

SARAH JANE SCHMIDT

Citizenship: USA
Email: sjschmidt@aip.de
Phone: +49 331 7499344
Office: Humbolt Haus 026

Leibniz-Institut für Astrophysik Potsdam (AIP)
An der Sternwarte 16
14482 Potsdam, Germany
www.sarahjaneschmidt.com

Employment	KARL SCHWARZSCHILD PRIZE POSTDOCTORAL FELLOW Leibniz-Institut für Astrophysik Potsdam (AIP)	2015–present
	COLUMBUS PRIZE POSTDOCTORAL FELLOW The Ohio State University	2012–2015
Education	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
Main Research Questions	How does the frequency of stellar flares depend on mass and age? Are the magnetic fields of brown dwarfs fundamentally different than those of stars? How do magnetic fields effectively heat ultracool stellar atmospheres? What is the potential to use next-generation surveys to understand cool star activity?	
Publications Summary	Compiled October 2019 (see ADS Library): 44 total refereed with 7601 citations including: 12 first author with 499 citations 25 nth-author science-focused with 855 citations 7 SDSS data release papers with 6247 citations Complete list including selected non-refereed at end of CV	
Honors & Awards	Karl Schwarzschild Prize Postdoctoral Fellowship	2015
	SDSS Early Career Astronomer Travel Award	2015
	Columbus Prize Postdoctoral Fellowship	2012
	Washington NASA Space Grant Graduate Fellow	2012
	NSF Graduate Fellowship Honorable Mention, Henry Borse Prize in Physics	2007, 2008 2006
	New York NASA Space Grant Undergraduate Fellow	2004, 2005

PI Funding Awarded	KARL-SCHWARZSCHILD FELLOWSHIP Leibniz-Institute for Astrophysics - Potsdam, total (incl. salary) 300,000 euro (~\$340,000)	2015–2020
	SDSS EARLY CAREER ASTRONOMER TRAVEL AWARD Travel to SDSS-IV meeting, total \$1200	2015
	COLUMBUS PRIZE FELLOWSHIP The Ohio State University, total (incl. salary) \$180,000	2012–2015
	THEODOR JACOBSEN TRAVEL FUND Several travel awards, total \$6000	2006–2010
PI Telescope Time Awarded	IRTF 3.0-M (SPEX), 2.5 NIGHTS	2013–2014
	LBT TWIN 8-M (LUCI, MODS), 20 HOURS	2012–2015
	MDM 1.3-M (OPTICAL SPECTROGRAPH AND IMAGER), 14 NIGHTS	2013
	SDSS 2.5-M (BOSS), 10,000 FIBERS	2010–2014
	ARC 3.5-M (TRIPLESPEC, DIS), 75 HALF-NIGHTS	2007–2012
	DAO 1.8-M (OPTICAL SPECTROGRAPH), 4 NIGHTS	2009
Selected Co-I Awards	KEPLER K2 GUEST OBSERVER PROGRAM Cycle 6; PI Faherty, \$125,000	2018
	TESS GUEST INVESTIGATOR PROGRAM Cycles 1 and 2; PI Pineda, 300 targets and \$48,000	2018–2019
	SALT 11-M 15 hours	2017
	KEPLER K2 GUEST OBSERVER PROGRAM Cycles 1–5; PI Gizis, 100 targets and \$100,000	2015–2018
	HST (COS) Cycle 21; PI Kowalski, 8 orbits	2013
	KPNO 2.1-M (SQUIID) 14 nights	2010–2011
Selected Conference Talks	INITIAL RESULTS FROM THE TESS ULTRACOOL DWARFS SURVEY Contributed, TESS Science conference at MIT	2019
	STELLAR FLARES Contributed, Astronomical Time Series at Max Planck, Heidelberg	2019
	USING APOGEE AND GAIA TO PROBE THE GALAXY WITH K AND M DWARFS Contributed, AAS 233	2019
	M DWARFS FOR EXOPLANETEERS Invited, Habitable Worlds splinter session on the M dwarf Opportunity	2017
	VARIABILITY IN STARS 101 Invited plenary, SDSS-IV Collaboration Meeting	2017
	ARE THERE WHITE LIGHT FLARES ON BROWN DWARFS? Contributed, Brown Dwarf Exoplanet Connection 2 at the University of Delaware	2017

M DWARFS IN ASAS-SN: STELLAR FLARES FROM SPARSE CADENCE OBSERVATIONS	2017
Contributed, 14th Potsdam Thinkshop on Stellar Magnetism	
SURVEYING THE COOLEST STARS IN THE MILKY WAY	2017
Invited plenary, Surveying the Cosmos in Sydney	
FINDING THE LARGEST FLARES ON ULTRACOOOL DWARFS WITH ASAS-SN	2016
Invited, Cool Stars 19 splinter session on Flares in Time-Domain Surveys	
THE AGES OF M7-L8 DWARFS WITH THE BOSS ULTRACOOOL DWARF SAMPLE	2016
Contributed, AAS 227	
DYNAMIC CHROMOSPHERES OF DWARFS OVER TIMESCALES OF A DECADE	2015
Invited plenary, SDSS-IV Collaboration Meeting	
THE PRE-MAJOR IN ASTRONOMY PROGRAM AT THE UNIVERSITY OF WASHINGTON	2015
Invited, Splinter on Bridge Programs at Inclusive Astronomy in Nashville	
CHROMOSPHERIC ACTIVITY ON L DWARFS	2014
Contributed, Cool Stars 18 Splinter on Magnetic Fields, Dynamos and Aurorae	
ASASSN-13BC: A DRAMATIC FLARE ON AN ULTRACOOOL DWARF	2014
Contributed, AAS 223	
BOSS ULTRACOOOL DWARFS	2013
Invited plenary, SDSS-III Collaboration Meeting	
KINEMATICS, COLORS, AND AGES OF ULTRACOOOL DWARFS	2012
Contributed Dissertation talk, AAS 221	
KINEMATICS OF L DWARFS	2010
Contributed, Cool Stars 16	

Colloquia & Seminars	CfA Stars and Planets Seminar, February 2019	
	University of Sheffield Seminar, February 2018	
	Hamburg Observatory Seminar, December 2017	
	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	

PhD & Masters Students Supervised	Victoria DiTomasso, Leibniz Institute for Astrophysics - Potsdam	2018–2019
	Post-bac Fulbright Fellowship supervisor	
	Ekaterina Ilin, University of Potsdam	2017–present
	Master's supervisor, PhD co-supervisor	
	Rocio Kiman, City University of New York	2017–present
	PhD co-supervisor	

Undergrad Students Supervised	Aurora Cid, College of Staten Island	2016–2018
	John-Paul Ventura, Hunter College	2016–2018
	Amber Medina, New Mexico State University	2014–2015
	<i>Currently:</i> Astronomy Graduate Student at Harvard University	
	Erika Wagoner, Ohio State University	2013–2014
	<i>Currently:</i> Physics Graduate Student at University of Arizona	
	Heather Gunning, University of Washington	2011–2014
	<i>Currently:</i> Research and Instrumental Analyst at Space Telescope Science Institute	
	Collin Kiely, University of Washington	2012
	<i>Currently:</i> Astronomy Graduate Student at University of Victoria	

Classroom Teaching Experience	INSTRUCTOR, UNIVERSITY OF WASHINGTON	
	ASTR 190: The Solar Neighborhood	Summer 2012
	Introductory topical course that I designed based on the solar neighborhood.	
	ASTR 101: Introduction to Astronomy	Summer 2010, 2011
	Standard introduction to astronomy for non-majors.	
	ASTR 192: Pre-Major in Astronomy Seminar	Fall 2008
	Seminar to involve traditionally under-represented undergraduates in astronomy research.	
	TEACHING ASSISTANT, UNIVERSITY OF WASHINGTON	
	ASTR 481: Undergraduate Observing	Summer 2008–2012
	Taught the basics of UW’s 0.6-m telescope to advanced undergraduates.	
Equity & Inclusion	ASTR 101: Introduction to Astronomy	2006–2007
	Teaching assistant for introductory astronomy classes.	
	AIP EQUITY & INCLUSION LUNCHES	2015–present
	Co-organizer and presenter in monthly lunch meetings at AIP on topics of equity and inclusion.	
	COMMITTEE ON INCLUSION IN SDSS (COINS)	2016–2019
	COMMITTEE CO-CHAIR	2016–2018
	Charged with assessing the SDSS climate and demographics and both recommending and implementing policies or practices for inclusiveness.	
	SDSS FAST COLLABORATOR	2016–2019
	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.	
	DIVERSITY JOURNAL CLUB	2012–2015
Additional Service	Instigated and facilitated a monthly journal club in the OSU astronomy department to present and discuss diversity & inclusion issues.	
	ORGANIZER AND CHAIR OF AAS SPECIAL SESSION	2015
	Led the committee that put together the session on “Celebrating 10 Years of Diversity With Pre-MAP” at the 225th AAS.	
	PRE-MAJOR IN ASTRONOMY PROGRAM (PRE-MAP) STAFF	2006–2012
	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.	
	REFeree	2014–present
	ApJ, AJ, A&A, MNRAS, JAAVSO	
	MEMBER OF MODERATOR TEAM, ASTRONOMERS FACEBOOK PAGE	2018–present
	Approve new members and moderate posts and comments on Astronomers Facebook page.	
	CO-SPOKESPERSON, AIP INTERNAL SCIENTIFIC COMMITTEE	2016–2018
	MEMBER, NOAO TAC GALACTIC PANEL	2015–2017
	REVIEWER, NASA EARTH AND SPACE SCIENCE FELLOWSHIP PROGRAM	2016–2017
	OSU QUEUE OBSERVER AT LBT	2014–2015
	Eighteen nights queue observing using LUCI (IR spectrograph and imager), MODS (optical	

spectrograph), and LBC (optical imager).

MEMBER, NASA K2 GUEST OBSERVER REVIEW PANEL 2014

GRADUATE REPRESENTATIVE ON ADMISSIONS COMMITTEE 2010–2011
Facilitated graduate student contact with prospective students and co-organized prospective visiting weekend.

COOL STARS 16 LOCAL ORGANIZING COMMITTEE 2010
Assisted with planning many aspects of the conference including excursions, facilities, poster arrangement and poster abstract sorting.

CO-ORGANIZER OF UNDERGRADUATE MENTORING WORKSHOP 2008
Facilitated an afternoon workshop for the Astronomy department including presentations from the campus Undergraduate Research Program staff.

Outreach

PROLIFIC TWEETER AT ASTRONOMY MEETINGS 2014–present
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 2015–2018
Spent one week per year on the popular AstroTweeps twitter account or the SDSS surveys account engaging the public about my research.

SPEAKER AT COLUMBUS ASTRONOMY ON TAP 2013, 2015
Presented public talks to an adult audience at a local bar.

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/uue8GONnjJU>) 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.

PUBLICATIONS

**First
Author
Refereed**

- A12 THE LARGEST M DWARFS FLARES FROM ASAS-SN
Schmidt, Sarah J.; Shappee, Benjamin J.; van Saders, Jennifer L.; Stanek, K. Z.; Brown, Jonathan S.; Kochanek, C. S.; Dong, Subo; Drout, Maria R.; Frank, Stephen; Holoien, Thomas W. -S.; Johnson, Sean; Madore, Barry F.; Prieto, Jose L.; Seibert, Mark; Seidel, Marja K.; Simonian, Gregory V. A., 2019, ApJ 876 115 ([ADS](#); [ArXiv](#))
- A11 WHO ASKS QUESTIONS AT ASTRONOMY MEETINGS?
Schmidt, Sarah J.; Davenport, James R. A. 2017, Nature Astronomy 1 153 ([ADS](#); [Pub Link](#))
- 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.; Holoien, 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_{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 ULTRACOOOL 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 ULTRACOOOL DWARFS: OPTICAL TEMPLATE SPECTRA, BOLOMETRIC CORRECTIONS, AND χ 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 ULTRACOOOL 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 ULTRACOOOL 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](#))

**Second
Author
Student-led
Refereed**

- B3 EXPLORING THE AGE DEPENDENT PROPERTIES OF M AND L DWARFS USING *Gaia* AND SDSS
Kiman, Rocio; **Schmidt, Sarah J.**; Angus, Ruth; Cruz, Kelle L.; Faherty, Jacqueline K.; Rice, Emily, 2019, AJ 157 231 ([ADS](#); [ArXiv](#))

- B2 FLARES IN CLUSTERS WITH *K2* I: M44, M45, AND M67
 Ilin, Ekaterina, **Schmidt, Sarah J.**, Davenport, James R. A., Strassmeier, Klaus G., 2019, A&A 26 622 ([ADS](#); [ArXiv](#))
- B1 H α 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](#))
- Additional Refereed** C28 THE ULTRACOOL SPEXTROSCOPIC SURVEY. I. VOLUME-LIMITED SPECTROSCOPIC SAMPLE AND LUMINOSITY FUNCTION OF M7–L5 ULTRACOOL DWARFS
 Bargalez Gagliuffi, Daniella C.; Burgasser, Adam J.; **Schmidt, Sarah J.**; Theissen, Christopher; Gagné, Jonathan; Sahlmann, Johannes; Faherty, Jacqueline; Gelino, Christopher; Cruz, Kelle L.; Skrzypek, Nathalie, 2019, ApJ 883 205 ([ADS](#); [ArXiv](#))
- C27 *K2* ULTRACOOL DWARFS SURVEY. V. HIGH SUPERFLARE RATES ON RAPIDLY ROTATING LATE-M DWARFS
 Paudel, Rishi R.; Gizis, John E.; Mullan, D. J.; **Schmidt, Sarah J.**; Burgasser, Adam J.; Williams, Peter K. G.; Youngblood, Allison, 2019, MNRAS 486 1438 ([ADS](#); [ArXiv](#))
- C26 THE NEAR-ULTRAVIOLET CONTINUUM RADIATION IN THE IMPULSIVE PHASE OF HF/GF-TYPE DME FLARES 1: DATA
 Kowalski, Adam F.; Wisniewski, John P.; Hawley, Suzanne L.; Osten, Rachel A.; Brown, Alexander; Fariña, Cecilia; Velenti, Jeff A.; Brown, Stephen; Xilouris, Manolis; **Schmidt, Sarah J.**; Johns-Krull, Christopher, 2018, ApJ 871 167 ([ADS](#); [ArXiv](#))
- C25 *K2* ULTRACOOL DWARFS SURVEY. IV. MONSTER FLARES OBSERVED ON THE YOUNG BROWN DWARF CFHT-BD-TAU 4
 Paudel, Rishi R.; Gizis, John E.; Mullan, D. J.; **Schmidt, Sarah J.**; Burgasser, Adam J.; Williams, Peter K. G.; Berger, Edo, 2018, ApJ 861 76 ([ADS](#); [ArXiv](#))
- C24 *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, 2018, ApJ 858 55 ([ADS](#); [ArXiv](#))
- C23 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, ApJ, 853 75 ([ADS](#); [ArXiv](#))
- C22 THE TIME-DOMAIN SPECTROSCOPIC SURVEY: TARGET SELECTION FOR REPEAT SPECTROSCOPY
 MacLeod, Chelsea L. and 35 co-authors including **Schmidt, Sarah J.**, 2017, AJ 155 6 ([ADS](#); [ArXiv](#))
- C21 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](#))
- C20 *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](#))
- C19 *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](#))

- C18 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](#))
- C17 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](#))
- C16 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](#))
- C15 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](#))
- C14 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](#))
- C13 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](#))
- C12 SPATIALLY RESOLVED MEASUREMENTS OF H₂O, HCl, CO, OCS, SO₂, 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](#))
- C11 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](#))
- C10 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](#))
- C9 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](#))
- C8 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](#))
- C7 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](#))
- C6 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](#))
- C5 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](#))
- C4 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](#))
- C3 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](#))
- C2 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](#))
- C1 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](#))
- Selected**
Unrefereed
- C9 ASASSN-18DI: DISCOVERY OF A POWERFUL FLARE ON A MID-M DWARF
Rodríguez, R.; **Schmidt, S. J.**; Jayasinghe, T.; Stanek, K. Z.; Prieto, J. L.; Shappee, B.; Kochanek, C. S.; Thompson, Todd A.; Shields, J.; Holoien, T. W. -S.; Bersier, D.; Brimacombe, J., 2018, RNAAS 2 8 ([ADS](#); [ArXiv](#))
- C8 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](#)
- C7 ASASSN-16CX: DISCOVERY OF AN EXTREME ($\Delta V = 8$ MAG) M-DWARF FLARE
Simonian, G.; Stanek, K. Z.; **Schmidt, S.**; Kochanek, C. S.; Brown, J. S.; Holoien, T. W. -S.; Godoy-Rivera, D.; Basu, U.; Shappee, B. J.; Prieto, J. L.; Bersier, D.; Dong, Subo; Chen, Ping; Brimacombe, J., 2016, ATel 8803 1 ([ADS](#); [ATel](#))
- C6 ASASSN-16AE: DISCOVERY OF AN EXTREME ($\Delta V = 10$ MAG) FLARE ON AN ULTRACOOL DWARF STAR
Shappee, B. J.; Stanek, K. Z.; **Schmidt, S.**; Holoien, T. W. -S.; Brown, J. S.; Kochanek, C. S.; Godoy-Rivera, D.; Basu, U.; Prieto, J. L.; Bersier, D.; Dong, Subo; Chen, Ping; Brimacombe, J., 2016, ATel 8553 1 ([ADS](#); [ATel](#))
- C5 EXAMINING THE AGE/ACTIVITY RELATIONSHIP OF ULTRACOOL 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 ULTRACOOL 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](#)

REFERENCES

Prof. Suzanne L. Hawley
Divisional Dean of Natural Sciences
University of Washington
Box 353765
Seattle, WA 98195-1580
Phone: +1 206 616 8709
Email: slhawley@uw.edu

Prof. Jennifer A. Johnson
The Ohio State University
Department of Astronomy
140 W. 18th Ave.
Columbus, OH 43210
Phone: +1 614 292 5651
Email: jaj@astronomy.ohio-state.edu

Prof. Kelle L. Cruz
Hunter College
Dept. of Physics and Astronomy
695 Park Avenue
New York, NY 10065
Phone: +1 212 496 3404
Email: kelle.cruz@hunter.cuny.edu

Prof. Dr. Katja Poppenhaeger
Leibniz Institute for Astrophysics Potsdam (AIP)
An der Sternwarte 16
14482 Potsdam, Germany
Phone: +49 331 7499 521
Email: kpoppenhaeger@aip.de

Prof. Dr. Klaus Strassmeier
Leibniz Institute for Astrophysics Potsdam (AIP)
An der Sternwarte 16
14482 Potsdam, Germany
Phone: +49 331 7499 295
Mail: kstrassmeier@aip.de