Dr. Adam C. Schneider

CONTACT INFORMATION

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Arizona State University
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RESEARCH INTERESTS

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

EMPLOYMENT HISTORY

Arizona State University — Tempe, AZ USA
Assistant Research Scientist — *July 2018–Present*

Arizona State University — Tempe, AZ USA
Post-doctoral Researcher — *August 2016–June 2018*
- Supervisor: Dr. Evgenya Shkolnik

University of Toledo — Toledo, Ohio USA
Post-doctoral Researcher — *June 2013–July 2016*
- Supervisor: Dr. Michael C. Cushing

EDUCATION

University of Georgia — Athens, Georgia USA

Ph.D., Astronomy, May, 2013
- Advisor: Dr. Inseok Song

University of Georgia — Athens, Georgia USA

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

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	1st Author
Publications	50	12
Citations	1005	214
H-index	20	8

†Current as of December 7, 2018

REFEREED PUBLICATIONS

50. Kirkpatrick, J., Martin, E., Smart, R., et al. **(Schneider 10th author)**., 2018, Accepted to ApJS, arXiv:1812.01208

49. Loyd, R., Shkolnik, E., **Schneider, A. C.**, et al., 2018, ApJ, 867, 70

48. Martin, E., Kirkpatrick, J., Beichman, C., et al. **(Schneider 8th author)**, 2018, ApJ, 867, 109

47. Wang, J., Graham, J., Dawson, R., et al. **(Schneider 47th author)**, 2018, AJ, 156, 192

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
- 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*"

2019A – Magellan/FourStar (1 nights)
"*Near-infrared Reconnaissance of Y-dwarf Candidates From the Backyard Worlds: Planet 9 Citizen Science*

Project"

2019A – Magellan/FIRE (2 nights)
"*Probing the Local IMF with new Backyard Worlds*"

Invited Talks

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

Other Presentations & Posters

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

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

Press Coverage

- Ultraviolet Radiation from Low-Mass Stars Could Render Planets Uninhabitable – Astrobiology Magazine (Link)

- NASA-funded Citizen Science Project Discovers New Brown Dwarf – NASA/Goddard (Link)
- Does Our Solar System Have and Undiscovered Planet? You Can Help Astronomers Find Out – Arizona State University (Link)
- Have Spare Time? Try To Discover A Planet – NPR (Link with audio)
- Lone Planetary-Mass Object Found in Family of Stars – NASA/JPL (Link)
- UT Astonomers, Student Discover Free-Floating Planetary-Mass Object In Family Of Stars – The University of Toledo (Link)
- UT Astronomers Identify Young "Brown Dwarf" – Toledo Blade (Link)
- University of Toledo Astronomers Make Landmark Discovery – Toledo 13 ABC News (Link)
- UT Astronomers Make National News, Discover Apparent Brown Dwarf – The Independent Collegian (University of Toledo Student Newspaper) (Link)
- Student From Paulding Helps Discover Object in Space – The Crescent News (Defiance, OH) (Link)
- UT Astronomers Discover "Brown Dwarf" – WTOL 11 News (Link to Video)
- UT Astronomers Discover Brown Dwarf – WTVG 13 News (Link to Video)
- Astronomy at the University of Toledo (featuring undergraduate mentee James Windsor) (Link to Video)
- UT Astronomer Part of Research Team to Discover Young Jupiter Exoplanet – The University of Toledo (Link)

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.