

# SARAH JANE SCHMIDT

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<b>Employment</b>	KARL SCHWARZSCHILD POSTDOCTORAL FELLOW Leibniz-Institut für Astrophysik Potsdam (AIP)	2015–present
	COLUMBUS PRIZE POSTDOCTORAL FELLOW The Ohio State University	2012–2015
<b>Education</b>	UNIVERSITY OF WASHINGTON Ph.D. in Astronomy Thesis Title: “Activity and Kinematics of Cool and Ultracool Dwarfs” Thesis Advisor: Suzanne Hawley	2012
	UNIVERSITY OF WASHINGTON Master of Science in Astronomy	2008
	BARNARD COLLEGE OF COLUMBIA UNIVERSITY Bachelor of Arts with honors in Physics and Astronomy	2006
<b>Research Interests</b>	Understanding magnetic activity on small stars and warm brown dwarfs Determining the ages and metallicities of cool stars Using kinematics to place M and L dwarfs in a Galactic context Measuring the luminosity and mass function at the stellar/substellar boundary	
<b>Teaching Experience</b>	INSTRUCTOR, UNIVERSITY OF WASHINGTON Instructor for an introductory topical course that I designed based on the solar neighborhood.	Summer 2012
	INSTRUCTOR, UNIVERSITY OF WASHINGTON Instructor for introduction to astronomy.	Summer 2010, 2011
	INSTRUCTOR, UNIVERSITY OF WASHINGTON Instructor for the Pre-Major in Astronomy Seminar, which involved first-year undergraduates in research projects.	Fall 2008
	TEACHING ASSISTANT, UNIVERSITY OF WASHINGTON Taught the basics of UW’s 0.6-m telescope to advanced undergraduates.	Summer 2008–2012
	TEACHING ASSISTANT, UNIVERSITY OF WASHINGTON Teaching assistant for introductory astronomy classes.	2006–2007
<b>Honors &amp; Awards</b>	Washington NASA Space Grant Graduate Fellow, 2012 NSF Graduate Fellowship Honorable Mention, 2007 and 2008 Henry Borse Prize, 2006 New York NASA Space Grant Undergraduate Summer Research Program Award, 2004 and 2005	

**Invited  
Talks**

“M DWARFS FOR EXOPLANETEERS”  
Habitable Worlds 2017 splinter session on the M dwarf Opportunity, November 2017

“VARIABILITY IN STARS 101”  
SDSS-IV Collaboration Meeting Plenary, July 2017

“SURVEYING THE COOLEST STARS IN THE MILKY WAY”  
Southern Cross 2017: Surveying the Cosmos, The Science From Massively Multiplexed Surveys

“FINDING THE LARGEST FLARES ON ULTRACOOOL DWARFS WITH ASAS-SN”  
Cool Stars 19 splinter session on Flares in Time-Domain Surveys, June 2016

“HOT CHROMOSPHERES AND FLARES ON COOL AND ULTRACOOOL DWARFS”  
University of Leicester Seminar, November 2016  
Leibniz-Institut für Astrophysik Potsdam Colloquium, November 2015  
University of Texas Astronomy Colloquium, September 2014  
University of Oklahoma Physics and Astronomy Colloquium, September 2014  
Case Western Reserve University Astronomy Colloquium, February 2014  
University of Toledo Physics and Astronomy Colloquium, December 2013

“PROBING THE DYNAMIC CHROMOSPHERES OF ULTRACOOOL DWARFS OVER TIMESCALES OF A DECADE”  
SDSS-IV Collaboration Meeting Plenary, July 2015

“THE PRE-MAJOR IN ASTRONOMY PROGRAM AT THE UNIVERSITY OF WASHINGTON”  
Inclusive Astronomy, June 2015

“BOSS ULTRACOOOL DWARFS”  
SDSS-III Collaboration Meeting Plenary, June 2013

**Students  
Supervised**

EKATERINA ILIN, UNIVERSITY OF POSTDAM GOLM MASTER’S STUDENT 2017–present  
Using Kepler/K2 data to look for flares on stars in clusters.

AURORA CID, COLLEGE OF STATEN ISLAND UNDERGRADUATE 2016–present  
Looking for long timescale (5–15 year) H $\alpha$  emission variations in multi-epoch SDSS spectra of ultracool dwarfs.

JOHN-PAUL VENTURA, HUNTER COLLEGE UNDERGRADUATE 2016–present  
Examining SDSS spectra of M dwarfs found to be variable in the Pan-STARRS database.

AMBER MEDINA, NEW MEXICO STATE UNIVERSITY UNDERGRADUATE 2014–2015  
Identified young M and L dwarfs in a large sample of SDSS ultracool dwarf spectra.  
*Currently:* Astronomy Graduate Student at Harvard University

ERIKA WAGONER, OHIO STATE UNIVERSITY UNDERGRADUATE 2013–2014  
Analyzed APOGEE ASPCAP properties of late-K and early-M dwarfs in comparison to model isochrones. Second author of Schmidt et al. (2016, MNRAS 460 2611).  
*Currently:* Physics Graduate Student at University of Arizona

COLLIN KIELTY, UNIVERSITY OF WASHINGTON UNDERGRADUATE 2012  
Worked on the calculation of spectroscopic templates based on the SDSS spectra of L dwarfs. Co-author of Schmidt et al. (2014, PASP 126 642).  
*Currently:* Astronomy Graduate Student at University of Victoria

HEATHER GUNNING, UNIVERSITY OF WASHINGTON UNDERGRADUATE 2011–2014  
Worked on observations, data reduction, and analysis of spectroscopic observations of a sample of wide M dwarf binaries. First author of Gunning et al. (2014, PASP 126 1081).  
*Currently:* Research and Instrumental Analyst at Space Telescope Science Institute

<b>Service</b>	CO-SPOKESPERSON, AIP INTERNAL SCIENTIFIC COMMITTEE	2016–present
	REFeree Astronomical Journal, Astrophysical Journal, Astronomy & Astrophysics	2014–present
	MEMBER, NOAO TAC GALACTIC PANEL	2015–2017
	MEMBER, NASA K2 GUEST OBSERVER REVIEW PANEL	2014
	GRADUATE REPRESENTATIVE ON ADMISSIONS COMMITTEE Facilitated graduate student contact with prospective students and co-organized prospective visiting weekend.	2010–2011
	COOL STARS 16 LOCAL ORGANIZING COMMITTEE Assisted with planning many aspects of the conference including excursions, facilities, poster arrangement and poster abstract sorting.	2010
	CO-ORGANIZER OF UNDERGRADUATE MENTORING WORKSHOP Facilitated an afternoon workshop for the Astronomy department including presentations from the campus Undergraduate Research Program staff	2008
<b>Equity &amp; Inclusion</b>	CO-CHAIR, COMMITTEE ON INCLUSION IN SDSS (COINS) Charged with assessing the SDSS climate and demographics and both recommending and implementing policies or practices for inclusiveness.	2016–present
	SDSS FAST COLLABORATOR Working with two teams as part of the SDSS Faculty and Student Teams (FAST) initiative that involves researchers and students at Minority Serving Institutions in the SDSS collaboration.	2016–present
	AIP EQUITY & INCLUSION LUNCHES Co-organizer and presenter in monthly lunch meetings at AIP on topics of equity and inclusion.	2015–present
	DIVERSITY JOURNAL CLUB Instigated and facilitated a monthly journal club in the OSU astronomy department to present and discuss diversity & inclusion issues.	2012–2015
	ORGANIZER AND CHAIR OF AAS SPECIAL SESSION Led the committee that put together the session on “Celebrating 10 Years of Diversity With Pre-MAP” at the 225th AAS.	2015
	PRE-MAJOR IN ASTRONOMY PROGRAM (PRE-MAP) STAFF Planned and led the seminar component of Pre-MAP, recruited students, assisted in writing NSF CCLI and ASP SEED grants, developed and implemented an evaluation plan, and worked as an academic mentor.	2006–2012
	<b>Outreach</b>	PROLIFIC TWEETER AT ASTRONOMY MEETINGS Share recent results through social media at meetings, including the Cool Stars Workshops (#CS18 and #CS19), AAS (e.g., #AAS229), and SDSS collaboration meetings (#SDSS16).
TWEEP OF THE WEEK Spent one week on the popular AstroTweeps twitter account and one week on the SDSS surveys account engaging the public about my research.		2015–2016
SPEAKER AT COLUMBUS ASTRONOMY ON TAP Presented public talks to an adult audience at a local bar.		2013, 2015

OSU ASTRONOMY COFFEE BRIEFS 2013, 2015  
 Created two short videos explaining the results of my publications; a large flare on a small star (<http://y2u.be/uue8G0NnjJU>) and magnetic activity on a large sample of ultracool dwarfs (<http://y2u.be/wwX5WkuJCU4>).

VOLUNTEER AT 4-H ASTRONOMY DAY CAMP 2013  
 Led activities with a group of 8-12 year old kids.

RESOURCE FOR PACIFIC SCIENCE CENTER EDUCATORS 2011  
 Staffed a question and answer session and provide ongoing support for educators who teach astronomy at the Seattle Pacific Science Center.

SPEAKER IN ENGAGE SCIENCE SEMINAR SERIES 2010  
 Public talk describing current research on low mass stars and brown dwarfs.

**Telescope  
 Time  
 Awarded**

SALT 11-M 2017  
 Co-I: 15 hours in Priority 2 and 3

KEPLER K2 2015–2016  
 Co-I: Over 100 targets in Campaigns 4–13

MCDONALD 2.7-M (IGRINS) 2015  
 Co-I: 1 night

IRTF 3.0-M (SPEX) 2013–2014  
 PI: 2.5 nights; Co-I: 3 nights

LBT TWIN 8-M (LUCI, MODS) 2012–2015  
 PI: 20 hours

HST (COS) 2013  
 Co-I: 8 orbits

MDM 1.3-M (OPTICAL SPECTROGRAPH AND IMAGER) 2013  
 PI: 14 nights

SDSS 2.5-M (BOSS) 2010–2014  
 PI: 10,000 fibers; Co-I: 200 fibers

ARC 3.5-M (TRIPLESPEC, DIS) 2007–2012  
 PI: ~75 half-nights; Co-I: ~20 half-nights

KPNO 2.1-M (SQUIID) 2010–2011  
 Co-I: 14 nights

DAO 1.8-M (OPTICAL SPECTROGRAPH) 2009  
 PI: 4 nights; Co-I: 3 nights

**Additional  
 Observing  
 Experience**

LBT TWIN 8-M 2012–2015  
 Eighteen nights queue observing using LUCI (IR spectrograph and imager), MODS (optical spectrograph), and LBC (optical imager).

ARC 0.5-M 2009–2012  
 Fourteen nights of optical imaging using Flare-cam.

CTIO 4-M 2006  
 Two nights on the optical spectrograph.

# PUBLICATIONS

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- First Author Refereed Publications**
- A10 ASASSN-16AE: A POWERFUL WHITE-LIGHT FLARE ON AN EARLY-L DWARF  
Schmidt, Sarah J.; Shappee, Benjamin J.; Gagné, Jonathan, Stanek, K. Z.; Prieto, José L.; Holoién, Thomas W.-S.; Kochanek, C. S.; Chomiuk, Laura; Dong, Subo; Seibert, Mark; Strader, Jay, 2016, ApJL 828 22 ([ADS](#); [ArXiv](#))
  - A9 EXAMINING THE RELATIONSHIPS BETWEEN COLOUR,  $T_{\text{eff}}$ , AND  $[M/H]$  FOR APOGEE K AND M DWARFS  
Schmidt, Sarah J.; Wagoner, Erika L.; Johnson, Jennifer A.; Davenport, James R. A.; Stassun, Keivan; Souto, Diogo; Ge, Jian, 2016, MNRAS 460 2611 ([ADS](#); [ArXiv](#))
  - A8 BOSS ULTRACOOL DWARFS I: COLORS AND MAGNETIC ACTIVITY OF M AND L DWARFS  
Schmidt, Sarah J.; Hawley, Suzanne L.; West, Andrew A.; Bochanski, John J.; Davenport, James R. A.; Ge, Jian; Schneider, Donald P.; 2015, AJ 149 158 ([ADS](#); [ArXiv](#))
  - A7 CALIBRATING ULTRACOOL DWARFS: OPTICAL TEMPLATE SPECTRA, BOLOMETRIC CORRECTIONS, AND  $\chi$  VALUES  
Schmidt, Sarah J.; West, Andrew A.; Bochanski, John J.; Hawley, Suzanne L.; Kielty, Collin; 2014, PASP 126 642 ([ADS](#); [ArXiv](#))
  - A6 CHARACTERIZING A DRAMATIC  $\Delta V \sim 9$  MAGNITUDE FLARE ON AN ULTRACOOL DWARF FOUND IN THE ASAS-SN SURVEY  
Schmidt, Sarah J.; Prieto, Jose L.; Stanek, K. Z.; Shappee, Benjamin J.; et al., 2014, ApJ 781 24L ([ADS](#); [ArXiv](#))
  - A5 PROBING THE FLARE ATMOSPHERES OF M DWARFS USING INFRARED EMISSION LINES  
Schmidt, Sarah J.; Kowalski, Adam F.; Hawley, Suzanne L.; Hilton, Eric J.; Wisniewski, John P.; Tofflemire, Benjamin M., 2012, ApJ 745 14 ([ADS](#); [ArXiv](#))
  - A4 COLORS AND KINEMATICS OF L DWARFS FROM THE SLOAN DIGITAL SKY SURVEY  
Schmidt, Sarah J.; West, Andrew A.; Hawley, Suzanne L.; Pineda, J. Sebastian, 2010, AJ 139 1808 ([ADS](#); [ArXiv](#))
  - A3 DISCOVERY OF AN UNUSUALLY BLUE L DWARF WITHIN 10 PC OF THE SUN  
Schmidt, Sarah J.; West, Andrew A.; Burgasser, Adam J.; Bochanski, John J.; Hawley, Suzanne L., 2010, AJ 139 1045 ([ADS](#); [ArXiv](#))
  - A2 COOL STAR OXYGEN ABUNDANCES FROM SPECTRAL SYNTHESIS OF TiO BANDS  
Schmidt, Sarah J.; Wallerstein, George; Woolf, Vincent M.; Bean, Jacob L., 2009, PASP 121 884 ([ADS](#))
  - A1 ACTIVITY AND KINEMATICS OF ULTRACOOL DWARFS, INCLUDING AN AMAZING FLARE OBSERVATION  
Schmidt, Sarah J.; Cruz, Kelle L.; Bongiorno, Bethany J.; Liebert, James; Reid, I. Neill, 2007, AJ 133 2258 ([ADS](#); [ArXiv](#))
- Additional Refereed Publications**
- B25 *K2* ULTRACOOL DWARFS SURVEY III: WHITE LIGHT FLARES ARE UBIQUITOUS IN M7-L0 DWARFS  
Paudel, Rishi; Gizis, John; Mullan, Dermott J.; Schmidt, Sarah J.; Burgasser, Adam J.; Williams, Peter K. G.; Berger, Edo, 2017, submitted to AAS journals
  - B24 2MASS J11151597+1937266: A YOUNG, DUSTY, ISOLATED, PLANETARY-MASS OBJECT WITH A POTENTIALLY WIDE STELLAR COMPANION  
Theissen, Christopher A.; Burgasser, Adam J.; Bardalez Gagliuffi, Daniella C.; Hardegree-Ullman, Kevin K.; Gagné, Jonathan; Melis, Carl; **Schmidt, Sarah J.**; West, Andrew A., 2017, submitted to AAS journals
  - B23 THE TIME-DOMAIN SPECTROSCOPIC SURVEY: TARGET SELECTION FOR REPEAT SPECTROSCOPY

- MacLeod, Chelsea L. and 35 co-authors including **Schmidt, Sarah J.**, 2017, AJ in press, ArXiv:1706.04240 ([ArXiv](#))
- B22 THE EFFECT OF ATMOSPHERIC COOLING ON THE VERTICAL VELOCITY DISPERSION AND DENSITY DISTRIBUTION OF BROWN DWARFS  
 Ryan, Russell E., Jr.; Thorman, Paul A.; **Schmidt, Sarah J.**; Cohen, Seth H.; Hathi, Nimish P.; Holwerda, Benne W.; Lunine, Jonathan I.; Pirzkal, Nor; Windhorst, Rogier A.; Young, Erick, ApJ 847 53 ([ADS](#); [ArXiv](#))
- B21 K2 ULTRACOOL DWARFS SURVEY II: THE WHITE LIGHT FLARE RATE OF YOUNG BROWN DWARFS  
 Gizis, John E.; Paudel, Rishi R.; Mullan, Dermott; **Schmidt, Sarah J.**; Burgasser, Adam J.; Williams, Peter K. G., 2017 ApJ 845 33 ([ADS](#); [ArXiv](#))
- B20 K2 ULTRACOOL DWARFS SURVEY I: PHOTOMETRY OF AN L DWARF SUPERFLARE  
 Gizis, John E.; Paudel, Rishi R.; **Schmidt, Sarah J.**; Williams, Peter K. G.; Burgasser, Adam J., 2017 ApJ 838 22 ([ADS](#); [ArXiv](#))
- B19 THE LATE-TYPE EXTENSION TO MOVERS (LATE-MOVERS): PROPER MOTION VERIFIED LOW-MASS STARS AND BROWN DWARFS FROM SDSS, 2MASS, AND WISE  
 Theissen, Christopher A.; West, Andrew A.; Shippe, Guillaume; Burgasser, Adam J.; **Schmidt, Sarah J.**, 2017, AJ 153 92 ([ADS](#); [ArXiv](#))
- B18 THE TIME-DOMAIN SPECTROSCOPIC SURVEY: UNDERSTANDING THE OPTICALLY VARIABLE SKY WITH SEQUELS IN SDSS-III  
 Ruan, John J.; and 29 co-authors including **Schmidt, Sarah J.**, 2016, ApJ 825 137 ([ADS](#); [ArXiv](#))
- B17 THE BROWN DWARF KINEMATICS PROJECT (BDKP). IV. RADIAL VELOCITIES OF 85 LATE-M AND L DWARFS WITH MAGE  
 Burgasser, Adam J.; Logsdon, Sarah E.; Gagné, Jonathan; Bochanski, John J.; Faherty, Jacqueline K.; West, Andrew A.; Mamajek, Eric E.; **Schmidt, Sarah J.**; Cruz, Kelle L., 2015, ApJS 220 18 ([ADS](#); [ArXiv](#))
- B16 THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III  
 Alam, Shadab and 302 co-authors including **Schmidt, Sarah J.**, 2015, ApJS 219 12 ([ADS](#); [ArXiv](#))
- B15 THE CONTINUED OPTICAL TO MID-IR EVOLUTION OF V838 MONOCEROTIS  
 Loebmen, Sarah R.; Wisniewski, John P.; **Schmidt, Sarah J.**; Kowalski, Adam F.; Barry, Richard K.; Bjorkman, Karen S.; Hammel, Heidi B.; Hawley, Suzanne L.; Kasliwal, Mansi M.; Lynch, David K.; Russel, Ray W.; Sitko, Michael L.; Szkody, Paula, 2015, AJ 149 17 ([ADS](#); [ArXiv](#))
- B14 H $\alpha$  EMISSION FROM ACTIVE EQUAL-MASS, WIDE M DWARF BINARIES  
 Gunning, Heather C.; **Schmidt, Sarah J.**; Davenport, James R. A.; Dhital, Saurav; West, Andrew A.; Hawley, Suzanne L., 2014, PASP 126 1081 ([ADS](#); [ArXiv](#))
- B13 SPEX SPECTROSCOPY OF UNRESOLVED VERY LOW MASS BINARIES. II. IDENTIFICATION OF FOURTEEN CANDIDATE BINARIES WITH LATE-M/EARLY-L AND T DWARF COMPONENTS  
 Bardalez Gagliuffi, Daniella C.; Burgasser, Adam J.; Gelino, Christopher R.; Looper, Dagny L.; Nicholls, Christine P.; **Schmidt, Sarah J.**; Cruz, Kelle; West, Andrew A.; Gizis, John E.; Metchev, Stanimir, 2014, ApJ 709 143 ([ADS](#); [ArXiv](#))
- B12 SPATIALLY RESOLVED MEASUREMENTS OF H<sub>2</sub>O, HCl, CO, OCS, SO<sub>2</sub>, CLOUD OPACITY, AND ACID CONCENTRATION IN THE VENUS NEAR-INFRARED SPECTRAL WINDOWS  
 Arney, Giada; Meadows, Victoria; Crisp, David; **Schmidt, Sarah J.**; Bailey, Jeremy; Robinson, Tyler, 2014, J. Geophys. Res. Planets, 119, 1860–1891([ADS](#))
- B11 THE TENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III APACHE POINT OBSERVATORY GALACTIC EVOLUTION EXPERIMENT

- Ahn, Christopher P. and 231 co-authors including **Schmidt, Sarah J.**, 2014, ApJS 211 17 ([ADS](#); [ArXiv](#))
- B10 TIME-RESOLVED PROPERTIES AND GLOBAL TRENDS IN dME FLARES FROM SIMULTANEOUS PHOTOMETRY AND SPECTRA  
Kowalski, Adam F.; Hawley, Suzanne L.; Wisniewski, John P.; Osten, Rachel A.; Hilton, Eric J.; Holtzman, Jon A.; **Schmidt, Sarah J.**; Davenport, James R. A., 2013 ApJS 207, 15 ([ADS](#); [ArXiv](#))
- B9 THE BARYON OSCILLATION SPECTROSCOPIC SURVEY OF SDSS-III  
Dawson, Kyle S. and 164 co-authors including **Schmidt, Sarah J.**, 2013 AJ 145 10 ([ADS](#); [ArXiv](#))
- B8 THE NINTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY  
Ahn, Christopher P. and 235 co-authors including **Schmidt, Sarah J.**, 2012 ApJS 203 21 ([ADS](#); [ArXiv](#))
- B7 MULTI-WAVELENGTH CHARACTERIZATION OF STELLAR FLARES ON LOW-MASS STARS USING SDSS AND 2MASS TIME DOMAIN SURVEYS  
Davenport, James R. A.; Becker, Andrew C.; Kowalski, Adam F.; Hawley, Suzanne L.; **Schmidt, Sarah J.**; Hilton, Eric J.; Sesar, Branimir; Cutri, Roc, 2012, ApJ 748 58 ([ADS](#); [ArXiv](#))
- B6 THE IMPLICATIONS OF M DWARF FLARES ON THE DETECTION AND CHARACTERIZATION OF EXOPLANETS AT INFRARED WAVELENGTHS  
Tofflemire, Benjamin M.; Wisniewski, John P.; Kowalski, Adam F., **Schmidt, Sarah J.**; Kundurthy, Praveen; Hilton, Eric J.; Holtzman, Jon A.; Hawley, Suzanne L., 2012, AJ 143, 12 ([ADS](#); [ArXiv](#))
- B5 SDSS-III: MASSIVE SPECTROSCOPIC SURVEYS OF THE DISTANT UNIVERSE, THE MILKY WAY GALAXY, AND EXTRA-SOLAR PLANETARY SYSTEMS  
Eisenstein, Daniel J.; and 239 coauthors including **Schmidt, Sarah J.**, 2011, AJ 142 72 ([ADS](#); [ArXiv](#))
- B4 THE EIGHTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST DATA FROM SDSS-III  
Aihara, Horoaki.; and 189 coauthors including **Schmidt, Sarah J.**, 2011, ApJS 193 29 ([ADS](#); [ArXiv](#))
- B3 A POPULATION OF X-RAY WEAK QUASARS: PHL 1811 ANALOGS AT HIGH REDSHIFT  
Wu, Jianfeng; Brandt, W. N.; Hall, Patrick B.; Gibson, Robert R.; Richards, Gordon T.; Schneider, Donald P.; Shemmer, Ohad; Just, Dennis W.; **Schmidt, Sarah J.**, 2011, ApJ 736 28 ([ADS](#); [ArXiv](#))
- B2 THE SLOAN DIGITAL SKY SURVEY DATA RELEASE 7 SPECTROSCOPIC M DWARF CATALOG. I. DATA  
West, Andrew A.; Morgan, Dylan P.; Bochanski, John J.; Andersen, Jan Marie; Bell, Keaton J.; Kowalski, Adam F.; Davenport, James R. A.; Hawley, Suzanne L.; **Schmidt, Sarah J.**; Bernat, David; Hilton, Eric J.; Muirhead, Philip; Covey, Kevin R.; Rojas-Ayala, Bárbara; Schlawin, Everett; Gooding, Mary; Schluns, Kyle; Dhital, Saurav; Pineda, J. Sebastian; Jones, David O., 2011, AJ 141 97 ([ADS](#); [ArXiv](#))
- B1 MEETING THE COOL NEIGHBORS. IX. THE LUMINOSITY FUNCTION OF M7-L8 ULTRACOOL DWARFS IN THE FIELD  
Cruz, Kelle L.; Reid, I. Neill; Kirkpatrick, J. Davy; Burgasser, Adam J.; Liebert, James; Solomon, Adam R.; **Schmidt, Sarah J.**; Allen, Peter R.; Hawley, Suzanne L.; Covey, Kevin R., 2007, AJ 133 439 ([ADS](#); [ArXiv](#))

- White Papers & Conference Proceedings**
- C7 WHO ASKS QUESTIONS AT ASTRONOMY MEETINGS?  
Schmidt, Sarah J.; Davenport, James R. A. 2017, Nature Astronomy 1 153 ([ADS](#); [Public Link](#))
  - C6 THE ROLE OF GENDER IN ASKING QUESTIONS AT COOL STARS 18 AND 19  
**Schmidt, Sarah J.**; Douglas, Stephanie; Gosnell, Natalie M.; Muirhead, Philip S.; Booth, Rachel S.; Davenport, James R. A.; Mace, Gregory N. 2017, Cool Stars 19 Proceedings; [ArXiv:1704.05260](#)
  - C5 EXAMINING THE AGE/ACTIVITY RELATIONSHIP OF ULTRACOOOL DWARFS WITH GAIA  
**Schmidt, Sarah J.**, 2014, GAIA and the Unseen—The Brown Dwarf Question, eds. Ricky Smart, David Barrado, Jackie Faherty; [ArXiv:1405.6206](#)
  - C4 EVALUATION OF A COLLEGE FRESHMAN DIVERSITY RESEARCH PROGRAM  
Garner, Sarah; Tremmel, Michael J.; **Schmidt, Sarah J.**; Wisniewski, John P.; Agol, Eric; [ArXiv:1311.5486](#)
  - C3 MAPPING THE MILKY WAY’S ULTRACOOOL DWARFS, SUBDWARFS, AND WHITE DWARFS  
Dhital et al. 2011, White Paper for LSST Deep-Drilling Field Observations; [LSST archive](#)
  - C2 LSST SCIENCE BOOK, VERSION 2.0  
LSST Science Collaboration, 2009; [ArXiv:0912.0201](#)
  - C1 INCREASING THE NUMBER OF UNDERREPRESENTED MINORITIES IN ASTRONOMY: EXECUTIVE SUMMARY  
Norman, D. et al. 2009; Astro2010: The Astronomy and Astrophysics Decadal Survey, Position Papers, no. 38; [arXiv:0903.4505](#)
- Contributed Talks**
- D7 ARE THERE WHITE LIGHT FLARES ON BROWN DWARFS?  
Schmidt, Sarah J., Brown Dwarf Exoplanet connection 2, Delaware 2017
  - D6 M DWARFS IN ASAS-SN: STELLAR FLARES FROM SPARSE CADENCE OBSERVATIONS  
Schmidt, Sarah J., Stellar Magnetism: Challenges, Connections, and Prospects; 14th Potsdam Thinkshop 2017
  - D5 EXAMINING THE AGES OF M7-L8 DWARFS WITH THE BOSS ULTRACOOOL DWARF SAMPLE  
Schmidt, Sarah J.; Hawley, Suzanne L.; West, Andrew A.; Bochanski, John J., 2016, AAS 227 #121.03
  - D4 CHROMOSPHERIC ACTIVITY ON L DWARFS  
Schmidt, Sarah J., Splinter Session: Magnetic Fields, Dynamos and Aurorae: From Brown Dwarfs to Exoplanets, 2014, Cool Stars 18
  - D3 ASASSN-13BC: A DRAMATIC FLARE ON AN ULTRACOOOL DWARF  
Schmidt, Sarah J.; Prieto, Jose L.; Stanek, K. Z.; Shappee, Benjamin J., 2014, AAS 223 #315.04
  - D2 KINEMATICS, COLORS, AND AGES OF ULTRACOOOL DWARFS  
Schmidt, Sarah J.; Hawley, Suzanne L., 2012, AAS 219 #330.06D
  - D1 KINEMATICS OF L DWARFS  
Schmidt, Sarah J.; West, Andrew A.; Hawley, Suzanne L., 2010, Cool Stars 16