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

2021 Alumni Distinguished Professorship Award

2020 Legacy Fellow of the American Astronomical Society (Inaugural Class)

2018 College of Arts & Sciences Outstanding Undergraduate Mentor

2018 Inaugural Physics Colloquium Speaker, High Point University, NC

2012 Carl R. Nave Award for Outstanding Educator in Physics & Astronomy

2007 Scottish University Physics Alliance Distinguished Visitor

Refereed Journal Publications

149. Jao, W.C., **Henry, T.J.**, White, R.J., Nisak, A.H., Hubbard-James, H.S., Paredes, L.A., & Lewis, V.B. 2023, *Mind the Gap I: Hα Activity of M Dwarfs Near the Partially/Fully Convective Boundary and a New Hα Emission Deficiency Zone on the Main Sequence*, AJ, 166, 63

148. Tristan, T.I., Notsu, Y., Kowalski, A.F., Brown, A., Wisniewski, J.P., Osten, R.A., Vrijmoet, E.H., White, G.L., Carter, B.D., Grady, C.A., **Henry, T.J.**, et al. 2023, *A 7 Day Multiwavelength Flare Campaign on AU Mic I: High-time-resolution Light Curves and the Thermal Empirical Neupert Effect*, ApJ, 951, 33

147. Jao, W.C., Couperus, A.A., Vrijmoet, E.H., Wright, N.J., & **Henry, T.J.** 2022, *Estimating the Convective Turnover Time*, ApJ, 940, 145

146. Lester, K.V. Schaefer, G.H., Fekel, F.C., Gies, D.R., **Henry, T.J.**, Jao, W.-C., Paredes, L.A., Hubbard-James, H.-S., Farrington, C.D., Gordon, K.D. et al. 2022, *Visual Orbits of Spectroscopic Binaries with the CHARA Array. IV. HD 61859, HD 89822, HD 109510, and HD 191692*, AJ, 164, 228

145. Hubbard-James, H.-S., Lesley, D.X., **Henry, T.J.**, Paredes, L.A., & Nisak, A.H. 2022, *The Solar Neighborhood L: Spectroscopic Discovery of K Dwarfs Younger Than 1 Gyr and New Binaries within 30 pc*, AJ, 164, 174

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143. Salama, M., Ziegler, C., Baranec, C., Liu, M.C., Law, N.M., Riddle, R., **Henry, T.J.**, Winters, J.G., Jao, W.-C., Ou, J., & Ruiz, A.H. 2022, *An Adaptive Optics Census of Companions to Northern Stars Within 25 pc with Robo-AO*, AJ, 163, 200

142. Vrijmoet, E.H., Tokovinin, A., **Henry, T.J.**, Winters, J.G., Horch, E., & Jao, W.-C. 2022, *The Solar Neighborhood XLIX: New Discoveries and Orbits of M Dwarf Multiples with Speckle Interferometry at SOAR*, AJ, 163, 178

141. Silverstein, M.L., Schlieder, J.E., Barclay, T., Hord, B.J., Jao, W.-C., Vrijmoet, E.H., **Henry, T.J.**, Cloutier, R., Kostov, V.B., Kruse, E., et al. 2022, *The LHS 1678 System: Two Earth-sized Transiting Planets and an Astrometric Companion Orbiting an M Dwarf Near the Convective Boundary at 20 pc*, AJ, 163, 151

140. Paredes, L.A., **Henry, T.J.**, Quinn, S.N., Gies, D.R., Hinojosa-Goñi, R., James, H.-S., Jao, W.-C., & White, R.J. 2021, *The Solar Neighborhood XLVIII: Nine Giant Planets Orbiting Nearby K Dwarfs, and the CHIRON Spectrograph's Radial Velocity Performance*, AJ, 162, 176

139. Tokovinin, A., Mason, B.D., Mendez, R.A., Costa, E., Mann, A.W., & **Henry, T.J.** 2021, *Speckle Interferometry at SOAR in 2020*, AJ, 162, 41

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137. Dieterich, S.B., Simler, A., **Henry, T.J.**, & Jao, W.-C. 2021, *The Solar Neighborhood XLVII: Comparing M Dwarf Models with Hubble Space Telescope Dynamical Masses and Spectroscopy*, AJ, 161, 172

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134. Vrijmoet, E.H., **Henry, T.J.**, Jao, W.-C., & Dieterich, S.B. 2020, *The Solar Neighborhood XLVI: Revealing New M Dwarf Binaries and Their Orbital Architectures*, AJ, 160, 215

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128. Horch, E.P., van Belle, G.T., Davidson, J.W., Jr., Willmarth, D., Fekel, F.C., Muterspaugh, M., Casetti-Dinescu, D.I., Hahne, F.W., Granucci, N.M., Clark, C., et al. 2020, *Observations of Binary Stars with the Differential Speckle Survey Instrument. IX. Observations of Known and Suspected Binaries, and a Partial Survey of Be Stars*, AJ, 159, 233

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120. Horch, E.P., Tokovinin, A., Weiss, S.A., Lobb, J., Casetti-Dinescu, D.I., Granucci, N.M., Hess, N.M., Everett, M.E., van Belle, G.T., Winters, J.G., Nusdeo, D.A., **Henry, T.J.**, Howell, S.B., Teske, J.K., Hirsch, L.A., Scott, N.J., Matson, R.A., & Kane, S.R. 2019, *Observations of Binary Stars with the Differential Speckle Survey Instrument VIII: Measures of Metal-poor and Triple Stars from 2015 to 2018*, AJ, 157, 56

119. Wang, S., Jones, M., Shporer, A., Fulton, B.J., Paredes, L.A., Trifonov, T., Kossakowski, D., Eastman, J., Redfield, S., Gunther, M.N., et al. 2019, *HD 202772A b: A Transiting Hot Jupiter around a Bright, Mildly Evolved Star in a Visual Binary Discovered by TESS*, AJ, 157, 51W

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117. Riedel, A.R., Silverstein, M.L., **Henry, T.J.**, Jao, W.-C., Winters, J.G., Subasavage, J.P., Malo, L., & Hambly, N.C. 2018, *The Solar Neighborhood XLIII: Discovery of New Nearby Stars with $\mu \leq 0\farcs18$ yr^{-1} (TINYMO Sample)*, AJ, 156, 49

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114. Mason, B.D., Hartkopf, W.I., Miles, K.N., Subasavage, J.P., Raghavan, D., & **Henry, T.J.** 2018, *Speckle Interferometry of Red Dwarf Stars*, AJ, 155, 215

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109. Riedel, A.R., Alam, M.K., Rice, E.L., Cruz, K.L., & **Henry, T.J.** 2017, *Young Stars with SALT*, ApJ, 840, 87

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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

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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

33. **Henry, T.J.** 2022, Invited Plenary Talk (2022 Sagan Summer Workshop: Exoplanet Science in the Gaia Era, Pasadena, CA): *2000 Years of Astrometry*

32. **Henry, T.J.** 2018, Invited Article: *A Reconnaissance of RECONS*, NOAO Newsletter, 118, 8

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 CRIRES Search for Planets at the Bottom of*

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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 The Journal of Cornell Scientists, 2, 47

Community White Papers

4. Christiansen, J.L., Bennett, D.P., Boss, A.P., Bryson, S., Burt, J.A., Fernandes, R.B., **Henry, T.J.**, Jao, W.C., Johnson, S.A., Meyer, M.R., Mulders, G.D., Mullally, S.E., Nielsen, E.L., Pascucci, I., Pepper, J., Plavchan, P., Ragozzine, D., Rosenthal, L.J., & Vrijmoet, E.H. 2023, *Enabling Exoplanet Demographics Studies with Standardized Exoplanet Survey Meta-Data*, ExoPAG Science Interest Group 2: Exoplanet Demographics, arXiv.2304.12442

3. Pepper, J., Ciardi, D., **Henry, T.J.**, & Mullally, S. 2019, *Durable Agency Support for Exoplanet Catalogs and Archives*, Astro2020: Decadal Survey on Astronomy and Astrophysics, APC white papers, Bulletin of the American Astronomical Society, 51, #128

2. Oey, S., Maccarone, T., Walter, F., Bailyn, C., Gallagher, J., **Henry, T.J.**, Oswalt, T., Buzasi, D., Smith, J.A., Beaton, R., Webb, J., Barlow, B., Bentz, M., Hebb, L., Kelly, P., Isler, J., Meyer, M., Salzer, J., & Scaringi, S. 2019, *2020 Vision: Towards a Sustainable OIR System*, Astro2020: Decadal Survey on Astronomy and Astrophysics, APC white papers, Bulletin of the American Astronomical Society, 51, #95

1. **Henry, T.J.**, Monet, D.G., Shankland, P.D., Reid, M.J., van Altena, W., & Zacharias, N. 2009, *Ground-Based Astrometry 2010-2020*, Astro2010: The Astronomy and Astrophysics Decadal Survey, Science White Papers, #123

Conference Proceedings

28. Hahne, F.W., Horch, E.P., van Belle, G.T., Clark, C., Winters, J.G., & **Henry, T.J.** 2018, *Two-color speckle imaging of M-dwarfs with the Discovery Channel Telescope*, Proceedings of the SPIE 10701, 107012A

27. Horch, E.P., Lobb, J., Howell, S.B., van Altena, W.F., **Henry, T.J.**, & van Belle, G.T. 2018, *Speckle Imaging at Gemini and the DCT*, VII Reunion de Astronomia Dinamica en Latinoamerica, ADeLA Publication Series, eds. A. Garcia-Varela et al., 50, 19

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., Bailyn, 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., Knoelker, 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

45. March 2020	Southern Connecticut State University, New Haven, CT
44. February 2020	Florida Institute of Technology, Melbourne, FL
43. October 2019	Space Telescope Science Institute, Baltimore, MD
42. October 2019	Embry-Riddle Aeronautical University, Dayton Beach, FL
41. September 2019	University of Victoria, Victoria, Canada
40. September 2019	Herzberg Institute of Astrophysics, Victoria, Canada
39. September 2019	University of British Columbia, Vancouver, Canada
38. September 2018	High Point University, High Point, NC
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, La Serena, 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

2023-2026 Received as Principal Investigator
Orbital Architectures of Companions to the Nearest K Dwarfs
$459,926 from the NASA's Exoplanet Research Program

2021-2024 Received as Principal Investigator
RECONS Explores the Long-Term Behavior of Nearby Red Dwarfs
$493,670 from the National Science Foundation

2019-2024 Received as Principal Investigator
SMARTS Operations of CTIO 1.5m+CHIRON for TESS Followup
$364,012 from NASA Jet Propulsion Laboratory

2021-2024 Received as Principal Investigator
Fraternal or Identical? The Magnetic Properties of M Dwarf Twins
$ 65,845 from the Smithsonian Astrophysical Observatory

External Funding — Concluded (since 2000)

2019-2023 Received as Principal Investigator
A Reconnaissance of the 5000 Nearest K Dwarfs
$326,680 from the National Science Foundation

2017-2020 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

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: Serge 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 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

2003-2023 Received as Principal Investigator
SMARTS Research at Georgia State University
$1,229,000 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

2022-present	Member, Advisory Group for NASA's Exoplanet Archive NASA Exoplanet Program
2019-present	Member, Science Interest Group on Exoplanet Demographics NASA Exoplanet Program
2018-present	Member International Astronomical Union
2017-present	Director 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)
2014-present	Chair, AAS FAMOUS Grants Committee American Astronomical Society
2013-present	AAS Agent 001 American Astronomical Society
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
2018-2022	Member, AAS Committee on Astronomy and Public Policy American Astronomical Society
2020-2022	Member, AAS Code of Ethics Committee American Astronomical Society

2021	Member, Science Analysis Group on Exoplanet Host Properties NASA Exoplanet Program
2018-2019	Chair, AAS Dannie Heineman Prize Committee American Astronomical Society
2015-2018	Member, Observatory Council Association of Universities for Research in Astronomy
2014-2018	Member, NOAO-South Facilities Operations Advisory Committee Association of Universities for Research in Astronomy
2013-2017	Co-Chair LSST: The Solar Neighborhood Working Group
2011-2017	Co-Chair LSST: Differential Astrometry Working Group
2011-2017	Member LSST: Stars, Milky Way, & Local Volume Science Collab.
2016-2017	Member, Task Force on Society Governance American Astronomical Society
2012-2015	Councilor American Astronomical Society
2008, 2015 1999, 2005	Panel Member — Galactic Astronomy Hubble Space Telescope Time Allocation Committee, Baltimore, MD
2000-2010	Science Team Member NASA's Space Interferometry Mission (SIM) Astrometric Observatory
1995-2010	Principal Investigator Hubble Space Telescope General Observer Program, Stellar Masses
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, *The Decade of Astrometry* American Astronomical Society Meeting, Pasadena, CA

2009	Lead Author of White Paper, *Ground-Based Astrometry 2010-2020* 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
1998-2006	Member Infrared Array Camera Guaranteed Time Observer Team
2005	Panel Chair — Stellar Astrophysics SETI Institute: M Dwarf Habitable Zones, Mountain View, CA
2004	Organizer of Two Special Sessions, *Nearby Stars I and II* American Astronomical Society Meeting, Atlanta, GA
1999-2003	Member NOAO Surveys Committee, Tucson, AZ
2001	Panel Member — Science NASA's FAME Assessment Review, Washington, DC
2001	Representative NOAO Users Committee, Tucson, AZ
2001	Reviewer Michelson Fellowship Program Committee
1999	Organizer of International Meeting Nearby Stars (NStars) Workshop, Mountain View, CA
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

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 8200	Galactic Structure
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, Summer Student Program in Astronomy Georgia State University
1992-1997	Co-Director, Summer Student Program in Astronomy 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	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. Qualifying Exam Committee
2000-present	Graduate Recruitment/Admissions/Curriculum Committee
2022-2023	Chair, Graduate Student Stipends Task Force
2020-2022	Department of Physics & Astronomy Executive 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

2027 (goal)	**Madison LeBlanc** *Companion Populations to the Most Common Stars in the Galaxy*
2027 (goal)	**Timothy Johns** *Exoplanets in Single and Multiple Star Systems*
2027 (goal)	**Sebastian Carrazco-Gaxiola** *Systematic Reconnaissance of 5000 K Dwarfs within 50 Parsecs*
2025 (goal)	**Aman Kar** *The Habitability of the Nearest Exoplanets*
2025 (goal)	**Andrew C. Couperus** *The Stellar Cycles of the Nearest M Dwarf Stars*
2023	**Hodari-Sadiki Hubbard-James** *Spectral Characterization of a Complete Equatorial Sample of of 615 K Dwarfs*
2023	**Eliot H. Vrijmoet** *Orbital Architectures of M Dwarf Companions*
2022	**Leonardo A. Paredes** *A Radial Velocity Survey for Companions Orbiting Nearby K Dwarf Stars*
2019	**Michele L. Silverstein** *Sizing Up Red Dwarfs in the Solar Neighborhood*
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	**Serge 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

2024 (goal) **Madison LeBlanc**
A Survey of Companions Orbiting M Dwarfs within 25 Parsecs

2024 (goal) **Timothy Johns**
Radial Velocity Investigation of 400 Nearby K Dwarfs

2024 (goal) **Sebastian Carrazco-Gaxiola**
Stellar Parameters of 1200 Nearby K Dwarfs

2022 **Aman Kar**
ATLAS: A Trail to Life Around Stars

2020 **Andrew A. Couperus**
Variability in M Dwarfs from Hours to Decades

2020 **Hodari-Sadiki Hubbard-James**
Extrasolar Planets Orbiting the Nearest Stars

2020 **Daniel A. Nusdeo**
Stellar Companions to K Dwarfs on Solar System Scales

2020 **Leonardo A. Paredes**
K Dwarf Companions via the CHIRON Spectrograph

2020 **Eliot H. Vrijmoet**
Masses of 100 M Dwarf Stars

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 **Serge 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)

Summer 2023 **Nathan Holden (GSU)**
The Orbit of AT Mic AB, the Nearest Pre-Main Sequence Binary

Summer 2022 **Timothy Johns (U. North Florida)**
Observations of K Dwarfs with the CHIRON Spectrograph

Sebastian Carrazco-Gaxiola (Universidad Autonoma de Sinaloa)
Planets Orbiting the Nearest 5000 K Dwarfs

Nathan Holden (GSU)
Investigations of the AU + AT Mic Triple M Dwarf System

Summer 2021	**D. Xavier Lesley (Embry-Riddle Aeronautical University)** *Kinematics of the Nearest K Dwarf Stars*
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

3. **Henry, T.J.** 2023, *The Nearest Stars* in The Observer's Handbook, yearly from 2010–2023, eds. J. Edgar, D. Chapman, P. Kelly, The Royal Astronomical Society of Canada

2. Cooper, K. 2019, *Meet the Neighbors* in Sky & Telescope, January 2019, p. 34-40, article about RECONS with significant input by **Todd Henry**

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)

2014	development of the *The RECONS Movie of The Nearest Stars*, a YouTube based video of stellar systems within 25 parsecs, led by Adric Riedel
2002	assisted in development of accurate stellar colors in *Are We Alone?*, 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+	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)

21. March 2020	Southern Connecticut State University New Haven, CT *Keynote Address: Exploring the Sun's Cooler Cousins*
20. February 2020	Florida Institute of Technology Melbourne, FL *Exploring the Nearest Star Systems*
19. September 2019	Embry-Riddle Evening Talk Daytona Beach, FL *Exploring 10000 of the Nearest Star Systems*
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?

Distance Running

1980-present	completed 54 marathons — best time 2 hours 35 minutes
1991-present	33-time qualifier and finisher of the Boston Marathon 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