Mathur, S., & Rempel, M. 2010, *Discovery of a 1.6 Year Magnetic Activity Cycle in the Exoplanet Host Star  $\iota$  Horologii*, ApJ, 723, 213
76. Raghavan, D., McAlister, H.A., **Henry, T.J.**, Latham, D.W., Marcy, G.W., Mason, B.D., Gies, D.R., White, R.J., & ten Brummelaar, T.A. 2010, *A Survey of Stellar Families: Multiplicity of Solar-type Stars*, ApJSupp, 190, 1
75. Riedel, A.R., Subasavage, J.P., Finch, C.T., Jao, W.C., **Henry, T.J.**, Winters, J.G., Brown, M.A., Ianna, P.A., Costa, E., & Mendez, R.A. 2010, *The Solar Neighborhood XXII: Parallax Results from the CTIOPI 0.9m Program — Trigonometric Parallaxes of 64 Nearby Systems with  $0.5''/\text{yr} < \mu < 1.0''/\text{yr}$  (SLOWMO Sample)*, AJ, 140, 897
74. Finch, C.T., Zacharias, N., **Henry, T.J.** 2010, *UCAC3 Proper Motion Survey I: Discovery of New Proper Motion Stars in UCAC3 with  $0.40''/\text{yr} > \mu \geq 0.18''/\text{yr}$  between Declinations  $-90^\circ$  and  $-47^\circ$* , AJ, 140, 844
73. Bean, J.L., Seifahrt, A., Hartman, H., Nilsson, H., Wiedemann, G., Reiners, A., Dreizler, S., & **Henry, T.J.** 2010, *The CRIRES Search for Planets Around the Lowest-mass Stars I: High-precision Near-infrared Radial Velocities with an Ammonia Gas Cell*, ApJ, 713, 410
72. Richardson, N.D., Gies, D.R., **Henry, T.J.**, Fernandez-Lajus, E., & Okazaki, A.T. 2010, *The H $\alpha$  Variations of  $\eta$  Carinae During the 2009.0 Spectroscopic Event*, AJ, 139, 1534
71. Bean, J.L., Seifahrt, A., Hartman, H., Nilsson, H., Reiners, A., Dreizler, S., **Henry, T.J.**, & Wiedemann, G. 2010, *The Proposed Giant Planet Orbiting VB 10 Does Not Exist*, ApJ, 711, 19
70. Subasavage, J.P., Jao, W.C., **Henry, T.J.**, Bergeron, P., Dufour, P., Ianna, P.A., Costa, E., & Mendez, R.A. 2009, *The Solar Neighborhood XXI: Parallax Results from the CTIOPI 0.9m Program — 20 New Members of the 25 Parsec White Dwarf Sample*, AJ, 137, 4547
69. Jao, W.C., Mason, B.D., Hartkopf, W.I., **Henry, T.J.**, & Ramos, S.N. 2009, *Cool Subdwarf Investigations II: Multiplicity*, AJ, 137, 3800

68. Mason, B.D., Hartkopf, W.I., Gies, D.R., **Henry, T.J.**, & Helsel, J.W. 2009, *The High Angular Resolution Multiplicity of Massive Stars*, AJ, 137, 3358
67. Covey, K.R., Hawley, S.L., Bochanski, J.J., West, A.A., Reid, I.N., Golimowski, D.A., Davenport, J.R.A., **Henry, T.J.**, Uomoto, A., & Holtzman, J.A. 2008, *The Luminosity and Mass Functions of Low-Mass Stars in the Galactic Disk. I. The Calibration Region*, AJ, 136, 1778
66. Subasavage, J.P., **Henry, T.J.**, Bergeron, P., Dufour, P., & Hambly, N.C. 2008, *The Solar Neighborhood XX: Discovery and Characterization of 21 New Nearby White Dwarf Systems*, AJ, 136, 899
65. Boyajian, T.S., McAlister, H.A., Baines, E.K., Gies, D.R., **Henry, T.J.**, Jao, W.C., O'Brien, D., Raghavan, D., Touhami, Y., ten Brummelaar, T.A., Farrington, C., Goldfinger, P.J., Sturmann, L., Sturmann, J., Turner, N.H., & Ridgway, S. 2008, *Angular Diameters of the G Subdwarf  $\mu$  Cassiopeiae A and the K Dwarfs  $\sigma$  Draconis and HR 511 from Interferometric Measurements with the CHARA Array*, ApJ, 683, 424
64. Jao, W.C., **Henry, T.J.**, Beaulieu, T.D., & Subasavage, J.P. 2008, *Cool Subdwarf Investigations. I. New Thoughts on the Spectral Types of K and M Subdwarfs*, AJ, 136, 840
63. Williams, S.J., Gies, D.R., **Henry, T.J.**, Orosz, J.A., McSwain, M.V., Hillwig, T.C., Penny, L.R., Sonneborn, G., Iping, R., van der Hucht, K.A., & Kaper, L. 2008, *Dynamical Masses for the Large Magellanic Cloud Massive Binary System [L72] LH 54-425*, ApJ, 682, 492
62. Unwin, S.C., Shao, M., Tanner, A.M., Allen, R.J., Beichman, C.A., Boboltz, D., Catanzarite, J.H., Chaboyer, B.C., Ciardi, D.R., Edberg, S.J., Fey, A.L., Fischer, D.A., Gelino, C.R., Gould, A.P., Grillmair, C., **Henry, T.J.**, Johnston, K.V., Johnston, K.J., Jones, D.L., Kulkarni, S.R., Law, N.M., Majewski, S.R., Makarov, V.V., Marcy, G.W., Meier, D.L., Olling, R.P., Pan, X., Patterson, R.J., Pitesky, J.E., Quirrenbach, A., Shaklan, S.B., Shaya, E.J., Strigari, L.E., Tomsick, J.A., Wehrle, A.E., & Worthey, G. 2008, *Taking the Measure of the Universe: Precision Astrometry with SIM PlanetQuest*, PASP, 120, 38
61. Gizis, J.E., Jao, W.C., Subasavage, J.P., & **Henry, T.J.**, 2007, *The Trigonometric Parallax of the Brown Dwarf Planetary System 2MASSW J1207334-393254*, ApJLett, 669, L45
60. Subasavage, J.P., **Henry, T.J.**, Bergeron, P., Dufour, P., Hambly, N.C., & Beaulieu, T.D. 2007, *The Solar Neighborhood XIX: Discovery and Characterization of 33 New Nearby White Dwarf Systems*, AJ, 134, 252
59. Finch, C.T., **Henry, T.J.**, Subasavage, J.P., Jao, W.C., & Hambly, N.C. 2007, *The Solar Neighborhood XVII: Discovery of New Proper-Motion Stars with  $0.40''/\text{yr} > \mu \geq 0.18''/\text{yr}$  between Declinations  $-90$  and  $-47$* , AJ, 133, 2898
58. Tarter, J.C., Backus, P.R., Mancinelli, R.L., Aurnou, J.M., Backman, D.E., Basri, G.S., Boss, A.P., Clarke, A., Deming, D., Doyle, L.R., Feigelson, E.D., Freund, F., Grinspoon,

- D.H., Haberle, R.M., Hauck II, S.A., Heath, M.J., **Henry, T.J.**, Hollingsworth, J.L., Joshi, M.M., Kilston, S., Liu, M.C., Meikle, E., Reid, I.N., Rothschild, L.J., Scalo, J., Segura, A., Tang, C.M., Tiedje, J.M., Turnbull, M.C., Walkowicz, L.M., Weber, A.L., & Young, R.E. 2007, *A Reappraisal of the Habitability of Planets Around M Dwarf Stars*, *Astrobiology*, 7, 30
57. Luhman, K.L., Patten, B.M., Marengo, M., Schuster, M.T., Hora, J.L., Ellis, R.G., Stauffer, J.R., Sonnett, S.M., Winston, E., Gutermuth, R.A., Megeath, S.T., Backman, D.E., **Henry, T.J.**, Werner, M.W., & Fazio, G.G. 2007, *Discovery of Two T Dwarf Companions with the Spitzer Space Telescope*, *ApJ*, 654, 570
56. **Henry, T.J.**, Jao, W.C., Subasavage, J.P., Beaulieu, T.D., Ianna, P.A., Costa, E., & Mendez, R.A. 2006, *The Solar Neighborhood XVII. Parallax Results from the CTIOPI 0.9m Program: 20 New Members of the RECONS 10 Parsec Sample*, *AJ*, 132, 2360
55. Patten, B.M., Stauffer, J.R., Burrows, A., Merengo, M., Hora, J.L., Luhman, K.L., Sonnett, S.M., **Henry, T.J.**, Raghavan, D., Megeath, S.T., Liebert, J., & Fazio, G.G. 2006, *Spitzer IRAC Photometry of M, L, and T Dwarfs*, *ApJ*, 651, 502
54. Costa, E., Mendez, R.A., Jao, W.C., **Henry, T.J.**, Subasavage, J.P., & Ianna, P.A. 2006, *The Solar Neighborhood XVI. Parallaxes from CTIOPI: Final Results from the 1.5m Telescope Program*, *AJ*, 132, 1234
53. Raghavan, D., **Henry, T.J.**, Mason, B.D., Hambly, N.C., Subasavage, J.P., Beaulieu, T.D., & Jao, W.C. 2006, *Two Suns in the Sky: Stellar Multiplicity In Extrasolar Planetary Systems*, *ApJ*, 646, 523
52. Berger, D.H., Gies, D.R., McAlister, H.A., ten Brummelaar, T.A., **Henry, T.J.**, Sturmann, J., Sturmann, L., Turner, N.H., Ridgway, S.T., Aufdenberg, J.P., & Merand, A.M. 2006, *First Results from the CHARA Array. IV. The Interferometric Radii of Low-Mass Stars*, *ApJ*, 644, 475
51. Monteiro, H., Jao, W.C., **Henry, T.J.**, Subasavage, J.P., & Beaulieu, T.D. 2006, *Ages of White Dwarf-Red Dwarf Systems*, *ApJ*, 638, 446
50. Subasavage, J.P., **Henry, T.J.**, Hambly, N.C., Brown, M.A., Jao, W.C., & Finch, C.T. 2005, *The Solar Neighborhood XV. Discovery of New High Proper Motion Stars with  $\mu > 0.4''/\text{yr}$  between Declinations  $-47^\circ$  and  $-90^\circ$* , *AJ*, 130, 1658
49. Scholz, R.D., Lo Curto, G., Mendez, R.A., Hambaryan, V., Costa, E., **Henry, T.J.**, & Schwöpe, A.D. 2005, *Three Active M Dwarfs within 8 pc: L449-1, L43-72, & LP 949-15*, *A&A*, 439, 1127
48. Costa, E., Mendez, R.A., Jao, W.C., **Henry, T.J.**, Subasavage, J.P., Brown, M.A., Ianna, P.A., & Bartlett, J.L., 2005, *The Solar Neighborhood XIV. Parallaxes from the Cerro Tololo Inter-American Observatory Parallax Investigation — First Results from the 1.5 Meter Program*, *AJ*, 130, 337

47. Jao, W.C., **Henry, T.J.**, Subasavage, J.P., Brown, M.A., Ianna, P.A., Bartlett, J.L., Costa, E., & Mendez, R.A. 2005, *The Solar Neighborhood XIII. Parallaxes from the CTIOPI 0.9 Meter Program: Stars with  $\mu \geq 1.0''/\text{yr}$  (MOTION Sample)*, AJ, 129, 1954
46. Subasavage, J.P., **Henry, T.J.**, Hambly, N.C., Brown, M.A., & Jao, W.C. 2005, *The Solar Neighborhood XII. Discovery of New High Proper Motion Stars with  $\mu > 0.4''/\text{yr}$  between Declinations  $-90^\circ$  and  $-47^\circ$* , AJ, 129, 413
45. Deacon, N.R., Hambly, N.C., **Henry, T.J.**, Subasavage, J.P., Brown, M.A., & Jao, W.C. 2005, *The Solar Neighborhood XI. The Trigonometric Parallax of SCR 1845-6357*, AJ, 129, 409
44. Pravdo, S.H., Shaklan, S.B., **Henry, T.J.**, & Benedict, G.F. 2004, *Astrometric Discovery of GJ 164B*, ApJ, 617, 1323
43. **Henry, T.J.**, Subasavage, J.P., Brown, M.A., Beaulieu, T.D., Jao, W.C., & Hambly, N.C. 2004, *The Solar Neighborhood X. New Nearby Stars in the Southern Sky and Accurate Photometric Distance Estimates for Red Dwarfs*, AJ, 128, 2460
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33. Golimowski, D.A., **Henry, T.J.**, Krist, J.E., Schroeder, D.J., Marcy, G.W., Fischer, D.A., & Butler, R.P. 2000, *The Very Low Mass Component of the Gliese 105 System*, AJ, 120, 2082
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31. Leggett, S.K., Geballe, T.R., Fan, X., Schneider, D.P., Gunn, J.E., Lupton, R.H., Knapp, G.R., Strauss, M.A., McDaniel, A., Golimowski, D.A., **Henry, T.J.**, Peng, E., Tsvetanov, Z.I., Uomoto, A., Zheng, W., Hill, G.J., Ramsey, L.W., Anderson, S.F., Annis, J.A., Bahcall, N.A., Brinkmann, J., Chen, B., Csabai, I., Fukugita, M., Hennessy, G.S., Hindsley, R.B., Ivesic, Z., Lamb, D.Q., Munn, J.A., Pier, J.R., Schlegel, D.J., Smith, J.A., Stoughton, C., Thakar, A.R., & York, D.G., 2000, *The Missing Link: Early Methane ("T") Dwarfs in the Sloan Digital Sky Survey*, ApJ Letters, 536L, 35
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3. McCarthy, Jr., D.W., **Henry, T.J.**, Fleming, T.A., Saffer, R.A., Liebert, J., & Christou, J.C. 1988, *The Very Low Mass Triple System: G208-44AB and G208-45*, ApJ, 333, 943
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## Book

1. Backman, D.E., Burg, S.J., & **Henry, T.J.** 2001, *Nearby Stars (NStars) Workshop, Proceedings of a Workshop held at the NASA Ames Research Center, Moffett Field, CA*

## Book Chapters

3. Willman, B., Bochanski, J.J., Bullock, J.S., de Jong, R., Debattista, V.P., Finkbeiner, D., Grillmair, C.J., **Henry, T.J.**, Johnston, K.V., Juric, M., Kalirai, J., McGehee, P.M., Roskar, R., Sarajedini, A., Simon, J.D., Strader, J., & Strauss, M.A. 2009, *Milky Way and Local Volume Structure* in The LSST Science Book, p 203-245

2. **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., & Simon, M. 2009, *Stellar Maps with SIM Lite* in NASA's SIM Lite Astrometric Observatory, p. 83-96

1. **Henry, T.J.**, Backman, D.E., Blackwell, J., Okimura, T., & Jue, S. 2003, *The NStars Project and Small Telescopes* in *The Future of Small Telescopes in The New Millenium*, Volume III — Science in the Shadows of Giants, ed. T.D. Oswalt, Astrophysics and Space Sciences Library, 289, 111-121

## Invited Talks and Articles

31. **Henry, T.J.** 2017, Invited Talk (48th Meeting of the Division on Dynamical Astronomy of the American Astronomical Society, London, UK): *Our View of the Solar Neighborhood Before, During, and After Gaia*

30. **Henry, T.J.** 2017, Invited Talk (LSST:UK Solar Neighbourhood Meeting, London, UK): *The Solar Neighborhood Working Group in the Stars, Milky Way, & Local Volume Science Collaboration*

29. **Henry, T.J.** 2013, Invited Talk (222nd Meeting of the American Astronomical Society, Indianapolis, IN): *Exploration of the Solar Neighborhood in a Dynamic Way (20-20 Talk)*

28. **Henry, T.J.** 2012, Invited Talk (Cool Stars 17 Meeting, Barcelona, Spain): *The Solar Neighborhood: Who Are the Stars? Where Are the Planets?*

27. **Henry, T.J.** 2011, Invited Talk (218th Meeting of the American Astronomical Society, Boston, MA): *The SMARTS Way to Build a Map to the Stars*

26. **Henry, T.J.** 2010, Invited Plenary Talk (Georgia Regional Astronomy Meeting, Atlanta, GA): *Grab Your Map to the Stars: A Tour of the Sun's Neighborhood*

25. Bean, J., Seifahrt, A., Hartman, H., Nilsson, H., Wiedemann, G., Reiners, A., Dreizler, S., & **Henry, T.J.** 2010, Invited Article: *The CRILES Search for Planets at the Bottom of the Main Sequence*, Messenger, 140, 41

24. **Henry, T.J.** 2009, Invited Talk (76th Annual Meeting of the Southeastern Section of the American Physical Society, Atlanta, GA): *Surveying the Neighborhood of the Sun*

23. **Henry, T.J.** 2009, Invited Talk (214th Meeting of the American Astronomical Society, Pasadena, CA): *Ground-Based Astrometry: Narrow-Angle Science Now and in the Future*

22. Cantrell, J.R. & **Henry, T.J.** 2008, Invited Article: *The Solar Neighborhood: Habitable Real Estate Around Nearby Stars*, NOAO Newsletter, 93, 3

21. **Henry, T.J.** 2008, Invited Talk (Cool Stars 15, St. Andrews, Scotland): *Low Mass Companions via Astrometry*

20. **Henry, T.J.** 2008, Invited Talk (211th Meeting of the American Astronomical Society, Austin, TX): *Stellar Results with the Space Interferometry Mission*
19. **Henry, T.J.** 2006, Invited Talk (IAU Symposium 240, Prague, Czech Republic) and Paper: *The Sun's Smaller Cousins Are Running the Universe — The Masses of Red and Brown Dwarfs*, Proceedings of IAU Symposium 240, 299
18. **Henry, T.J.** 2006, Invited Talk (207th Meeting of the American Astronomical Society, Washington, DC): *Red Targets for Radial Velocity Searches, session on The Development of the UK Precision Radial Velocity Spectrometer*
17. **Henry, T.J.** 2005, Invited Talk (SETI Institute, Moffett Field, CA): *710,000 M Dwarfs in the 'Hood*
16. **Henry, T.J.** 2005, Invited Article: *The Sun's New Neighbors*, NOAO Newsletter, 82, 7
15. **Henry, T.J.**, Jao, W.C., Subasavage, J.P., Ianna, P.A., Costa, E., & Mendez, R.A. 2005, Invited Talk (Flagstaff, AZ) and Paper: *Results from CTIOPI: Parallaxes, Perturbations, and Pushing Towards SIM PlanetQuest* in *Astrometry in the Age of the Next Generation of Large Telescopes*, eds. P.K. Seidelmann & A.K.B. Monet, ASP Conference Series, 338, 228
14. **Henry, T.J.** 2005, Invited Talk (205th Meeting of the American Astronomical Society, San Diego, CA): *Precision Stellar Astrophysics with SIM PlanetQuest*
13. **Henry, T.J.** 2005, Invited Talk (205th Meeting of the American Astronomical Society, San Diego, CA): *New Nearby Stars from NOAO and SMARTS Observations*
12. **Henry, T.J.** 2004, Invited Plenary Talk (203rd Meeting of the American Astronomical Society, Atlanta, GA): *RECONS is Spying on Your Neighbors*
11. **Henry, T.J.** 2004, Invited Talk (Dubrovnik, Croatia) and Paper: *The Mass-Luminosity Relation from End to End* in *Spectroscopically and Spatially Resolving the Components of Close Binary Stars*, eds. R.W. Hilditch, H. Hensberge, & K. Pavlovski, ASP Conference Series, 318, 159
10. **Henry, T.J.** 2002, Invited Talk (Royal Observatory Edinburgh, Scotland): *Galactic Survey Astronomy in the 1.0 to 2.5 Micron Region*
9. **Henry, T.J.** 1999, Invited Talk/Conference Summary, (NASA Ames Research Center, Moffett Field, CA) and Paper: *The 1999 Nearby Stars Marathon* in *Nearby Stars (NStars) Workshop*, eds. D.E. Backman, S.J. Burg, & T.J. Henry, p. 343
8. **Henry, T.J.** 1997, Invited Talk (Puerto de la Cruz, Tenerife, Canary Islands) and Paper: *Suspicious Characters Lurking in the Solar Neighborhood* in *Proceedings of the Brown Dwarfs and Extrasolar Planets Conference*, ed. R. Rebolo, ASP Conference Series, 134, 28
7. **Henry, T.J.** 1996, Invited Talk (Space Telescope Science Institute, Baltimore, MD): *Low Mass Companions to Nearby Stars*, *Planets Beyond the Solar System and the Next Generation of Space Missions Workshop*

6. **Henry, T.J.** 1995, Invited Talk (Jet Propulsion Laboratory, Pasadena, CA): *The Closest 1000 Stars*, Exploration of Neighboring Planetary Systems Kickoff Workshop
5. **Henry, T.J.** 1995, Invited Talk (Atlanta, GA): *Searching for Planets Orbiting the Nearest Stars*, Annual Meeting of the American Association for the Advancement of Science
4. **Henry, T.J.** 1995, Invited Talk (Garching, Germany) and Paper: *The Solar Neighbors in the Murky Depths of the Main Sequence* in Proceedings of the ESO Workshop on The Bottom of the Main Sequence — And Beyond, ed. C.G. Tinney, Springer-Verlag, p. 79
3. **Henry, T.J.** 1994, Invited Talk (Minneapolis, MN): *The Solar Neighbors in the Murky Depths of the Main Sequence*, 184th meeting of the American Astronomical Society
2. **Henry, T.J.** & McCarthy, Jr., D.W. 1992, Invited Talk (Pine Mountain, GA) and Paper: *The Murky Depths of the Main Sequence: Nearby Speckled Dwarfs and Elusive Brown Beasts* in Complementary Approaches to Double and Multiple Star Research, eds. H.A. McAlister & W.I. Hartkopf, ASP Conference Series, 32, 10
1. **Henry, T.J.** 1985, Invited Paper, *The Search for Extrasolar Planetary Systems* in Journal of Cornell Scientists, 2, 47

## Additional Conference Proceedings

26. Plavchan, P., Gao, P., Gagne, J. et al., 2016, *Precise Near-Infrared Radial Velocities*, Proceedings of the International Astronomical Union Symposium on Young Stars and Planets Near the Sun, 314, 286
25. Subasavage, J.P., Finch, C.T., Zacharias, N., **Henry, T.J.**, & Riedel, A.R. 2015, *UCAC4 Nearby Star Survey: A Search for Our Stellar Neighbors*, Proceedings of the 18th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun, ed. G. van Belle and H.C. Harris, p. 1033
24. Davison, C.L., White, R.J., **Henry, T.J.**, & Cabrera, N. 2015, *New Projected Rotational Velocity Measurements for 65 Mid M-Dwarfs*, Proceedings of the 18th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun, ed. G. van Belle and H.C. Harris, p. 967
23. Gies, D.R., Aldoretta, E.J., Caballero-Nieves, S.M., Nelan, E.P., **Henry, T.J.**, Jao, W.C., Hartkopf, W.I., Mason, B.D., Maiz Apellaniz, J., Moffat, A.F.J., Richardson, N.D., Wallace, D.J., & Williams, S.J. 2013, *HST Fine Guidance Sensors Survey For Binaries Among The Massive Stars*, EAS Publications Series, 64, 395
22. Riedel, A.R., **Henry, T.J.**, White, R.J., Song, I., Jensen, E.L.N., & Hambly, N.C. 2012, *Nearby Motionless Stars*, Proceedings of the 16th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun, ed. C.M. Johns-Krull, M.K. Browning, & A.A. West, ASP Conference Series, 448, 1391
21. Dieterich, S.B., **Henry, T.J.**, Jao, W.C., & Riedel, A.R. 2012, *M and L Dwarf Dynamical*

*Masses with One Adaptive Optics Observation*, Proceedings of the 16th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun, ed. C.M. Johns-Krull, M.K. Browning, & A.A. West, ASP Conference Series, 448, 849

20. Davison, C.L., White, R.J., **Henry, T.J.**, Jao, W.C., Riedel, A.R., & Cantrell, J.R. 2012, *CAESAR: Companion Assessment of Equatorial Stars with Astrometry and Radial Velocity*, Proceedings of the 16th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun, ed. C.M. Johns-Krull, M.K. Browning, & A.A. West, ASP Conference Series, 448, 825

19. Boyajian, T.S., von Braun, K., van Belle, G., ten Brummelaar, T., Ciardi, D., **Henry, T.J.**, Lopez-Morales, M., McAlister, H., Ridgway, S., Farrington, C., Goldfinger, P.J., Sturmann, L., Sturmann, J., & Turner, N. 2012, *Fundamental Properties of Cool Stars with Interferometry*, Proceedings of the 16th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun, ed. C.M. Johns-Krull, M.K. Browning, & A.A. West, ASP Conference Series, 448, 811

18. Dreizler, S., Bean, J., Seifahrt, A., Hartman, H., Nilsson, H., Wiedemann, G., Reiners, A., & **Henry, T.J.** 2010, *Pathways Towards Neptune-mass Planets around Very Low-mass Stars*, ASP Conference Series, 430, 127

17. Subasavage, J.P., Baily, C.D., Smith, R.C., **Henry, T.J.**, Walter, F.M., & Buxton, M.M. 2010, *SMARTS Revealed*, Proceedings of the SPIE 7737, 31

16. Metcalfe, T.S., Judge, P.G., Basu, S., **Henry, T.J.**, Soderblom, D.R., Knobel, M., & Rempel, M. 2009, *Activity Cycles of Southern Asteroseismic Targets*, Proceedings of the Solar Analogs II Workshop

15. Subasavage, J.P., **Henry, T.J.**, Jao, W.C., Nelan, E.P., Harris, H.C. & Dahn, C.C. 2009, *Calibrating Cosmological Chronometers: White Dwarfs Masses via Astrometry*, Journal of Physics Conference Series 172, 2017

14. Jao, W.C., **Henry, T.J.**, Subasavage, J.P., Ianna, P.A., Costa, E., & Mendez, R.A. 2008, *Spying on Your Neighbors with Ultra-high Precision in A Giant Step: from Milli- to Micro-arcsecond Astrometry*, Proceedings of IAU Symposium 248, 421

13. Berger, D.H., ten Brummelaar, T.A., Gies, D.R., **Henry, T.J.**, McAlister, H.A., Merand, A., Sturmann, J., Sturmann, L., Turner, N.H., Aufdenberg, J.P., & Ridgway, S.T. 2008, *The Radius-Luminosity Relation from Near-Infrared Interferometry: New M Dwarf Sizes from the CHARA Array*, ASP Conference Series 384, 226

12. Subasavage, J.P., **Henry, T.J.**, Bergeron, P., Dufour, P., Hambly, N.C., & Beaulieu, T.D. 2007, *Identifying and Characterizing New Nearby White Dwarfs*, PASP, 372, 53

11. Golimowski, D.G., Minniti, D., **Henry, T.J.** & Ford, H.C. 2007, *Preliminary Orbit and Masses of the Nearby Binary L Dwarf GJ 1001 BC*, Proceedings of IAU Symposium 240, 329

10. Raghavan, D., McAlister, H., **Henry, T.J.**, & Mason, B.D. 2007, *A Survey of Stellar Families: Multiplicity Among Solar-Type Stars*, Proceedings of IAU Symposium 240, 254
9. Metcalfe, T.S., **Henry, T.J.**, Knolker, M., & Soderblom, D.R. 2006, *Calibrating the Solar Dynamo: Magnetic Activity Cycles of Southern Sun-like Stars*, Proceedings of SOHO 18/GONG 2006/HELAS I, Beyond the Spherical Sun, eds. K. Fletcher & M. Thompson, published on CDROM, p. 111
8. Costa, E., Mendez, R.A., Jao, W.C., **Henry, T.J.**, & Ianna, P.A. 2006, *1.5m CTIOPI: A Southern Parallax Investigation* in XI IAU Regional Latin American Meeting of Astronomy, eds. L. Infante & M. Rubio, RMxAA Conference Series, 26, 168
7. Mendez, R.A., Costa, E., **Henry, T.J.**, Jao, W.C., & Ianna, P.A. 2006, *Trigonometric Parallaxes from the Southern Hemisphere* in Third International Meeting of Dynamical Astronomy in Latin America, eds. C. Abad, A. Bongiovanni, & Y. Guillen, RMxAA Conference Series, 25, 53
6. Jao, W.C., **Henry, T.J.**, Subasavage, J.P., & Beaulieu, T.D. 2005, *Where the Stellar Road Runners Are in the Sky* in Astrometry in the Age of the Next Generation of Large Telescopes, eds. P.K. Seidelmann & A.K.B. Monet, ASP Conference Series, 338, 268
5. Mendez, R.A., Costa, E., **Henry, T.J.**, & Ianna, P.A. 2003, *A Trigonometric Parallax Survey of the Southern Skies* in Astrometry in Latin America, ADeLA Publication Series, ed. R. Teixeira et al., 1, 1
4. Benedict, G.F., **Henry, T.J.**, McArthur, B.E., Gies, D.R., Golimowski, D.A., Ianna, P.A., Mason, B.D., Nelan, E.P., & Torres, G. 2003, *The Mass-Luminosity Relation and Space-Based Interferometry: From the Hubble Space Telescope to the Space Interferometry Mission* in Interferometry in Space, ed. M. Shao, Proceedings of the SPIE, 4852, 110
3. **Henry, T.J.**, Soderblom, D.R., Baliunas, S.L., Davis, R.J., Donahue, R.A., Latham, D.W., Stefanik, R.P., Torres, G., Duquennoy, A., Mayor, M., Andersen, J., Nordstrom, B., & Olsen, E. 1995, *The Current State of Target Selection for NASA's High Resolution Microwave Survey* in Progress in the Search for Extraterrestrial Life, ed. S. Shostak, ASP Conference Series, 74, 207
2. **Henry, T.J.** 1994, *Reconnaissance of the Nearby Stars*, Proceedings of the 8th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun, ed. J.P. Caillault, ASP Conference Series, 64, 569
1. McCarthy, Jr., D.W., Christou, J.C., & **Henry, T.J.** 1988, *Near-Infrared Imaging of Low Mass Objects as Close Companions to Nearby Stars*, ESO Workshop Proceedings, 29, 541



## Science Colloquia

37. September 2015 United States Naval Observatory, Flagstaff, AZ
36. October 2014 Yale University, New Haven, CT
35. February 2014 Georgia Institute of Technology, Atlanta, GA
34. June 2013 Illinois Wesleyan University, Bloomington, IN
33. May 2013 Las Cumbres Observatory, Santa Barbara, CA
32. November 2012 Vanderbilt University, Nashville, TN
31. November 2012 Pennsylvania State University, State College, PA
30. October 2012 University of Georgia, Athens, GA
29. September 2012 Mississippi State University, Starkville, MS
28. January 2012 Harvard-Smithsonian Center for Astrophysics, Boston, MA
27. August 2011 Las Cumbres Observatory, Santa Barbara, CA
26. September 2010 Carnegie Institution for Science, Washington, DC
25. May 2010 Lowell Observatory, Flagstaff, AZ
24. June 2009 Jet Propulsion Laboratory, Pasadena, CA
23. September 2008 Yale University, New Haven, CT
22. January 2008 Lehigh University, Bethlehem, PA
21. October 2007 Cerro Tololo Inter-american Observatory, Chile
20. October 2007 University of St. Andrews, Scotland
19. September 2007 Royal Observatory of Edinburgh, Scotland
18. June 2006 Dartmouth College, Hanover, NH
17. April 2006 Yale University, New Haven, CT
16. March 2004 Swarthmore College, Swarthmore, PA
15. November 2002 Emory University, Atlanta, GA
14. March 2000 Georgia State University, Atlanta, GA
13. April 1999 University of Pennsylvania, Philadelphia, PA

12. December 1999 Johns Hopkins University, Baltimore, MD
11. November 1998 Massachusetts Institute of Technology, Cambridge, MA
10. April 1998 University of Pennsylvania, Philadelphia, PA
9. April 1998 State University of New York, Stony Brook, NY
8. March 1998 Wesleyan University, Middleton, CT
7. April 1997 Space Telescope Science Institute, Baltimore, MD
6. March 1997 Villanova University, Villanova, PA
5. March 1997 University of Massachusetts, Amherst. MA
4. April 1996 University of Virginia, Charlottesville, VA
3. March 1996 Georgia State University, Atlanta, GA
2. August 1995 Cerro Tololo Inter-American Observatory, La Serena, Chile
1. April 1995 San Francisco State University, San Francisco, CA

## External Funding — Continuing

- 2017-2021      Received as Principal Investigator  
*RECONS Explores the Nearest Stars*  
\$495,997 from the National Science Foundation
- 2015-2018      Received as Principal Investigator  
*Exploring the Nearest Stars on Solar System Scales*  
\$243,528 from the National Science Foundation
- 2014-2018      Received as Principal Investigator  
*Pinpointing the Characteristics of Stars and Not Stars*  
\$67,544 from the Space Telescope Science Institute

## External Funding — Concluded (since 2000)

- 2014-2017      Received as Principal Investigator  
*Stars and Not Stars: RECONS Studies the Nearby Dwarfs*  
\$481,104 from the National Science Foundation
- 2012-2016      Received as Co-Investigator (PI: Sergio Dieterich, GSU)  
*Probing Fundamental Parameters with HST/STIS Spectroscopy*  
\$70,760 from the Space Telescope Science Institute
- 2015-2016      Received as Co-Investigator (PI: Wei-Chun Jao, GSU)  
*Monitoring the Closest Stars in K2 Fields 8 and 10*  
\$20,000 from NASA
- 2012-2015      Received as Co-Investigator (PI: Linda French, IWU)  
*Photometric Survey of Jovian Trojans*  
\$256,451 from the National Science Foundation
- 2011-2014      Received as Principal Investigator  
*More than 1000 Points of Light*  
\$232,316 from the National Science Foundation
- 2011-2013      Received as Co-Investigator (PI: Wei-Chun Jao, GSU)  
*The Weight-Watchers Program for Subdwarfs*  
\$32,468 from the Space Telescope Science Institute
- 2009-2013      Received as Principal Investigator  
*The RECONS Survey of the Solar Neighborhood*  
\$581,591 from the National Science Foundation

2009-2011 Received as Co-Investigator (PI: Doug Gies, GSU)  
*Binaries at the Extremes of the H-R Diagram*  
\$265,995 from the Space Telescope Science Institute

2000-2010 Received as Principal Investigator  
*A MASSIF Effort to Determine the Stellar Mass-Luminosity Relation*  
\$2,488,540 from the Jet Propulsion Laboratory

2008-2010 Received as Principal Investigator  
*Interplanetary Stellar Parallax Investigation via Cassini*  
\$50,000 from NASA

2002-2010 Received as Co-Investigator (PI: David Golimowski, JHU)  
*Completing a Near-Infrared Search for Very Low Mass Companions*  
\$38,849 from the Space Telescope Science Institute

2000-2009 Received as Principal Investigator  
*Calibrating the MLR at the End of the Main Sequence*  
\$778,514 from the Space Telescope Science Institute

2005-2009 Received as Principal Investigator  
*The RECONS Investigation of the Solar Neighborhood*  
\$522,966 from the National Science Foundation

2006-2008 Received as Co-Investigator (PI: Wei-Chun Jao, GSU)  
*The Weight-Watchers Program for Subdwarfs*  
\$81,860 from the Space Telescope Science Institute

2006-2008 Received as Co-Investigator (PI: John Subasavage, GSU)  
*Calibrating Cosmological Chronometers: White Dwarf Masses*  
\$134,560 from the Space Telescope Science Institute

2003-2005 Received as Principal Investigator  
*Support of CTIO 0.9m Telescope Under SMARTS*  
\$54,000 from Yale University

2002-2003 Received as Principal Investigator  
*The CTIOPI Effort to Discover Nearby Southern Stars*  
\$21,000 from the NASA Ames Research Center

2000-2002 Received as Principal Investigator  
*Speedy Gonzales Mass Determinations*  
\$72,208 from the Space Telescope Science Institute

## Internal Funding from Georgia State University

- 2003-2017      Received as Principal Investigator  
*SMARTS Research at Georgia State University*  
\$800,000 from GSU Office of Research & Sponsored Programs
- 2005-2009      Received as Co-Investigator (PI: Harold McAlister, GSU)  
*Research in the Center for High Angular Resolution Astronomy*  
\$162,000 from GSU Office of Research & Award Administration

## Professional Organization Activities

2017-present	Principle Scientist Small and Moderate Aperture Research Telescope System (SMARTS)
2017-present	Director / Operations Manager, CTIO 1.5m Telescope Small and Moderate Aperture Research Telescope System (SMARTS)
2015-present	Member, Observatory Council Association of Universities for Research in Astronomy
2014-present	Member, NOAO-South Facilities Operations Advisory Committee Association of Universities for Research in Astronomy
2014-present	Chair, AAS FAMOUS Grants Committee American Astronomical Society
2013-present	AAS Agent American Astronomical Society
2011-present	Co-Chair LSST: Differential Astrometry Working Group
2011-present	Member LSST: Stars, Milky Way, & Local Volume Science Collaboration
2003-present	Director / Operations Manager, CTIO 0.9m Telescope Small and Moderate Aperture Research Telescope System (SMARTS)
2002-present	GSU Representative Small and Moderate Aperture Research Telescope System (SMARTS)
1999-present	Principal Investigator CTIOPI Southern Hemisphere Astrometry/Photometry Project
1994-present	Director RECONS (Research Consortium on Nearby Stars)
1987-present	Member American Astronomical Society
2013-2017	Co-Chair LSST: The Solar Neighborhood Working Group

2016-2017	Member, Task Force on Society Governance American Astronomical Society
2012-2015	Councilor American Astronomical Society
2015, 2008 2005, 1999	Panel Member — Galactic Astronomy Hubble Space Telescope Time Allocation Committee, Baltimore, MD
2010	Panel Member NSF Populations, Abundances, Surveys, & Structure, Washington, DC
2009	Panel Member LSST Consortium Science Proposals, Tucson, AZ
2009	Co-Organizer of Four Special Sessions, <i>The Decade of Astrometry</i> American Astronomical Society Meeting, Pasadena, CA
2009	Lead Author of White Paper, <i>Ground-Based Astrometry 2010-2020</i> submitted to the Decadal Survey
2008	Panel Member NASA Exoplanets Panel Review, Washington, DC
2008	Organizer — Stellar Maps with NASA's Space Interferometry Mission Tiger Team Meeting to Develop Mission Goals, Atlanta, GA
2005	Panel Leader — Stellar Astrophysics SETI Institute: M Dwarf Habitable Zones, Mountain View, CA
2004	Organizer of Two Special Sessions, <i>Nearby Stars I and II</i> American Astronomical Society Meeting, Atlanta, GA
2001	Panel Member — Science NASA's FAME Assessment Review, Washington, DC
2001	Representative NOAO Users Committee, Tucson, AZ
2001	Reviewer Michelson Fellowship Program Committee
2000-2010	Science Team Member NASA's Space Interferometry Mission (SIM) Astrometric Observatory

1999-2003	Member NOAO Surveys Committee, Tucson, AZ
1999	Organizer of International Meeting Nearby Stars (NStars) Workshop, Mountain View, CA
1998-2006	Member Infrared Array Camera Guaranteed Time Observer Team
1998-2003	Project Scientist NASA/NSF NStars Project
1998	Panel Member — Companion Detection NASA Origins of Solar Systems Committee
1997	Panel Member — Extrasolar Planets NOAO Committee on Capabilities for Large Telescopes
1995-2010	Principal Investigator Hubble Space Telescope General Observer Program, Stellar Masses



## **Courses Taught at Georgia State University**

ASTR 1010	Astronomy of the Solar System
ASTR 1020	Stellar and Galactic Astronomy
ASTR 3500	Fundamentals of Astronomy and Astrophysics
ASTR 4900	Senior Research in Physics and Astronomy
ASTR 8850	Planetary Sciences
ASTR 8900	Seminar in Astronomy
PERS 2002	Scientific Perspectives on Global Problems — Life on Other Worlds

## **Teaching Experience Beyond the Classroom**

2001-2007	Director, GSU Summer Student Program in Astronomy Georgia State University
1999-2000	Director, RECONS Group Johns Hopkins University
1992-1997	Summer Student Program Space Telescope Science Institute
1992-1996	Director, Students' Hands On Physics (SHOP) Inner City Program Baltimore City Schools
1988-1992	Astronomy Camps for Teenagers and Adults University of Arizona
1986-1989	Undergraduate Laboratories and Student Athlete Tutoring University of Arizona

## **Administrative Experience at Georgia State University**

2006-present	Department Tenure Committee
2002-present	Chair, SMARTS Users Committee
2001-present	Department Faculty Search Committee
2001-present	Astronomy Ph.D. Exam Qualifying Committee
2000-present	Graduate Recruitment/Admissions/Curriculum Committee
2012-2014	Director, Graduate Program in Astronomy
2012-2014	Department of Physics & Astronomy Executive Committee
2011-2012	McNair Scholars Program Advisory Board
2004-2008	Department of Physics & Astronomy Executive Committee
2002-2004	College of Arts & Sciences Executive Committee

## Doctoral Dissertations Supervised

- 2020 (goal)      **Leonardo A. Paredes**  
*A Survey of Companions to Nearby K Dwarf Stars*
- 2018 (goal)      **Michele L. Silverstein**  
*The Sizes, Ages, and Disks of 2000 Nearby Red Dwarfs*
- 2017              **Tiffany D. Clements**  
*Nearby M Dwarf Stars and The Wide Main Sequence*
- 2017              **Joseph P. Chatelain**  
*De Ilii Coloribus: Photometric Study of the Largest Jupiter Trojan Asteroids*
- 2015              **Jennifer G. Winters**  
*Nearby Red Dwarfs & Their Dance Partners: Characterizing More Than 2000 Single & Multiple M Dwarfs Near the Sun*
- 2013              **Sergio B. Dieterich**  
*Characterization of the Stellar/Substellar Boundary*
- 2012              **Adric R. Riedel**  
*Hiding in Plain Sight*
- 2007              **John P. Subasavage**  
*White Dwarfs in the Solar Neighborhood*
- 2004              **Wei-Chun Jao**  
*Discovery and Characterization of the Highest Proper Motion Stars*

## Masters Theses Supervised

- 2020 (goal)      **Hodari S. James**  
*Extrasolar Planets Orbiting the Nearest Stars*
- 2019 (goal)      **Eliot H. Vrimoet**  
*Masses of 100 M Dwarf Stars*
- 2019 (goal)      **Daniel A. Nusdeo**  
*Stellar Companions to K Dwarfs on Solar System Scales*
- 2018 (goal)      **Leonardo A. Paredes**

*K Dwarf Companion via the CHIRON Spectrograph*

- 2016      **Michele L. Silverstein**  
*Circumstellar Environments of M Dwarfs in the Solar Neighborhood*
- 2013      **Tiffany D. Pewett**  
*Exploring the Centaurs of the Solar System*
- 2013      **Sergio B. Dieterich**  
*HLIMIT: Pinpointing the End of the Stellar Main Sequence*
- 2012      **Joseph P. Chatelain**  
*Photometric Study of Jupiter's Greeks and Trojans*
- 2012      **Jennifer G. Winters**  
*Characterization of Nearby SuperCOSMOS-RECONS Stars*
- 2009      **Adric R. Riedel**  
*Discovery of Young Stars Near the Sun*
- 2009      **Justin R. Cantrell**  
*Habitable Real Estate in the Solar Neighborhood*
- 2007      **Misty A. Brown**  
*Discovery of Nearby Stars with Moderate Proper Motions*
- 2007      **Krupa Gandha**  
*Orbits of Ten Binaries within Ten Parsecs*
- 2007      **Charlie T. Finch**  
*Discovery of Nearby Stars with Small Proper Motions*
- 2005      **Thomas D. Beaulieu**  
*A Standard Spectral Sequence of Red Dwarf Stars*
- 2005      **John P. Subasavage**  
*High Proper Motion Stars from SuperCOSMOS*

**Undergraduate Research Supervised (since 2000)**

- Spring 2017      **R. Andrew Sevrinsky, Undergraduate of the Year (GSU)**  
*Hubble Space Telescope Observations of Red/Brown Dwarfs*

- Summer 2016 **Adit Patel (GSU)**  
*Characterizing 6000 New Nearby Stars*
- Summer 2016 **Fahim Zaman (GSU)**  
*Photometric Effects of Close Sources in 2MASS/WISE Data*
- Spring 2016 **R. Andrew Sevrinsky (GSU)**  
*Masses of Red and Brown Dwarfs*
- Fall 2015 **Daniel Nusdeo (Southern Connecticut State University)**  
*Stellar Companions to K Dwarfs*
- Summer 2015 **R. Andrew Sevrinsky (GSU)**  
*Distances to a Large Sample of Nearby Red Dwarfs*
- Summer 2014 **Altonio Hosey (GSU)**  
*Long-Term Photometric Cycles in Red Dwarfs*
- Justin Rodriguez (GSU)**  
*Photometry of Stars within 25 Parsecs*
- R. Andrew Sevrinsky (GSU)**  
*Parallaxes of Stars within 50 Parsecs*
- Summer 2013 **Altonio Hosey (GSU)**  
*Stellar Variability of Southern Red Dwarfs*
- John Lurie (GSU)**  
*A Search for Planets Orbiting Nearby M Dwarfs*
- Justin Rodriguez (GSU)**  
*Building a Database of Stars within 25 Parsecs*
- Summer 2012 **Mark Boyd (GSU)**  
*Fine Wines: Red Dwarf-White Dwarf Binary Systems*
- Altonio Hosey, McNair Scholar (GSU)**  
*Stellar Variability of Southern Red Dwarfs*
- John Lurie (GSU)**  
*Astrometric Studies of Red and White Dwarfs*
- Summer 2011 **Mark Boyd (GSU)**  
*Wide Binary Stars in the Solar Neighborhood*

- Altonio Hosey, McNair Scholar (GSU)**  
*How Many Red Dwarf Systems Are Known in the Southern Sky?*
- Summer 2010 **Mark Boyd (Georgia Institute of Technology)**  
*Faint Proper Motion Stars in the Southern Sky*
- Spring 2010 **Benjamin McCormick (GSU)**  
*Buidling a Database of Nearby Star Candidates*
- Summer 2009 **Mark Boyd (Georgia Institute of Technology)**  
*A Search for Proper Motion Stars in the Southern Sky*
- Summer 2008 **Ryan Ocean (GSU)**  
*Database of Stars within 10 Parsecs*
- Summer 2007 **Jessica Echols (GSU)**  
*Life Around an M Dwarf Star*
- Summer 2006 **Justin Cantrell (GSU)**  
*A Comprehensive Picture of the Habitable Zones of Nearby Stars*
- Stephanie Ramos (GSU)**  
*Techniques in Communicating Science*
- Jennifer Winters (GSU)**  
*Photometric Studies of Nearby Stars from SuperCOSMOS*
- Summer 2005 **Justin Cantrell (GSU)** in collaboration with Hektor Monteiro  
*Morphologies of Planetary Nebulae*
- Charlie Finch (GSU)**  
*Optical Photometry for the NStars (Nearby Stars) Database*
- Stephanie Ramos (GSU)** in collaboration with Wei-Chun Jao  
*Search for Subdwarfs at Distances less than 60 Parsecs*
- Jennifer Winters (GSU)**  
*Revealing Hidden Binaries in Nearby Star Samples*
- Summer 2004 **Misty Brown (GSU)**  
*Discovery of New Nearby Stars in the SuperCOSMOS Database*
- Charlie Finch (GSU)**  
*Proper Motion Companions to Nearby Stars*

- Jennifer Winters (GSU)**  
*Evaluation of Optical and Infrared Photometric Data Quality*
- Fall 2003      **Francine Beaulieu (GSU)**  
*Audience Participation in Astronomy*
- Summer 2003      **Misty Brown (GSU)**  
*Development of an Astrometric Database for CTIOPI Observations*
- Charlie Finch (GSU)**  
*Research on Optical Photometry of Nearby Stars*
- Jennifer Winters (GSU)**  
*Creation of a Photometric Database of Nearby Stars*
- Summer 2002      **Jacob Bean (Georgia Institute of Technology)**  
*Astrometric Measurement of Multiple Stars in CTIOPI*
- Misty Brown (GSU)**  
*The Infrared Brightness of Nearby Stars*
- Benjamin Moore (GSU)**  
*Mapping the Motions of Stars in Binary Systems*
- Summer 2001      **Jacob Bean (Georgia Institute of Technology)**  
*Search for Intriguing Binaries within 25 Parsecs of the Sun*
- David Heidel (GSU)**  
*Orbital Maps for Binaries Observed with the Hubble Space Telescope*
- Spring 2001      **Jennifer King (Georgia Institute of Technology)**  
*Titan's Spectrum and a Comparison to Uranus and Neptune*

## Popular Articles

10. **Henry, T.J.** 2018, *The Nearest Stars* in *The Observer's Handbook 2018*, ed. J. Edgar, The Royal Astronomical Society of Canada, p. 286-290
9. **Henry, T.J.** 2017, *The Nearest Stars* in *The Observer's Handbook 2017*, ed. J. Edgar, The Royal Astronomical Society of Canada, p. 286-290
8. **Henry, T.J.** 2016, *The Nearest Stars* in *The Observer's Handbook 2016*, ed. D. Chapman, The Royal Astronomical Society of Canada, p. 286-290
7. **Henry, T.J.** 2015, *The Nearest Stars* in *The Observer's Handbook 2015*, ed. D. Chapman, The Royal Astronomical Society of Canada, p. 286-290
6. **Henry, T.J.** 2014, *The Nearest Stars* in *The Observer's Handbook 2014*, ed. D. Chapman, The Royal Astronomical Society of Canada, p. 286-290
5. **Henry, T.J.** 2013, *The Nearest Stars* in *The Observer's Handbook 2013*, ed. D. Chapman, The Royal Astronomical Society of Canada, p. 284-288
4. **Henry, T.J.** 2012, *The Nearest Stars* in *The Observer's Handbook 2012*, ed. D. Chapman, The Royal Astronomical Society of Canada, p. 288-292
3. **Henry, T.J.** 2011, *The Nearest Stars* in *The Observer's Handbook 2011*, ed. P. Kelly, The Royal Astronomical Society of Canada, p. 290-294
2. **Henry, T.J.** 2010, *The Nearest Stars* in *The Observer's Handbook 2010*, ed. P. Kelly, The Royal Astronomical Society of Canada, p. 280-284
1. **Henry, T.J.** 1996, *Brown Dwarfs Revealed — At Last!* in *Sky & Telescope*, April issue, p. 24

## Educational/Public Outreach Paper

1. Saken, J.M. & **Henry, T.J.** 1996, *Students' Hands-On Physics (SHOP)* in *Astronomy Education: Current Developments, Future Coordination*, ed. J.R. Percy, (San Francisco: Astronomical Society of the Pacific), p. 272

## Educational/Public Outreach Initiatives (since 1992)

- |      |  |
|------|--|
| 2002 | assisted in development of accurate stellar colors in <i>Are We Alone?</i> , a film for the Hayden Planetarium at the American Museum of Natural History, New York, NY |
| 1999 | provided list of nearby stars and their characteristics, and   |

- helped develop 3D representation for the map, *The Universe*  
for National Geographic Magazine
- 1998-present      provided table *The Nearest Stars* for astronomy textbook  
The Cosmic Perspective (Appendix F)  
by J. Bennett, M. Donahue, N. Schneider, & M. Voit
- 1997                assisted in creating video sequence of stars near the Sun for  
the television program, *Are We Alone?*  
produced by CineNova Productions Inc.
- 1997                provided table *The Nearest Stars* for astronomy textbook  
Voyages Through the Universe (Appendix 10)  
by A. Fraknoi, D. Morrison, & S. Wolff
- 1994                narrated film segment for the interactive project  
*Astronomy Village: Investigating the Universe*  
coordinated by S. Pompea

### **Educational/Public Outreach Talks (since 1992)**

18. September 2011      SAIL Program Invited Speaker  
Georgia State University, Atlanta, GA  
*Always Be Thinking of New Ideas*
17. August 2011        Benjamin Dean Lecture  
California Academy of Sciences, San Francisco, CA  
*Your Map to the Stars: Exploring the Sun's Neighborhood*
16. June 2009            Fun Physics Camp  
Georgia State University, Atlanta, GA  
*Nearby Space and Other Worlds*
15. October 2007        Open Days of Scotland  
Royal Observatory of Edinburgh, Scotland  
*A Tour of the Solar Neighborhood*
14. April 2007            Senior University of Greater Atlanta  
Mercer University, Atlanta, GA  
*Georgia State University Astronomy*
13. July 2005            Michelson Summer School  
California Institute of Technology, Pasadena, CA



*Ground-Based Parallax Programs*

12. January 2005 NSF Research/Education Discussion Panel  
American Astronomical Society Meeting, San Diego, CA  
*Integrating Research with Education and Public Outreach*
11. September 2001 Distinguished Speakers Series  
American Museum of Natural History, New York, NY  
*Suspicious Characters Lurking in the Solar Neighborhood*
10. August 2001 Edinburgh Astronomy and Technology Public Lecture  
University of Edinburgh, Scotland  
*Cool Neighbors Lurking in the Dark*
9. March 2001 Georgia Astronomy Club  
Emory University, Atlanta, GA  
*Who Are Your Neighbors and How Much Do They Weigh?*
8. April 1997 School of Continuing Studies  
Johns Hopkins University, Baltimore, MD  
*Targeting Nearby Stars that Might Harbor Life*
7. July 1996 Maryland State Governor's Academy  
Towson State University, Towson, MD  
*Habitat Design Project*
6. July 1995 Maryland State Governor's Academy  
Towson State University, Towson, MD  
*Habitat Design Project*
5. March 1995 Open Night at the Institute  
Space Telescope Science Institute, Baltimore, MD  
*Knock Knock on Stellar Doors: Is ET Home?*
4. July 1994 Science Writing Workshop  
George Washington University, Washington, DC  
*The Solar Neighbors in the Murky Depths of the Main Sequence*
3. August 1993 Maryland Space Grant Consortium *A Visit to the Third Planet*  
Johns Hopkins University, Baltimore, MD  
*The Greenhouse Effect*
2. April 1993 Arizona Astronomy Camp for Adults  
University of Arizona, Tucson, AZ

*NASA Hears a Who?*

1. June 1992 Arizona Astronomy Camp for Advanced Teens  
University of Arizona, Tucson, AZ  
*Humanity Hears a Who?*

**School Visits (since 2000)**

4. June 2009 Cook Elementary School, 1st grade class, Atlanta, GA
3. January 2007 Galloway School, 6th grade class, Atlanta, GA
2. April 2004 Oak Knoll Elementary School, 4th grade class, Atlanta, GA
1. October 2001 Galloway School, 4th grade class, Atlanta, GA

**Distance Running**

- |            |   |
|------------|---|
| 1980-2017  | completed 47 marathons — best time 2 hours 35 minutes   |
| 1991-2017  | 27-time qualifier and finisher of the Boston Marathon<br>member of Boston Marathon Quarter Century Club |
| 1995-2008  | completed at least one marathon on all seven continents   |
| 2007       | Kenya Safaricom Marathon, Masters Champion  |
| 1995       | Antarctica Marathon (inaugural), Second Place   |
| 1993, 1996 | Baltimore Road Runners Club, Runner of the Year   |