

Christopher A. Theissen

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EDUCATION	Boston University , Boston, Massachusetts, USA	
	Doctor of Philosophy (Ph.D.) in Astronomy	Jan 2018
	Thesis: <i>Low-mass Stars with Extreme Mid-Infrared Excesses: Potential Signatures of Planetary Collisions</i>	
	Master of Arts (M.A.) in Astronomy	May 2013
	University of California San Diego , La Jolla, California, USA	
	Bachelor of Science (B.S.) in Physics	Jun 2010
	Specialization in Astrophysics	
Bachelor of Arts (B.A.) in Mathematics	Jun 2010	
Applied Science		
San Diego Mesa College , San Diego, California, USA		
Associate of Arts (A.A.) in Transfer Studies	Jun 2007	
PROFESSIONAL APPOINTMENTS	NASA Sagan Postdoctoral Fellow	Sep 2019–Present
	UC San Diego, Center for Astrophysics and Space Sciences	
	Visting Scholar	Jan 2019–Sep 2019
	UC San Diego, Department of Physics	
	Postdoctoral Scholar – Konopacky Group	Jan 2018–Jan 2019
UC San Diego, Department of Physics		
Supervisor: Quinn Konopacky		
Adjunct Professor – San Diego Mesa College	Jun 2017–Jan 2019	
Department of Physical Sciences		
ACADEMIC AWARDS & HONORS	UC San Diego Chancellor’s Postdoctoral Fellowship	2021
	UC San Diego Chancellor’s Outstanding Postdoctoral Scholar Award	2020
	NASA Hubble Fellowship Program Sagan Postdoctoral Fellowship	2019–2022
	Ford Foundation Dissertation Fellowship (Honorable Mention/Alternate)	2016
	National Science Foundation Graduate K–12 Fellowship	2014–2015
	Excellent Teaching Fellow Award, Boston University	2012
	Ford Foundation Predoctoral Fellowship	2012–2016
	California Alliance for Minority Participation Graduate School Application Award	2011
	Minority Undergraduate Research Fellowship, California Institute of Technology	2009
Opportunity Grant, University of California San Diego	2009–2010	
RESEARCH EXPERIENCE	Konopacky Group , UC SAN DIEGO	2019–Present
	NASA Sagan Postdoctoral Fellow	
Host: Quinn Konopacky		

Konopacky Group, UC SAN DIEGO	2018–2019
Postdoctoral Scholar	
PI: Quinn Konopacky	
Cool Star Lab, UC SAN DIEGO	2015–2017
Visiting Graduate Student Researcher	
Mentor: Adam Burgasser	
West Group, BOSTON UNIVERSITY	2011–2017
Graduate Student Researcher	
Advisor: Andrew West	
Palomar Transient Factory, CALIFORNIA INSTITUTE OF TECHNOLOGY	2009–2010
Undergraduate Research Student	
Advisors: Shrinivas Kulkarni and Robert Quimby	
High Energy Physics Group, UNIVERSITY OF CALIFORNIA SAN DIEGO	2009–2010
Undergraduate Research Student	
Advisors: Frank Würthwein and Igor Sfiligoi	
Cosmology Group, UNIVERSITY OF CALIFORNIA SAN DIEGO	2008–2009
Undergraduate Research Student	
Advisors: Brian Keating and Hans Paar	

**TEACHING
EXPERIENCE**

Astronomy 101: Descriptive Astronomy, MESA COLLEGE, SAN DIEGO, CA	Summer 2017
Adjunct Faculty	
8th Grade Science, ATLANTIC MIDDLE SCHOOL, QUINCY, MASSACHUSETTS	2014–2015
Resident Scientist (NSF GK-12 Fellow)	
Astronomy 203: Principles of Astronomy II, BOSTON UNIVERSITY	Spring 2012
Teaching Fellow	
Astronomy 101: The Solar System, BOSTON UNIVERSITY	Fall 2011
Teaching Fellow	

**FIRST-AUTHOR
REFEREED
PUBLICATIONS**

- *DIRECTLY MENTORED STUDENT CO-AUTHORS ARE UNDERLINED.
- A7 **Theissen, C. A.**, Konopacky, Q. M., Lu, J. R., Kim, D., Zhang, S., Hsu, C., Chu, L., Wei, L., “The 3-D Kinematics of the Orion Nebula Cluster: NIRSPEC-AO Radial Velocities of the Core Population,” *ApJ*, in press, Oct 2021.
- A6 **Theissen, C. A.**, “Parallaxes of Cool Objects with *WISE*: Filling in for *Gaia*,” *ApJ*, 862, 173, Aug 2018.
- A5 **Theissen, C. A.**, Burgasser, A. J., Bardalez Gagliuffi, D. C., Hardegree-Ullman, K. K., Gagné, J., Schmidt, S. J., West, A. A., “2MASS J11151597+1937266: A Young, Dusty, Isolated, Planetary-Mass Object with a Potential Wide Stellar Companion,” *ApJ*, 853, 75, Jan 2018.
- A4 **Theissen, C. A.**, West, A. A., “Collisions of Terrestrial Worlds: The Occurrence of Extreme Mid-Infrared Excesses around Low-mass Field Stars,” *AJ*, 153, 165, Apr 2017.
- A3 **Theissen, C. A.**, West, A. A., Shippee, G., Burgasser, A. J., Schmidt, S. J., “The Late-Type Extension to MoVeRS (LaTE-MoVeRS): Proper Motion Verified Low-mass Stars and Brown Dwarfs from SDSS, 2MASS, and *WISE*,” *AJ*, 153, 92, Feb 2017.
- A2 **Theissen, C. A.**, West, A. A., Dhital, S., “Motion Verified Red Stars (MoVeRS): A Catalog of Proper Motion Selected Low-mass Stars from *WISE*, SDSS, and 2MASS,” *AJ*, 151, 41, Feb 2016.
- A1 **Theissen, C. A.**, West, A. A., “Warm Dust around Cool Stars: *WISE* 12 and 22 μm Excesses around SDSS M Dwarfs,” *ApJ*, 794, 146, Oct 2014.

- B18 Abdurro'uf, Accetta, K., Aerts, C., Silva Aguirre, V., Ahumada, R., Ajaonkar, N., Filiz Ak, N., Alam, S., Allende Prieto, C., Almeida, A., Anders, F., Anderson, S. F. Andrews, B. H., Anguiano, B., Aquino-Ortiz, E., Aragon-Salamanca, A., Argudo-Fernandez, M., Ata, M., Aubert, M., Avila-Reese, V., Badenes, C., Barba, R. H., Barger, K., Barrera-Ballesteros, J. K. Beaton, R. L., Beers, T. C., Belfiore, F., Bender, C. F., Bernardi, M., Bershady, M. A., Beutler, F., Moni Bidin, C., Bird, J. C., Bizyaev, D., Blanc, G. A., Blanton, M. R., Boardman, N. F., Bolton, A. S., Boquien, M., Borissova, J., Bovy, J., Brandt, W. N., Brown, J., Brownstein, J. R., Brusa, M., Buchner, J., Bundy, K., Burchett, J. N., Bureau, M., Burgasser, A. J., Cabang, T. K., Campbell, D., Cappellari, M., Carlberg, J. K., Carneiro Wanderley, F., Carrera, R., Cash, J., Chen, Y., Chen, W., Cherinka, B., Chiappini, C., Ider Chitham, J., Choi, S., Chojnowski, D., Chung, H., Clerc, N., Cohen, R. E., Comerford, J. M., Comparat, J., da Costa, L., Covey, K., Crane, J. D., Cruz-Gonzalez, I., Culhane, C., Cunha, K., Sophia Dai, Y., Damke, G., Darling, J., Davidson Jr., J. W., Davies, R., Dawson, K., De Lee, N., Diamond-Stanic, A. M., Cano-Diaz, M., Dominguez Sanchez, H., Donor, J., Duckworth, C., Dwelly, T., Eisenstein, D. J., Elsworth, Y. P., Emsellem, E., Eracleous, M., Escoffier, S., Fan, X., Farr, E., Feng, S., Fernandez-Trincado, J. G., Feuillet, D., Filipp, A., Fillingham, S. P., Frinchaboy, P. M., Fromenteau, S., Galbany, L., Garcia, R. A., Garcia-Hernandez, D. A., Ge, J., Geisler, D., Gelfand, J., Geron, T., Gibson, B. J., Goddy, J., Godoy-Rivera, D., Grabowski, K., Green, P. J., Greener, M., Grier, C. J., Griffith, E., Guo, H., Guy, J., Hadjara, M., Harding, P., Hasselquist, S., Hayes, C. R., Hearty, F., Hernndez, J., Hill, L., Hogg, D. W., Holtzman, J. A., Horta, D., Hsieh, B., Hsu, C., Hsu, Y., Huber, D., Huertas-Company, M., Hutchinson, B., Seong Hwang, H., Ibarra-Medel, H. J., Ilha, G. S., Imig, J., Jackle, M., Jayasinghe, T., Ji, X., Johnson, J. A., Jones, A., Jonsson, H., Katkov, I., Khalatyan, A., Kinemuchi, K., Kisku, S., Knapen, J. H., Kneib, J., Kollmeier, J. A., Kong, M., Kounkel, M., Kreckel, K., Krishnarao, D., Lacerna, I., Lane, R. R., Langgin, R., Lavender, R., Law, D. R., Lazarz, D., Leung, H. W., Leung, H., Lewis, H. M., Li, C., Li, R., Lian, J., Liang, F., Lin, L., Lin, Y., Lin, S., Lintott, C., Long, D., Longa-Pena, P., Lopez-Coba, C., Lu, S., Lundgren, B. F., Luo, Y., Mackereth, J. T., de la Macorra, A., Mahadevan, S., Majewski, S. R., Machado, A., Mandeville, T., Maraston, C., Margalef-Bentabol, B., Masseron, T., Masters, K. L., Mathur, D., McDermid, R. M., Mckay, M., Merloni, A., Merrifield, M., Meszaros, S., Miglio, A., Di Mille, F., Minniti, D., Minsley, R., Moon, J., Mosser, B., Mulchaey, J., Muna, D., Munoz, R. R., Myers, A. D., Myers, N., Nadathur, S., Nair, P., Nandra, K., Neumann, J., Newman, J. A., Nidever, D. L., Nikakhtar, F., Nitschelm, C., O'Connell, J. E., Garma-Oehmichen, L., de Oliveira, G., Olney, R., Oravetz, D., Ortigoza-Urdaneta, M., Osorio, Y., Otter, J., Pace, Z. J., Padilla, N., Pan, K., Pan, H., Parikh, T., Parker, J., Peirani, S., Pena Ramirez, K., Penny, S., Percival, W. J., Perez-Fournon, I., Pinsonneault, M., Poidevin, F., Jacob Poovelil, V., Price-Whelan, A. M., de Andrade Queiroz, A., Jordan Raddick, M., Ray, A., Barboza Rembold, S., Riddle, N., Riffel, R. A., Riffel, R., Rix, H., Robin, A. C., Antonio Santana Rojas, F., Roman-Lopes, A., Roman-Zuniga, C., Rose, B., Ross, A. J., Rossi, G., Rubin, K. H. R., Salvato, M., Sanchez-Gallego, J. R., Sanderson, R., Sarceno, E., Sarmiento, R., Sayres, C., Sazonova, E., Schaefer, A. L., Schlegel, D. J., Schneider, D. P., Schultheis, M., Schwope, A., Serenelli, A., Serna, J., Shao, Z., Shapiro, G., Sharma, A., Shen, Y., Shetrone, M., Shu, Y., Simon, J. D., Skrutskie, M. F., Smethurst, R., Smith, V., Sobek, J., Spoo, T., Sprague, D., Stark, D. V., Stassun, K. G., Steinmetz, M., Stello, D., Stone-Martinez, A., Storchi-Bergmann, T., Stringfellow, G. S., Stutz, A., Su, Y., Taghizadeh-Popp, M., Talbot, M. S., Tayar, J., Telles, E., Teske, J., Thakar, A., **Theissen, C. A.**, , Thomas, D., Tkachenko, A., Tojeiro, R., Hernandez Toledo, H., Troup, N. W., Trump, J. R., Trussler, J., Turner, J., Tuttle, S., Unda-Sanzana, E., Vazquez-Mata, J. A., Valentini, M., Valenzuela, O., Vargas-Gonzalez, J., Vargas-Magana, M., Alfaro, P. V., Villanova, S., Vincenzo, F., Wake, D., Warfield, J. T., Washington, J. D., Weaver, B. A., Weijmans, M., Weinberg, D. H., Weiss, A., Westfall, K. B., Wild, V., Wilde, M. C., Wilson, J. C., Wilson, R. F., Wilson, M., Wolf, J., Wood-Vasey, W. M., Yan, R., Zamora, O., Zasowski, G., Zhang, K., Zhao, C., Zheng, Z., Zhu, K., "The Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar and APOGEE-2 Data," *ApJS*, under review, Oct 2021.
- B17 Aganze, C., Burgasser, A. J., Malkan, M., **Theissen, C. A.**, Tejada Arevalo, R. A., Hsu, C., Bardalez Gagliuffi, D. C., Ryan, R. E., Holwerda, B., "Beyond the Local Volume: Surface Densities of Ultracool Dwarfs in Deep HST/WFC3 Parallel Fields," *ApJ*, in press, Oct 2021.

- B16 Faherty, J. K., Gagné, J., Popinchalk, M., Vos, J. M., Burgasser, A. J., Schumann, J., Schneider, A. C., Kirkpatrick, J. D., Meisner, A. M., Kuchner, M. J., Bardalez Gagliuffi, D. C., Marocco, F., Caselden, D., Gonzales, E. C., Rothermich, A., Casewell, S. L., Debes, J. H., Aganze, C., Ayala, A., Hsu, C., Cooper, W. J., Smart, R. L., Gerasimov, R., **Theissen, C. A.**, The Backyard Worlds: Planet 9 Collaboration, “A Wide Planetary Mass Companion Discovered Through the Citizen Science Project Backyard Worlds: Planet 9,” *ApJ*, in press, Oct 2021.
- B15 Schneider, A. C., Meisner, A. M., Gagné, J., Faherty, J. K., Marocco, F., Burgasser, A. J., Kirkpatrick, J. D., Kuchner, M. J., Goodman, S. J., Gramaize, L., Rothermich, A., Brooks, H., Vrba, F. J., Bardalez Gagliuffi, D. C., Caselden, D., Cushing, M. C., Gelino, C. R., Line, M. R., Casewell, S. L., Debes, J. H., Aganze, C., Ayala, A., Gerasimov, R., Gonzales, E. C., Hsu, C., Kiman, R., Popinchalk, M., **Theissen, C. A.**, The Backyard Worlds: Planet 9 Collaboration, “Ross 19B: An Extremely Cold Companion Discovered via the Backyard Worlds: Planet 9 Citizen Science Project,” *ApJ*, in press, Aug 2021.
- B14 Hsu, C., Burgasser, A. J., **Theissen, C. A.**, Gelino, C. R., Birky, J., Diamant, S. J. M., Bardalez Gagliuffi, D. C., Aganze, C., Blake, C. H., “The Brown Dwarf Kinematics Project (BDKP). V. Radial and Rotational Velocities of T Dwarfs from Keck/NIRSPEC High-Resolution Spectroscopy,” *ApJ*, in press, Oct 2021.
- B13 Wells, R. D., Rackham, B. V., Schanche, N., Petrucci, R., Gómez Maqueo Chew, Y., Demory, B.-O., Burgasser, A. J., Burn, R., Pozuelos, F. J., Günther, M. N., Sabin, L., Schroffenegger, U., Gómez-Munoz, M. A., Stassun, K. G., Van Grootel, V., Howell, S. B., Sebastian, D., Triaud, A. H. M. J., Apai, D., Plauchu-Frayn, I. Guerrero, C. A., Guillen, P. F., Landa, A., Melgoza, G., Montalvo, F., Serrano, H., Riesgo, H., Barkaoui, K., Bixel, A., Burdanov, A., Chen, W. P., Chinchilla, P., Collins, K. A., Daylan, T., de Wit, J., Delrez, L., Dévora-Pajares, M., Dietrich, J., Dransfield, G., Ducrot, E., Fausnaugh, M., Furlan, E., Gabor, P., Gan, T., García, L., Ghachoui, M., Giacalone, S., Gibbs, A. B., Gillon, M., Gnilka, C., Gore, R., Guerrero, N., Henning, T., Hesse, K., Jehin, E., Jenkins, J. M., Latham, D. W., Lester, K., McCormac, J., Murray, C. A., Niraula, P., Pedersen, P. P., Queloz, D., Ricker, G., Rodriguez, D. R., Schroeder, A., Schwarz, R. P., Scott, N., Seager, S., **Theissen, C. A.**, Thompson, S., Timmermans, M., Twicken, J. D., Winn, J. N., “A large sub-Neptune transiting the thick-disk M4V TOI-2406,” *A&A*, 653, A97 Sep 2021.
- B12 Meisner, A. M., Schneider, A. C., Burgasser, A. J., Marocco, F., Line, M. R., Faherty, J. K., Kirkpatrick, J. D., Caselden, D., Kuchner, M. J., Gelino, C. R., Gagné, J., **Theissen, C. A.**, Gerasimov, R., Aganze, C., Hsu, C., Wisniewski, J. P., Casewell, S. L., Bardalez Gagliuffi, D. C., Logsdon, S. E., Eisenhardt, P. R., Allers, K. N., Debes, J. H., Allen, M. B., Andersen, N. S., Goodman, S. J., Gramaize, L., Martin, D. W., Sainio, A., Cushing, M. C., The Backyard Worlds: Planet 9 Collaboration, “New Candidate Extreme T Subdwarfs from the Backyard Worlds: Planet 9 Citizen Science Project,” *ApJ*, 915, 120, May 2021.
- B11 Kirkpatrick, J. D., Gelino, C. R., Faherty, J. K., Meisner, A. M., Caselden, D., Schneider, A. C., Marocco, F., Cayago, A. J., Smart, R. L., Eisenhardt, P. R., Kuchner, M. J., Wright, E. L., Cushing, M. C., Allers, K. N., Bardalez Gagliuffi, D. C., Burgasser, A. J., Gagné, J., Logsdon, S. E., Martin, E. C., Ingalls, J. C., Lowrance, P. J., Abrahams, E. S., Aganze, C., Gerasimov, R., Gonzales, E. C., Hsu, C., Kamraj, N., Kiman, R., Rees, J., **Theissen, C. A.**, Ammar, K., Andersen, N. S., Beaulieu, P., Colin, G., Elachi, C. A., Goodman, S. J., Gramaize, L., Hamlet, L. K., Hong, J., Jonkeren, A., Khalil, M., Martin, D. W., Pendrill, W., Pumphrey, B., Rothermich, A., Sainio, A., Stenner, A., Tanner, C., Thévenot, M., Walla, J., Wedracki, Z., The Backyard Worlds: Planet 9 Collaboration, “The Field Substellar Mass Function Based on the Full-sky 20-pc Census of 525 L, T, and Y Dwarfs,” *ApJS*, 253, 7, May 2021.
- B10 Wilcomb, K. K., Konopacky, Q. M., Barman, T. S., **Theissen, C. A.**, Ruffio, J.-B., Brock, L., Macintosh, B., Marois, C., “Moderate-Resolution *K*-Band Spectroscopy of Substellar Companion κ Andromedae b,” *AJ*, 160, 270, Nov 2020.

- B9 Meisner, A. M., Faherty, J. K., Kirkpatrick, J. D., Schneider, A. C., Caselden, D., Gagné, J., Kuchner, M. J., Burgasser, A. J., Casewell, S. L., Debes, J. H., Artigau, É., Bardalez Gagliuffi, D. C., Logsdon, S. E., Kiman, R., Allers, K. N., Hsu, C., Wisniewski, J. P., Allen, M. B., Beaulieu, P., Colin, G., Durantini Luca, H. A., Goodman, S., Gramaize, L., Hamlet, L. K., Hinckley, K., Kiwy, F., Martin, D. W., Pendrill, W., Rothermich, A., Sainio, A., Schumann, J., Andersen, N. S., Tanner, C., Thakur, V., Thévenot, M., Walla, J., Wedracki, Z., Aganze, C., Gerasimov, R., **Theissen, C. A.**, The Backyard Worlds: Planet 9 Collaboration, “*Spitzer* Follow-up of the Coldest Brown Dwarfs Discovered by the Backyard Worlds: Planet 9 Citizen Science Project,” *ApJ*, 889, 123, Aug 2020.
- B8 Muirhead, P. S., Veyette, M. J., Newton, E. R., **Theissen, C. A.**, Mann, A. W., “Magnetic Inflation and Stellar Mass. V. Intensification and saturation of M dwarf absorption lines with Rossby number,” *AJ*, 159, 52, Feb 2020.
- B7 Bardalez Gagliuffi, D. C., Burgasser, A. J., Schmidt, S. J., **Theissen, C. A.**, Gagné, J., Gillon, M., Sahlmann, J., Faherty, J. K., Gelino, C., Cruz, K., Skrzypek, N.,Looper, D., “The Ultracool SpeXtoscopic Survey. I. Volume-limited Spectroscopic Sample and Luminosity Function of M7–L5 Ultracool Dwarfs,” *ApJ*, 883, 205, Oct 2019.
- B6 Kim, D., Lu, J. R., Konopacky, Q., Urban, L., Toller, E., Anderson, J., **Theissen, C. A.**, Morris, M. R., “Stellar Proper Motions in the Orion Nebular Cluster,” *AJ*, 157, 118, Feb 2019.
- B5 Gagné, J., Allers, K. N., **Theissen, C. A.**, Faherty, J. K., Bardalez Gagliuffi, D. C., Artigau, É., “2MASS J13243553+6358281 is an Early T-Type Planetary-mass Object in the AB Doradus Moving Group,” *ApJL*, 854, L27, Feb 2018.
- B4 Favia, A., West, A. A., **Theissen, C. A.**, “Runaway M Dwarf Candidates from the Sloan Digital Sky Survey,” *ApJ*, 813, 26, Nov 2015.
- B3 Arcavi, I., Gal-Yam, A., Sullivan, M., Pan, Y. C., Cenko, S. B., Ofek, E. O., De Cia, A., Yan, L., Yang, C. W., Howell, D. A., Tal, D., Kulkarni, S. R., Tendulkar, S. P., Tang, S., Xu, D., Sternberg, A., Cohen, J. G., Bloom, J. S., Nugent, P. E., Kasliwal, M. M., Perley, D. A., Quimby, R. M., Miller, A. A., **Theissen, C. A.**, Laher, R. R., “A Continuum of H- to He-rich Tidal Disruption Candidates With a Preference for E+A Galaxies,” *ApJ*, 793, 38, Sep 2014.
- B2 Sfligoi, I., Würthwein, F., **Theissen, C. A.**, Dost, J. M., “Scalability of network facing services used in the Open Science Grid,” *Journal of Physics: Conference Series*, 331, 062023, Dec 2011.
- B1 Quimby, R. M., Kulkarni, S. R., Kasliwal, M. M., Gal-Yam, A., Arcavi, I., Sullivan, M., Nugent, P., Thomas, R., Howell, D. A., Nakar, E., Bildsten, L., **Theissen, C. A.**, Law, N., Dekany, R., Rahmer, G., Hale, D., Smith, R., Ofek, E. O., Zolkower, J., Velur, V., Walters, R., Henning, J., Bui, K., McKenna, D., Poznanski, D., Cenko, S. B., Levitan, D., “Hydrogen-poor superluminous stellar explosions,” *Nature*, 474, 487, Jun 2011.
- C6 Low, R., Burgasser, A. J., Reylé, C., Gerasimov, R., Hsu, C., **Theissen, C. A.**, “Spectroscopic Confirmation of an M6 Dwarf Companion to the Nearby Star BD-08 2582,” *RNAAS*, 5, 26, Feb 2021.
- C5 **Theissen, C. A.**, Bardalez Gagliuffi, D. C., Faherty, J. K., Gagné, J., Burgasser, A. J., “WISE J135501.90-825838.9 is a Nearby, Young, Extremely Low-mass Substellar Binary,” *RNAAS*, 4, 67, May 2020.
- C4 Muirhead, P. S., Skinner, J. N., Radigan, J., Triaud, A., **Theissen, C. A.**, Bardalez Gagliuffi, D. C., Tamburo, P., Burgasser, A. J., Faherty, J. K., Stephens, D., “Searching for Exosatellites Orbiting L and T Dwarfs: Connecting Planet Formation to Moon Formation and Finding New Temperate Worlds,” *BAAS, Astro2020 White Paper*, 2019.
- C3 Dupuy, T. J., Kraus, A. L., **Theissen, C. A.**, Bardalez Gagliuffi, D. C., Burgasser, A. J., Girard, J., Gizis, J., “Establishing an Empirical Substellar Sequence to Planetary Masses,” *BAAS, Astro2020 White Paper*, 2019.

PREPRINTS &
OTHERS

C2 Kirkpatrick, J. D., Abdurrahman, F., Best, W. J., Dupuy, T. J., Faherty, J. K., Henderson, C. B., Marocco, F., Mróz, P., Sahlmann, J., Smart, R. L., **Theissen, C. A.**, Wright, E. L., “The Need for Infrared Astrometry of Brown Dwarfs in the Post-Gaia Era,” *BAAS*, Astro2020 White Paper, 2019.

C1 Burgasser, A. J., **Theissen, C. A.**, Bardalez Gagliuffi, D. C., Schlawin, E., “Identification of WISE J000100.45+065259.6 as an M8.5+T5 Spectral Binary Candidate,” *RNAAS*, 1, 47, Dec 2017.

CONFERENCE PROCEEDINGS

D4 Wilcomb, K. K.; Konopacky, Q.; Barman, T.; **Theissen, C. A.**; Brock, L. S.; Macintosh, B.; Ruffio, JB.; Marois, C., “Moderate Resolution Spectroscopy of Directly Imaged Planets,” *Extreme Solar Systems IV*, *BAAS*, 2019.

D3 Burgasser, A. J., **SPLAT Development Team**, “The SpeX Prism Library Analysis Toolkit (SPLAT): A Data Curation Model,” *3rd International Workshop on Spectral Stellar Libraries*, 14, 7-22, Oct 2017.

D2 Chakrabarti, S., Baumgardner, J., Dahlgren, H., **Theissen, C. A.**, Cook, T., “Laboratory and Field tests of a High Throughput and Multi-slit Imaging Spectrograph (HiT&MIS),” *39th COSPAR Scientific Assembly*, 293, Feb 2016.

D1 Sfiligoi, I., Würthwein, F. and **Theissen, C. A.**, “Using Condor Glideins for Distributed Testing of Network Facing Services,” *Third International Joint Conference on Computational Science and Optimization*, 327-331, May 2010.

PRESENTATIONS & POSTERS

“The Three Dimensional Kinematics of the Low-mass Population within the ONC Core,” *NASA Hubble Symposium* [Talk], Nov 2021.

“Using the Smallest Stars to Explore Large-scale Habitability within the Milky Way Galaxy,” *UCSD Physics Colloquium* [Invited Talk], Jan 2021.

“Investigating Spectral Peculiarities in the Lowest-mass Planet Hosts,” *AAS 237 (Winter Meeting)* [Talk], Jan 2021.

“Spectral Peculiarities in Ultracool Dwarf Planet Hosts,” *NASA SOFIA Colloquium* [Invited Talk], Nov 2020.

“The Dos and Don’ts of Writing a Successful (Fellowship) Application,” *UCSD IDEA Center Postdoc Talk* [Invited Talk], Oct 2020.

“The Connection Between Ultracool Dwarf Planet Hosts and Surface Gravity,” *NASA Hubble Fellowship Program Symposium* [Talk], Sep 2020.

“3-D Kinematics in the ONC Core,” *Keck Science Meeting* [Poster], Sep 2020.

“Supporting BIPOC Scientists through NHFP-organized Mentorship and Outreach,” *NASA Hubble Fellowship Program Symposium* [Talk], Sep 2020.

“Multiplicity at the Bottom of the Main Sequence,” *San Diego State University Astronomy & Physics Colloquium* [Invited Talk], Nov 2019.

“Planetary Collisions around Low-mass Stars: Constraining the Timescale for Collisions and Testing the Origin of the *Kepler* Dichotomy,” *NASA Hubble Fellowship Program Symposium* [Talk], Oct 2019.

“Cooler than *Gaia*: Parallaxes of Ultracool Objects with *WISE*,” *UC San Diego Astrophysics Seminar* [Invited Talk], May 2018.

“Low-mass Stars with Extreme Mid-Infrared Excesses: Potential Signatures of Planetary Collisions,” *AAS 231 (Winter Meeting)* [Talk], 2018.

“Exoplanets and the Search for Life around Low-mass Stars,”
Mesa College STEM Lecture Series [Invited Talk], 2017.

“Cool Stars with Extreme Mid-Infrared Excesses: Potential Tracers of Planetary Collisions,”
AAS 228 (Summer Meeting) + Cool Stars 19 [Poster], 2016.

“The Motion Verified Red Stars (MoVeRS) Catalog and Low-Mass Field Stars with Warm Dust,”
AAS 227 (Winter Meeting) [Poster], 2016.

“The Occurrence of Warm Dust around Cool Stars,”
UC San Diego CASS Journal Club [Talk], 2015.

“*WISE* Infrared Excess Detections for SDSS M Dwarfs: Cool Field Stars with Evidence of Warm Circumstellar Material,”
AAS 224 (Summer Meeting) + Cool Stars 18 [Poster], 2014.

“SDSS M dwarfs with *WISE* Signatures of Infrared Excess: Evidence of Warm Circumstellar Material in Low-Mass Field Populations,”
AAS 223 (Winter Meeting) [Poster], 2014.

“GlideTester - A framework for distributed testing of network-facing services using Condor glideins on Grid resources,”
TeraGrid Conference [Poster], 2010.

“PyTracker: Automated Spectroscopic Target Acquisition using Cross-Correlation with Existing Astrometric Positions,”
University of California San Diego Undergraduate Research Conference [Talk], 2010.

“Automated Cross-Correlative Spectroscopic Analysis of the Optical Transient Sky via Images Acquired using the Palomar Transient Factory,”
California Institute of Technology Summer Seminar [Poster], 2009.

**PRESS
 COVERAGE**

“Some planets ripe for life may be doomed by billions of years of violent collisions”
Astronomy Magazine, Jul 2016.

**RESEARCH
 COLLABS**

Member of the Perkins INfrared Exosatellite Survey (PINES)
 Member of the LSST Stars, Milky Way & Local Volume Science Collaboration

**SERVICE AND
 OUTREACH**

<p>NHFP DEI Session - Presenter, NASA HUBBLE FELLOWSHIP PROGRAM SYMPOSIUM</p>	<p>Nov 2021</p>
<p>2021 Chancellor’s Award Review Committee - Reviewer, UC SAN DIEGO</p>	<p>Aug 2021</p>
<p>Coalition NSF Advocacy Day - Advocate, REMOTE MEETINGS</p>	<p>Jun 2021</p>
<p>UCSD Spring STEM Transfer Seminar 2021 - Panelist, “Traversing Postdocs and Industry Positions”, UC SAN DIEGO</p>	<p>May 2021</p>
<p>UCSD Career Center - Panelist, “PhD Career Summit: Applying to Postdoc Positions”, UC SAN DIEGO</p>	<p>Mar 2021</p>
<p>UCSD IDEA Center - Postdoctoral Scholarly Talks, “Developing a Successful Ford Fellowship Application”, UC SAN DIEGO</p>	<p>Oct 2020</p>

Summer Training Academy for Research Success (STARS)/ California-Arizona Minority Partnership for Astronomy Research and Education (CAMPARE), UC SAN DIEGO	2018, 2019, 2020
High Tech High Internship, UC SAN DIEGO	Jan 2020
Career Paths Session - Chair/Panelist, NASA HUBBLE FELLOWSHIP PROGRAM SYMPOSIUM	Oct 2019
Institute for Scientist & Engineer Educators (ISEE) Professional Development Program (PDP), UC SANTA CRUZ/UC SAN DIEGO	2018
InterTribal Youth/Young Native Scholars Summer Program, UC SAN DIEGO	Jul 2016
Cal-Bridge Workshop on Graduate School, UC SAN DIEGO	May 2016
STEM Fest, VISTA HIGH SCHOOL	Mar 2016
High School Science Olympiad Coach, UNIVERSITY HIGH SCHOOL	Oct 2015–Feb 2016
Chambliss Award Judge, AMERICAN ASTRONOMICAL MEETING 227	Jan 2016
Program on Student Success in Engineering (POSSE), UNIVERSITY OF CALIFORNIA SAN DIEGO/GOMPERS PREPARATORY ACADEMY	Sep 2015–Jun 2016
Upward Bound, BOSTON UNIVERSITY	2013–2015
Research in Science and Engineering (RISE), BOSTON UNIVERSITY	2013–2015
U-Design, BOSTON UNIVERSITY, DEPARTMENT OF ENGINEERING	Jul 2014
Academy of the Pacific Rim Astronomy Day, BOSTON UNIVERSITY	Nov 2012
Graduate Women in Science and Engineering (GWISE) - “How to Find a Fellowship” Panelist, BOSTON UNIVERSITY	Sep 2012
<i>Other:</i>	
• Co-organizer of the NASA Hubble Fellowship Program Anti-Racism Initiative – Lead for the Mentoring and Outreach Subgroup	2020–Present
• Reviewer for the NASA Future Investigators in NASA Earth and Space Science and Technology (FINESST)	2020, 2021
• Panelist for the <i>TESS</i> Cycle 4 review panel	2021
Referee: The Astrophysical Journal (ApJ)	2018–Present
The Astrophysical Journal Supplement (ApJS)	
Monthly Notices of the Royal Astronomical Society (MNRAS)	

MENTORSHIP

PHD STUDENTS	Lingfeng Wei, UC San Diego	2020–Present
	Kielan Wilcomb, UC San Diego	2019–Present
	Chih-Chun Hsu, UC San Diego	2018–Present
	Christian Aganze, UC San Diego	2018–Present
UNDERGRAD	Chelsea Adelman, Cal Poly Pomona (Cal-Bridge Scholar, now UCI grad)	2020
	Roberto Tejada Arevalo, CSULA (now Princeton grad)	2018–2020
	Dennis H. Calderon, CSUEB (now OSU grad)	2018–2019
	Russell Van Linge, UC San Diego	2018
	Jessica Birky, UC San Diego (now NSF & Univ. of Washington grad)	2016–2019
	Guillaume Shippee, UC Berkeley	2016

HIGH SCHOOL	Angeli Solis, Intern (now UCSD undergrad)	2020
	Victor Zhang, BU RISE (B.S. Princeton; now U. Chicago grad)	2015
	Katie Melbourne, BU RISE (B.S. Yale)	2014
	Isabella Trierweiler, BU RISE (B.S. Yale; now UCLA grad)	2013
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GRANTS & FUNDING	Infrared Gold: A Student-Centered Program to Extract, Analyze, and Disseminate 20 Years of IRTF/SpeX Point-Source Spectroscopy CoI, NASA ADAP (PI: Adam Burgasser), \$666,511	2022–2025
	Simulating Ultracool Dwarf Populations in LSST DP0 and in the Main LSST Survey CoI, LSST Kickstarter Grant (PI: Adam Burgasser), \$19,191	2022
	A Search for Distant Ultracool Dwarfs in Hubble Space Telescope Spectral Surveys PI, XSEDE Startup allocation PHY200052 (50,000.0 SUs), \$1,157.50	2020–2021
	Planetary Collisions around Low-Mass Stars: Constraining the Timescale for Collisions and Testing the Origin of the Kepler Dichotomy PI, NASA Sagan Postdoctoral Fellowship, \$346,835	2019–2022
	Spectroscopic Analysis of Ultracool Dwarfs CoI, SDSS FAST (PI: Adam Burgasser), \$60K	2016–2017
	Low-mass Field Stars with Infrared Excesses: Possible Signatures of Planetary Collisions CoI, NASA ADAP (PI: Andrew West), \$118K	2016–2017
	Keck I & II 10-meters	
TELESCOPE TIME AWARDED	PI: “Resolving Tertiary Components of Wide, Very Low-mass Binaries with AO” • 3 nights (NIRC2)	2020–2021
	Co-I “Galactic Archaeology with Ultracool Dwarfs: Kinematic Structure” Among L Dwarfs” • 2 nights (NIRSPEC)	2021–2022
	Co-I: “Searching for Our Coldest Young Neighbors with Backyard Worlds” • 10 nights (NIREs)	2018–2021
	Co-I “Testing Pre-Main Sequence Evolutionary Models in the First 10 Myr” • 2.5 nights (OSIRIS)	2020–2021
	Co-I “Completing the Kinematic Census of Local L and T Dwarfs” • 5.5 nights (NIRSPEC)	2019–2020
	Co-I: “Secondary Radial Velocities in Short-Period Star/Brown Dwarf Spectral Binaries” • 1 half-night (NIRSPEC)	2019–2020
	Co-I: “Dynamics of the Orion Nebula Cluster: Mass-Dependent Kinematics” • 6 nights (NIRSPAO)	2019–2020
	PI: “Characterizing Low-mass Binaries and Searching for Hierarchical Triples: NIR Spectra of Low-mass, Wide, Common Proper Motion Pairs” • 1 night (NIREs)	2019
	CHARA Array	
	PI: “Investigating Radius Inflation in the Lowest Mass Planet Hosts: CHARA Observations of Teegarden’s Star” • 4 nights (CLASSIC)	2020

	Gemini North & South 8-meters	
	Co-I: “The BASS-Ultracool Search for Isolated Giant Exoplanet Analogs”	2018
	• 27 hours (GNIRS Spectrograph)	
	Co-I: “Confirming a new L/T transition planetary-mass object in AB Doradus”	2018
	• Fast turnaround single object observation (GNIRS Spectrograph)	
	James Webb Space Telescope 6.5-meter	
	Co-I: “Direct Imaging Spectroscopy of Two Jovian Exoplanets: Characterization of the TYC 8998-760-1 Multi-Planetary System”	2021
	• 5.2 hours (NIRSpec and MIRI)	
	LDT 4.3-meter	
	PI: “Pre-main Sequence or Field Stars?: Searching for Traces of Youth in Low-mass Stars with Extreme Mid-infrared Excesses”	2016
	• 2 nights (DeVeny Optical Spectrograph)	
	CFHT 3.6-meter	
	Co-I: “Precision NIR RVs for WISE J1624-3212: A Nearby, Potentially Unresolved Low-mass Binary”	2021
	• 2.4 hours (SPIRou NIR Spectrograph)	
	IRTF 3.2-meter	
	PI: “Characterizing the Ultracool <i>TESS</i> Targets: Investigating the Role of Gravity in Planet Hosts”	2020–2022
	• 11 nights (SpeX NIR Spectrograph)	
	Co-I: “Searching for Hierarchical Triples in Wide, Common Proper Motion, Very Low-Mass Binaries”	2018–2020
	• 4.5 nights (SpeX NIR Spectrograph)	
	Co-I: “Training the Cannon: Calibrating APOGEE Observations of Ultracool Dwarfs”	2018–2020
	• 6 nights (iSHELL Spectrograph)	
	Co-I: “LaTE-MoVeRS: New Nearby Very Low-Mass Stars and Brown Dwarfs Verified by Proper Motion from SDSS+2MASS+ <i>WISE</i> ”	2017–2019
	• 4.5 nights (SpeX NIR Spectrograph + MORIS)	
	Shane 3-meter	
	PI: “AO Observations of Overluminous members of Wide, Low-mass Binaries: Searching for Hierarchical Triples”	2019–2021
	• 17 nights (ShARCS AO NIR Imager)	
	Co-I: “Optical Spectroscopy of LaTE-MoVeRS M and L Dwarfs”	2017–2021
	• 49 nights (Kast Optical Spectrograph)	
	SDSS 2.5-meter	
	Co-I: “APOGEE-2 Survey of the Lowest-mass Stars and Brown Dwarfs: Composition, Chemistry and Companions”	2017–2018
	• ~500 APOGEE fibers awarded for ancillary science call	
	APF 2.4-meter	
	Co-I: “Abundances of Directly Imaged Planet Host Stars”	2021
	• 10 hours (Levy Optical Spectrograph)	
	Co-I: “Radial Velocity Monitoring of WISE J1624-3212: A Potential Low-mass Binary Hiding at 18 pc”	2021
	• 10 hours (Levy Optical Spectrograph)	
ADDITIONAL OBSERVING EXPERIENCE	Keck I 10-meter	
	3 nights on the optical spectrometer (LRIS).	2009–2010
	Keck II 10-meter	
	4 half-nights on the high-res NIR spectrometer (NIRSPEC) with AO (NIRSPA0).	2018

Palomar Hale 200-inch
 1 night on the optical spectrograph (DBSP). 2009

CTIO SMARTS 0.9-meter
 27 nights on the optical imager. 2014–2016

PROFESSIONAL AFFILIATIONS

American Astronomical Society	2009–Present
American Physical Society	2008–Present
National Society of Hispanic Physicists	2008–Present
National Society of Black Physicists	2011–Present
Society for the Advancement of Chicanos and Native Americans in Science	2016–Present

OTHER WORK EXPERIENCE

Booz Allen Hamilton (BAH) , San Diego, California, USA	2019
Strategic Innovation Group - Lead Data Scientist	
Aeronautical Radio, Incorporated (ARINC) , San Diego, California, USA	2007–2011
Analyst/Network Engineer	

REFERENCES

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