

Dr. Adam C. Schneider

CONTACT INFORMATION

School of Earth and
Space Exploration
Arizona State University
Tempe, AZ 85287

Phone: +1 (770) 316-9646
E-mail: aschneid10@gmail.com
Website: adamcschneider.com

RESEARCH INTERESTS

- Low-Mass Stars and Brown Dwarfs
- Extrasolar Planets
- Circumstellar Disks

EMPLOYMENT HISTORY

Arizona State University
Assistant Research Scientist

Tempe, AZ USA
July 2018–Present

Arizona State University
Post-doctoral Researcher

Tempe, AZ USA
August 2016–June 2018

- Supervisor: [Dr. Evgenya Shkolnik](#)

University of Toledo
Post-doctoral Researcher

Toledo, Ohio USA
June 2013–July 2016

- Supervisor: [Dr. Michael C. Cushing](#)

EDUCATION

University of Georgia
Ph.D., Astronomy, May, 2013

Athens, Georgia USA

- Advisor: [Dr. Inseok Song](#)

University of Georgia
M.S., Astronomy, August, 2008
B.S., Physics & Astronomy, May, 2006

Athens, Georgia USA

HONORS AND AWARDS

Advanced Leadership Academy, University of Toledo, 2016
Dissertation Completion Award, University of Georgia, 2012
Outstanding Teaching Assistant, University of Georgia, 2008
Future Faculty Program, University of Georgia, 2008
Undergraduate Physics & Astronomy Award, University of Georgia, 2006

PUBLICATION SUMMARY

Summary [†]	Total	1 st Author
Publications	49	12
Citations	928	203
H-index	18	8

[†]Current as of October 10, 2018

REFEREED PUBLICATIONS

49. Loyd, R., Shkolnik, E., **Schneider, A. C.**, et al. 2018, Accepted to ApJ, [arXiv:1810.03277](https://arxiv.org/abs/1810.03277)
48. Martin, E., Kirkpatrick, J., Beichman, C., et al. **Schneider 8th author.**, 2018, Accepted to ApJ, [arXiv:1809.06479](https://arxiv.org/abs/1809.06479)
47. Wang, J., Graham, J., Dawson, R., et al. **Schneider 47th author**, 2018, Accepted to AJ, [arXiv:1809.04107](https://arxiv.org/abs/1809.04107)

46. Esposito, T., Duchene, G., Kalas, P., et al. **Schneider 50th author**, 2018, [AJ](#), 156, 47
45. **Schneider, A. C.**, Hardegree-Ullman, K. K., Cushing, M. C., Kirkpatrick, J. D., & Shkolnik, E. L., 2018, [AJ](#), 155, 238
44. Greenbaum, A., Pueyo, L., Ruffio, J., et al. **Schneider 46th author**, 2018, [AJ](#), 155, 226
43. **Schneider, A. C.**, & Shkolnik, E. L., 2018, [AJ](#), 155, 122
42. Mace, G., Mann, A., Skiff, B., et al. **Schneider 6th author**, et al., 2018, [ApJ](#), 854, 145
41. Wang, J., Perrin, M., Savransky, D., et al. **Schneider 45th author**, 2018, [JATIS](#), 4, 018002
40. Nielsen, E., De Rosa, R., Rameau, J., et al. **Schneider 50th author**, 2017, [AJ](#), 154, 218
39. Rajan, A., Rameau, J. B., Pueyo, L., et al. **Schneider 52nd author**, 2017, [AJ](#), 154, 10
38. Ruffio, J., Macintosh, B., Wang, J., et al. **Schneider 44th author**, 2017, [ApJ](#), 842, 14
37. Kuchner, M., Faherty, J., **Schneider, A. C.**, , et al., 2017, [ApJL](#), 841, 19
36. Follette, K. B., Rameau, J., Dong, R., et al. **Schneider 47th author**, 2017, [AJ](#), 153, 264
35. Rameau, J., Follette, K. B., Pueyo, L., et al. **Schneider 48th author**, 2017, [AJ](#), 153, 244
34. Blunt, S., Nielsen, E. L., De Rosa, R. J., et al. (**Schneider 14th Author**), 2017, [AJ](#), 153, 229
33. **Schneider, A. C.**, Windsor, J., Cushing, M. C., Kirkpatrick, J. D., & Shkolnik, E., 2017, [AJ](#), 153, 196
32. Johnson-Groh, M., Marois, C., De Rosa, R. J., et al. (**Schneider 42nd Author**), 2017, [AJ](#), 153, 190
31. Chilcote, J., Pueyo, L., De Rosa, R. J., et al. (**Schneider 55th Author**), 2017, [AJ](#), 153, 182
30. Vican, L., **Schneider, A. C.**, Bryden, G., et al., 2016, [ApJ](#), 833, 263
29. Nielsen, E. L., De Rosa, R. J., Want, J., et al. (**Schneider 40th Author**), 2016, [AJ](#), 152, 175
28. Farjardo-Acosta, S. B., Kirkpatrick, J. D., **Schneider, A. C.**, et al., 2016, [ApJ](#), 832, 62
27. Esplin, T., Luhman, K., Cushing, M., et al. **Schneider 7th author**, 2016, [ApJ](#), 832, 58
26. Millar-Blanchaer, M., Wang, J., Kalas, P., et al. (**Schneider 49th Author**), 2016, [AJ](#), 152, 128
25. Konopacky, Q., Rameau, J., Duchene, G., et al. (**Schneider 49th Author**), 2016, [ApJL](#), 829, 4
24. Kirkpatrick, J. D., Kellogg, K., **Schneider, A. C.**, et al., 2016, [ApJS](#), 224, 36
23. **Schneider, A. C.**, Cushing, M. C., Kirkpatrick, J. D., & Gelino, C. R., 2016, [ApJL](#), 823, 35
22. **Schneider, A. C.**, Windsor, J., Cushing, M. C., Kirkpatrick, J. D., & Wright, E. L., 2016, [ApJL](#), 822, 1
21. **Schneider, A. C.**, Greco, J., Cushing, M. C., et al., 2016, [ApJ](#), 817, 112
20. De Rosa, R., Nielsen, E., Blunt, S., et al. (**Schneider 44th Author**), 2016, [ApJL](#), 814, 3

19. Kalas, P. G., Rajan, A., Wang, J. J., et al. (**Schneider 48th Author**), 2015, [ApJ](#), 814, 32
18. Macintosh, B., Graham, J. R., Barman, T., et al. (**Schneider 78th author**) 2015, [Science](#), 350, 64
17. Rodriguez, D. R., van der Plas, G., Kastner, J. H., et al. **Schneider 4th author**, 2015, [A&A](#), 582, 5
16. Millar-Blanchaer, M. A., Graham, J. R., Pueyo, L., et al. (**Schneider 48th Author**), 2015, [ApJ](#), 811, 18
15. **Schneider, A. C.**, Cushing, M. C., Kirkpatrick, J. D., et al., 2015, [ApJ](#), 804, 92
14. Kirkpatrick, J. D, **Schneider, A. C.**, Fajardo-Acosta, S., et al., 2014, [ApJ](#), 783, 122
13. **Schneider, A. C.**, M. C. Cushing, J. D. Kirkpatrick, et al., 2014, [AJ](#), 147, 34
12. De Rosa, R. J., Patience, J., Wilson, P. A., et al. **Schneider 4th author**, 2014, [MNRAS](#), 437, 1216
11. Vican, L. & **Schneider, A. C.**, 2014, [ApJ](#), 780, 154
10. Zuckerman, B., Vican, L., Song, I., & **Schneider, A. C.**, 2013, [ApJ](#), 778, 5
9. **Schneider, A. C.**, Song, I., Melis, C., Zuckerman, B., Bessell, M., & Hufford, T., 2013, [ApJ](#), 777, 78
8. Kirkpatrick, J. D., Cushing, M. C., Gelino, C. R., et al. **Schneider 7th author**, 2013, [ApJ](#), 776, 138
7. Bulger, J., Hufford, T., **Schneider, A. C.**, et al., 2013, [A&A](#), 556, 119
6. **Schneider, A. C.**, Song, I., Melis, C., Zuckerman, B., & Bessell, M., 2012, [ApJ](#), 757, 163
5. **Schneider, A. C.**, Melis, C., & Song, I., 2012, [ApJ](#), 754, 39
4. De Rosa, R. J., Patience, J., Vigan, A., et al. **Schneider 5th author**, 2012, [MNRAS](#), 422, 2765
3. Zuckerman, B., Melis, C., Rhee, J. H., **Schneider, A. C.**, & Song, I., 2012, [ApJ](#), 752, 58
2. **Schneider, A. C.**, Melis, C., Song, I., & Zuckerman, B., 2011, [ApJ](#), 743, 109
1. De Rosa, R. J., Bulger, J., Patience, et al. **Schneider 6th author**, 2011, [MNRAS](#), 415, 854

TEACHING &
MENTORING
EXPERIENCE

GRSC 7770: Graduate Teaching Assistant Seminar - Instructor of Record Fall 2008

Head Laboratory Instructor Fall 2008 - Spring 2009
Duties included shared administrative responsibilities with faculty instructor, fielding of all student inquiries, and oversight of graduate student teaching assistants and graders.

Teaching Assistant Fall 2006 - Spring 2008, Fall 2012, Spring 2013
Introductory physics and astronomy laboratories at the University of Georgia.

Mentor: Graduate Student Research

- Tyler Richey-Yowell – Fall 2017–Present
- Joe Zalesky – Spring 2017–Present
- Jennifer Greco – Fall 2014–Present

Mentor: Undergraduate Student Research

- James Windsor – Winter 2014–Summer 2016
- Erik Dennihy – Summer 2010, Fall 2011, and Spring 2012
- Dicy Saylor – Fall 2010

Mentor: High-School Student Research (University of Georgia Young Dawgs Program)

- Kurt Mueller – Spring 2011
- Kevin Wen – Fall 2010
- Patrick Joyner – Summer 2010
- Andy Kim – Summer 2009
- Arianna Kazez – Fall 2009

SUCCESSFUL
OBSERVING
PROPOSALS (AS PI)

Hubble Space Telescope/STIS – Cycle 25 (PID: 15286, 14 orbits – \$103k)
“Unobstructed Observations of the Intrinsic Lyman-alpha Emission of Low-mass Stars”

Hubble Space Telescope/WFC3 – Cycle 23 (PID: 14233, 13 orbits – \$58k)
“Taming the Tepid Three”

Spitzer/IRAC – Cycle 13 (PID: 13018, 41 hours)
“Probing Cloud-driven Variability on two of the Youngest, Lowest-Mass Brown Dwarfs in the Solar Neighborhood”

2012B – Australian National University 2.3-m Telescope/WiFeS (2 nights)
“Identifying Young, Nearby, Late-type Stars by Means of Their Circumstellar Disks”

2014A – Palomar Observatory 200-in Telescope/Double-Spectrograph (3 nights)
“Classifying Overlooked Low-mass Members of the Solar Neighborhood”

2016A – NASA Infrared Telescope Facility/SpEx (2 nights)
“Young Brown Dwarfs in the Solar Neighborhood”

2016A – NASA Infrared Telescope Facility/SpEx (3 nights)
“Characterizing Discoveries from the NEOWISE Proper Motion Survey”

2016A – Discovery Channel Telescope/Deveny Spectrograph (2 nights)
“Characterizing Discoveries from the NEOWISE Proper Motion Survey”

2016B – NASA Infrared Telescope Facility/SpEx (1.5 nights)
“Young Planetary Mass Objects in the Solar Neighborhood”

2016B – Magellan/FIRE (2 nights)
“Giant Exoplanet Analogs in the Solar Neighborhood”

2016B – CTIO/ARCoIRIS (2 nights)
“Exoplanet Analogs in the Solar Neighborhood”

2018B – Magellan/FIRE (2 nights)
“Probing the Local IMF with new Backyard Worlds”

POSTERS &
PRESENTATIONS

HAZMAT III: The Evolution of Mid-Type M Dwarfs with GALEX (Contributed Talk)
Habitable Worlds, Laramie, WY, November 2017

The UV Evolution of Mid-Type M Dwarfs with GALEX (Poster)
Know Thy Star—Know Thy Planet, Pasadena, CA, October 2017

The Evolution of High-Energy Environments of Low-Mass Stars and Their Planets (Contributed Talk)
AbSciCon, Mesa Convention Center, Mesa, AZ, April 2017

Glimpsing Alien Worlds (TEDx Talk)
Way Public Library, Perrysburg, OH, Mar. 2016

The WISE Quest for Solar Neighbors and the Coldest Brown Dwarfs (Colloquium)
The University of Toledo, March 2016

The WISE Quest for Solar Neighbors and the Coldest Brown Dwarfs (Colloquium)
Lowell Observatory, February 2016

The WISE Quest for Solar Neighbors and the Coldest Brown Dwarfs (Colloquium)
The University of Rochester, November 2015

Hubble Space Telescope Spectroscopy of Brown Dwarfs Discovered with the Wide-field Infrared Survey Explorer (Contributed Talk)
Emerging Research in Exoplanet Science Symposium, Penn State University, May 2015

The Young, Nearby L Dwarf WISE J174102.78–464225.5 (Poster)
IAU Symposium 314: Young Stars and Planets Near the Sun, Georgia State University, May 2015

The NEOWISE-Reactivation Proper Motion Survey: First Results (Contributed Talk)
WISEat5, California Institute of Technology, February 2015

Hubble Space Telescope Grism Spectroscopy of WISE-detected Brown Dwarfs (Poster)
Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun 18, Flagstaff, AZ, June 2014

Status of the AllWISE Motion Survey (Contributed Talk)
WISE Science Meeting, Infrared Processing and Analysis Center, September 2013

A Study of WISE Detected Debris Disks Around FGK Stars in UCL/LCC (Contributed Talk)
American Astronomical Society, 221st Meeting; January 2013

Gemini Planet Imager Target Preparation (Contributed Talk)
Gemini Planet Imager Science Meeting, Dunlap Institute for Astronomy and Astrophysics, June 2012

Do Massive Primordial Disks Evolve Into Massive Debris Disks? (Poster)
American Astronomical Society, 215th Meeting; January 2010

Best Teaching Practices For Undergraduates (Invited Talk)
Teaching Assistant Orientation, The University of Georgia, August 2009

SERVICE &
ACTIVITIES

NASA Review Panel **2017**

Hubble Space Telescope Mid-Cycle Reviewer **2016, 2017, 2018**

Hubble Space Telescope Cycle 24 Review Panel **2016**

Referee **2014–present**
Monthly Notices of the Royal Astronomical Society, the Astrophysical Journal, the Astrophysical Journal Letters

TAC Member – University of Toledo DCT Allocation **Fall 2014–Summer 2016**
Member of the Telescope Allocation Committee for the Discovery Channel Telescope

Co-Creator – Ritter Symposium **Fall 2013**
Co-created and organized the first and second internal astronomical symposiums in the Department of Physics & Astronomy at the University of Toledo.