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 with 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

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

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

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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

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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

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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

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24. Soderblom, D.R., King, J.R., & **Henry, T.J.**, 1998, *High-Resolution Spectroscopy of Some Very Active Southern Stars*, AJ, 116, 396

23. Soderblom, D.R., King, J.R., Siess, L., Noll, K.S., Gilmore, D.M., **Henry, T.J.**, Nelan, E., Burrows, C.J., Brown, R.W., Perryman, M.A.C., Benedict, G.F., McArthur, B.J., Franz, O.G., Wasserman, L.H., Jones, B.F., Latham, D.W., Torres, G., & Stefanik, R.P. 1998, *HD 98800: A Unique Stellar System of Post-T Tauri Stars*, ApJ, 498, 385

22. Leinert, Ch., **Henry, T.J.**, Glindemann, A., & McCarthy, Jr., D.W. 1997, *A Search for Companions to Nearby Southern M Dwarfs with Near-Infrared Speckle Interferometry*, A&A, 325, 159

21. **Henry, T.J.**, Ianna, P.A., Kirkpatrick, J.D., & Jahreiss, H. 1997, *The Solar Neighborhood IV. Discovery of the Twentieth Nearest Star System*, AJ, 114, 388

20. Kirkpatrick, J.D., **Henry, T.J.**, & Irwin, M.J. 1997, *Ultra-cool M Dwarfs Discovered by QSO Surveys I: The APM Objects*, AJ, 113, 1421

19. Simons, D.A., **Henry, T.J.**, & Kirkpatrick, J.D. 1996, *The Solar Neighborhood III. A Near Infrared Search for Widely Separated Low Mass Binaries*, AJ, 112, 2238

18. Soderblom, D.R., **Henry, T.J.**, Shetrone, M.D., Jones, B.F., & Saar, S.H. 1996, *The Age-Related Properties of HD 98800*, ApJ, 460, 984

17. **Henry, T.J.**, Soderblom, D.R., Donahue, R.A., & Baliunas, S.L. 1996, *A Survey of Ca II H and K Chromospheric Emission in Southern Solar-Type Stars*, AJ, 111, 439

16. Kirkpatrick, J.D., **Henry, T.J.**, & Simons, D.A. 1995, *The Solar Neighborhood II. The First List of Dwarfs with Spectral Types of M7 and Cooler*, AJ, 109, 797

15. **Henry, T.J.**, Kirkpatrick, J.D., & Simons, D.A.1994, *The Solar Neighborhood I. Standard Spectral Types (K5 to M8) for Northern Dwarfs within Eight Parsecs*, AJ, 108, 1437

14. Coppenbarger, D.S., **Henry, T.J.**, & McCarthy, Jr., D.W. 1994, *Ross 614AB: A Redetermination of the Masses One Orbit Later*, AJ, 107, 1551

13. **Henry, T.J.** & McCarthy, Jr., D.W. 1993, *The Mass-Luminosity Relation for Stars of Mass 1.0 to 0.08* $M_{\odot}$, AJ, 106, 773

12. Kirkpatrick, J.D., **Henry, T.J.**, & Liebert, J. 1993, *The Unique Spectrum of the Brown Dwarf Candidate GD 165B and Comparison to the Spectra of Other Low-Luminosity Objects*, ApJ, 406, 701

11. Freeman, J.D., **Henry, T.J.**, & McCarthy, Jr., D.W. 1992, *Robust Regression Applied to Estimation of Object Parameters from Astronomical Speckle Interferometry*, JOSA, 9, 2149

10. **Henry, T.J.**, McCarthy, Jr., D.W., Freeman, J.D., & Christou, J.C. 1992, *A Nearby Solar-Type Star with a Low-Mass Companion: New Sensitivity Limits Reached Using Speckle Imaging*, AJ, 103, 1369

9. **Henry, T.J.**, Johnson, D.S., McCarthy, Jr., D.W., & Kirkpatrick, J.D. 1992, *Red/Infrared Observations of Wolf 424AB: Are the Components Substellar?*, A&A, 254, 116

8. Kirkpatrick, J.D., **Henry, T.J.**, & McCarthy, Jr., D.W. 1991, *A Standard Stellar Spectral Sequence in the Red/Near-Infrared: Classes K5 to M9*, ApJS, 77, 417

7. Thompson, W.R., **Henry, T.J.**, Schwartz, J.M., Khare, B.N., & Sagan, C. 1991, *Plasma Discharge in N2 + CH4 at Low Pressures: Experimental Results and Applications to Titan*, Icarus, 90, 57

6. McCarthy, Jr., D.W., **Henry, T.J.**, McLeod, B.A., & Christou, J.C. 1991, *The Low Mass Companion of Gliese 22A: First Results of the Steward Observatory Infrared Speckle Camera*, AJ, 101, 214

5. **Henry, T.J.** & Kirkpatrick, J.D. 1990, *The Companion to Gliese 569*, ApJL, 354, L29

4. **Henry, T.J.** & McCarthy, Jr., D.W. 1990, *A Systematic Search for Brown Dwarfs Orbiting Nearby Stars*, ApJ, 350, 334

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

2. Thompson, W.R., **Henry, T.J.**, Khare, B.N., Flynn, L., Schwartz, J.M., & Sagan, C. 1987, *Light Hydrocarbons from Plasma Discharge in H2/He/CH4: First Results and Uranian Auroral Chemistry*, J Geophys Res, 92, 15083

1. McCarthy, Jr., D.W. & **Henry, T.J.** 1987, *Direct Infrared Observations of the Very Low Mass Object Gliese 623B*, ApJL, 319, L93

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 Papers

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 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

21. 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

20. Riedel, A.R., **Henry, T.J.**, White, R.J., Song, I., Jensen, E.L.N., & Hambly, N.C. 2010, *Nearby Motionless Stars*, Proceedings of Cool Stars 16 Workshop

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. 2010, *Fundamental Properties of Cool Stars with Interferometry*, Proceedings of Cool Stars 16 Workshop

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

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

2014-2017 Received as Principal Investigator
Stars and Not Stars: RECONS Studies the Nearby Dwarfs
$481,104 from the National Science Foundation

2014-2016 Received as Principal Investigator
Pinpointing the Characteristics of Stars and Not Stars
$67,544 from the Space Telescope Science Institute

2012-2015 Received as Co-Investigator (PI: Linda French, IWU)
Photometric Survey of Jovian Trojans
$256,451 from the National Science Foundation

2012-2015 Received as Co-Investigator (PI: Sergio Dieterich, GSU)
Probing Fundamental Parameters with HST/STIS Spectroscopy
$70,760 from the Space Telescope Science Institute

External Funding — Concluded (since 2000)

2011-2014 Received as Principal Investigator
More than 1000 Points of Light
$232,316 from the National Science Foundation

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-Watcher 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

2003-2015 Received as Principal Investigator
SMARTS Research at Georgia State University
$600,000 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

2014-present	Chair, AAS FAMOUS Grants Committee American Astronomical Society
2013-present	AAS Agent American Astronomical Society
2013-present	Co-Chair LSST The Solar Neighborhood Working Group
2012-present	Councilor American Astronomical Society
2012-present	Director, CTIO 0.9m Telescope Small and Moderate Aperture Research Telescope System (SMARTS)
2011-present	Co-Chair LSST Differential Astrometry Working Group
2011-present	Member LSST Stars, Milky Way, & Local Volume Science Collaboration
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
1999,2005,2008	Panel Member — Galactic Astronomy Hubble Space Telescope Time Allocation Committee, Baltimore, MD
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, *Nearby Stars I and II* American Astronomical Society Meeting, Atlanta, GA
2002-present	Operations Manager, CTIO 0.9m Telescope and GSU Representative Small and Moderate Aperture Research Telescope System (SMARTS)
2000-2010	Science Team Member NASA's Space Interferometry Mission (SIM) Astrometric Observatory
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-present	Principal Investigator Southern Hemisphere Parallax Survey (CTIOPI)
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

1994-present	Director RECONS (Research Consortium on Nearby Stars)
1987-present	Member American Astronomical Society

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

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

Doctoral Dissertations Supervised

2018 (goal)	**Michele Silverstein** *A Search for Infrared Excesses Around Nearby Stars*
2017 (goal)	**Tiffany Pewett** *Untangling the Effects of Age, Activity, and Multiplicity of Red Dwarfs*
2016 (goal)	**Joseph P. Chatelain** *Exploring Jupiter's Greek and Trojan Asteroids*
2015 (goal)	**Jennifer G. Winters** *Multiplicity of Nearby Red Dwarfs*
2013	**Sergio B. Dieterich** *What is the Smallest Star?*
2012	**Adric R. Riedel** *Young Stars in the Solar Neighborhood*
2007	**John P. Subasavage** *The White Dwarf Population in the Solar Neighborhood*
2004	**Wei-Chun Jao** *Discovery and Characterization of the Highest Proper Motion Stars*

Masters Theses Supervised

2013	**Sergio B. Dieterich** *HLIMIT: Pinpointing the End of the Stellar Main Sequence*
2013	**Tiffany Pewett** *Exploring the Centaurs of the Solar System*
2012	**Joseph 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 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

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 *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-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

1980-2014	completed 44 marathons — best time 2 hours 35 minutes
1991-2014	24-time qualifier and finisher of the Boston Marathon
1995-2008	completed at least one marathon on all seven continents
2007	Kenya Safaricom Marathon, Masters Champion
1995	Antarctica Marathon (inaugural), second place finish
1993,1996	Baltimore Road Runners Club, Runner of the Year