

Adric R. Riedel

109 Springdale St, Apt. A2
Decatur, GA 30030
404-539-0868

Education:

- 2012 (intended) PhD in Astronomy
Georgia State University, Atlanta, GA
Adviser: Todd J. Henry
- 2009 Masters of Science in Physics
Georgia State University, Atlanta, GA
Adviser: Todd J. Henry
- 2006 Bachelor's of Science in Astronomy and Astrophysics
Villanova University, Villanova, PA
Undergraduate Adviser: Edward F. Guinan

Service:

- 2009-present SMARTS Fellow
Coordinator of the CTIO 0.9m telescope, responsible for interfacing between on-site staff and the astronomical community, observing program control, and data retrieval.
- 2010-present Mentoring
Mentoring, advising and scientific instruction of two undergraduate students at GSU.

Awards:

- 2011 Doxsey Prize, American Astronomical Society
- 2009 Outstanding Second-Year Graduate Student, Astronomy
- 2006 Mendel Medal in Astronomy and Astrophysics
- 2005 Delaware Space Grant
- 2002 Edwin F. Bailey Award for Excellence

Refereed Journal Publications:

8. **Riedel, A.R.**; Finch, C.T.; Subasavage, J.P.; White, R.J.; Henry, T.J.; Jao, W-C; Ianna, P.A.
2012. The Solar Neighborhood. XXX. Parallax Results from the CTIOPI 0.9-m Program:

Trigonometric Parallaxes of 24 Nearby Active Systems with $L_x/L_{bol} > -3.5$. *In prep.*

7. Jao, W-C; Henry, T.J.; Subasavage, J.P.; Winters, J.G.; **Riedel, A.R.**; Gies, D.R.; Ianna, P.A. 2012. The Solar Neighborhood. XXVIII. A Nearby Star with a Large Perturbation. *In prep.*

6. **Riedel, A.R.**; Murphy, S.; 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. *Astronomical Journal* 142 104.

5. Jao, Wei-Chun; 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 0.9-m Program: Stars with $\mu \leq 1.0'' \text{ yr}^{-1}$ (MOTION Sample) and Subdwarfs. *Astronomical Journal* 141 117.

4. von Braun, K.; Boyajian, T.S.; Kane, S.R.; van Belle, G.T.; Ciardi, D.R.; López-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. *Astrophysical Journal*. 729L 26

3. **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 $0.5'' \leq \mu \leq 1.00 \text{ yr}^{-1}$ (SLOWMO sample). *Astronomical Journal* 140 897

2. Gies, D. R.; Dieterich, S.; Richardson, N. D.; **Riedel, A.R.**; Team, B.L.; McAlister, H.A.; Bagnuolo, W.G., Jr.; Grundstrom, E.D.; Štefl, S.; Rivinius, Th.; Baade, D. 2008. A Spectroscopic Orbit for Regulus. *Astrophysical Journal* 682 117

1. Hamilton, Ryan T.; Urban, Joel A.; Sion, Edward M.; **Riedel, Adric R.**; Voyer, Elysse N.; Marcy, John T.; Lakatos, Sarah L. 2007. An International Ultraviolet Explorer Archival Study of Dwarf Novae in Outburst. *Astronomical Journal* 667 1139

Book Chapters:

1. Henry, T.J., Gies, D.R., Jao, W.C., **Riedel, A.R.**, Subasavage, J.P., Benedict, G.F., Harris, H.C., Ianna, P.A., Thorstensen, J.R., Beichman, C., Prato, L., & Simon, M. 2009, *Stellar Maps with SIM Lite in NASA's SIM Lite Astrometric Observatory*, p 83-96

Conference Proceedings:

1. **Riedel, Adric R.**, Henry, Todd J., White, Russel J., Song, Inseok, Jensen, Eric L.N., Hambly, Nigel C. 2010. Nearby Motionless Stars, Proceedings of Cool Stars 16 meeting.

AAS Posters:

10. Boyd, M.R.; Finch, C.T.; Hambly, N.C.; Henry, T.J.; Jao, W.; **Riedel, A.R.**; Subasavage, J.P.;

Winters, J.G.; RECONS. 2012. A Search for Fine Wines: Discovering Close Red Dwarf-White Dwarf Binaries. AAS 219 345.23

9. Hosey, A.D.; Winters, J.G.; Boyd, M.R.; Dieterich, S.B.; Finch, C.T.; Hambly, N.C.; Henry, T.J.; Ianna, P.A.; Jao, W.; **Riedel, A.R.**; Subasavage, J.P. 2012. Searching for Treasure in the South: Red Dwarfs within 25 Parsecs. AAS 219 345.07

8. Henry, T.J.; Boyd, M.R.; Davison, C.; Dieterich, S.B.; Finch, C.T.; Ianna, P.A.; Jao, W.; Koerner, D.W.; **Riedel, A.R.**; Subasavage, J.P.; Tanner, A.M.; Winters, J.G. 2011. The SMARTS Way to Build a Map to the Stars. AAS 218 204.02

7. **Riedel, A.R.**; Henry, T.J.; White, R.J.; Song, I; Jensen, Eric L.N.; Hambly, N.C.; RECONS. 2011. Nearby Motionless Stars. AAS 217 242.16

6. Henry, T.J.; Boyd, M.R.; Dieterich, S.B.; Finch, C.T.; Ianna, P.A.; Jao, W.; **Riedel, A.R.**; Subasavage, J.P.; Tanner, A.M.; Winters, J.G. 2011. RECONS Reaches to 25 Parsecs. AAS 217 242.05

5. **Riedel, A.R.**; Henry, T.J.; White, R.J.; Song, I; Jensen, E.L.; RECONS. 2010. The CTIOPI Cradle: Young Stars with Parallaxes. AAS 215 429.22

4. Henry, T.J.; Boyd, M.R.; Dieterich, S.; Finch, C.T.; Jao, W.C.; **Riedel, A.R.**; Subasavage, J.P.; Winters, J. G. 2010. Spying on Our Neighbors 2000-2010. AAS 215 424.07

3. **Riedel, A.R.**; Henry, T.J.; Winters, J.G.; Hambly, N.C.; RECONS. 2009. Stellar Slowpokes: Nearby Stars with Tiny Proper Motions. AAS 213 406.15

2. **Riedel, A.R.**; Beaulieu, T.; Henry, T.J.; Jao, W.; Gray, R.O.; Corbally, C.J.; Finch, C.; RECONS. 2007. Fingerprinting 85% of Galactic Suspects: A New K-M Dwarf Spectral Sequence. AAS 211 103.18

1. **Riedel, A.R.**; Guinan, E.F.; DeWarf, L.E.; Engle, S.G.; McCook, G.P. 2005. Barnard's Star as a Proxy for Old Disk dM Stars: Magnetic Activity, Light Variations, XUV Irradiances, and Planetary Habitable Zones. AAS 206 09.04

Teaching experience:

2006-2009 Lab instructor in Introductory Astronomy at Georgia State University

2003-2006 Lab instructor in Introductory Astronomy at Villanova University

Administrative Experience:

2005-2006 President of the Villanova Astronomical Society

Funding:

Received as Co-Investigator (PI: Angelle Tanner, MSU)

A Study of Cold Disks around M dwarfs and the Formation of Extrasolar Planets

\$104,093 from the NASA Herschel Science Center (maximum award; actual award depends on percentage of program observed)

Received as Co-Investigator (PI: Todd Henry, GSU)

The RECONS Survey of the Solar Neighborhood

\$581,591 from the National Science Foundation

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

Educational/Outreach activities:

2011 Assistant at DragonCon Space Track.

2010 Guest lecturer at Lenox Memorial High School, Lenox MA.

2010 Visiting guest at Brumby Elementary School, Marietta, GA.

2009 Guest lecturer at Lenox Memorial High School, Lenox MA.

2009 Developed a fully 3D display of the solar neighborhood for the RECONS public pages (<http://www.recons.org>; <http://www.chara.gsu.edu/~riedel/3D.html>)

Professional Organizational Activities:

2005-present Member of the American Astronomical Society

Public Press:

2011 "Baby Star found on Earth's Doorstep" by Ken Crowell, in ScienceNOW online mag. <http://news.sciencemag.org/sciencenow/2011/09/baby-star-found-on-earths-doorst.html> retrieved 2011-10-13

2011 "Baby star found close to Earth" by Beau Gamble, in Australian Geographic online. <http://www.australiangeographic.com.au/journal/baby-star-found-close-to-earth-ap-columbae.htm> Retrieved 2011-10-13