

## Eric L. N. Jensen

Department of Physics and Astronomy  
Swarthmore College  
Swarthmore, PA 19081  
Office: 610-328-8249  
Fax: 610-328-7895

410 N. Swarthmore Avenue  
Swarthmore, PA 19081-1417  
ejensen1@swarthmore.edu  
<http://astro.swarthmore.edu/~jensen/>  
610-604-0792

### Education

Ph.D. in Astronomy, University of Wisconsin-Madison, August 1996; dissertation supervised by Robert Mathieu.

Master of Science in Astronomy, University of Wisconsin-Madison, August 1992.

Additional study of physics, astronomy, and mathematics, University of Minnesota, 1989 – 1990; Dean's list Fall 1989.

Bachelor of Arts in Physics, Carleton College, 1987. Graduated *magna cum laude* with distinction in Physics.

### Teaching and Research Experience

Professor of Astronomy, Swarthmore College, 2012 – present; Associate Professor 2004 – 2012; Assistant Professor 1998 – 2004. Physics & Astronomy Department Chair 2009 – 2014 (on leave academic year 2012 – 2013).

Instructor and Visiting Research Associate, Arizona State University, 1996 – 1998.

Teaching Assistant, University of Wisconsin-Madison, Sept. – Dec. 1990, Jan. – May 1996.

Research Assistant, UW-Madison, 1991 – 1996.

Instructor in physics, astronomy, and mathematics, Lake Forest Academy, Lake Forest, Illinois, 1987 – 1989.

### Grants

“Collaborative Research: Triangulating on the Ages of Stars: Using Open Clusters to Calibrate Stellar Chronometers from Myr to Gyr Ages,” \$36,666 from the National Science Foundation, August 2011–July 2016. (Phillip Cargile, Vanderbilt University, PI)

“Placing our Solar System in Context Through the Characterization of Long-Period Exoplanets,” unfunded co-investigator, National Science Foundation, August 2011–July 2014. (David Ciardi, Caltech, PI)

“Testing Pre-Main-Sequence Stellar Models and Calibrating Age Determinations for Young Stars,” \$33,693 from the National Science Foundation’s Research Opportunity Award program (with Keivan Stassun, Vanderbilt University), August 2008–July 2009.

“Binary Debris Disks: Follow-on Observations of Spitzer Discoveries,” \$5,000 from NASA’s Spitzer Space Telescope, July 2008–September 2010.

“A New Observatory for Undergraduate Training and Faculty Research at Swarthmore College,” \$310,109 from the National Science Foundation’s Program for Research and Education with Small Telescopes (PREST), August 2007–July 2011.

“The Angular Momentum Evolution of Young, Low Mass Stars: Probing Magnetic Star-Disk Coupling Through Modeling and Analysis of Circumstellar Disk Structure,” \$11,637 from NASA’s Spitzer Space Telescope, June 2005–June 2006.

“Searching for the Nearest Young Stars,” \$153,116 from the National Science Foundation, May 2003–May 2006.

“Constraining the T Tauri Star X-ray Emission Mechanism: High-Resolution Spectroscopy of the Young Star DoAr 21”, \$65,657 from NASA’s Chandra X-ray Observatory, May 2003–May 2005.

“Prospects for Life on Planets in Binary Star Systems,” \$180,000 from the National Science Foundation’s Life in Extreme Environments Program, Sept. 1997–Dec. 2001.

## **Service**

### *Swarthmore College:*

Faculty Coordinator, Environmental Studies, 2017–2020.

Middle States Self-Study Steering Committee, 2017–2018.

Director, Frank Aydelotte Foundation for the Advancement of the Liberal Arts, 2014–2017.

Frank Aydelotte Foundation for the Liberal Arts steering committee, 2013–2014.

Committee on Faculty Procedures (elected committee), 2013–2015.

Strategic Planning Council, 2010–2012.

Environmental Studies Committee, 2010–present.

Chair, Department of Physics and Astronomy, 2009–2012, 2013–2014 (on leave 2012–2013).

Dean of Students Search Committee, 2009–2010.

Chair, Division of Natural Sciences and Engineering, 2007–2008.

Council on Educational Policy (elected committee), 2005–2007.

Faculty observer, Board of Managers meetings, 2005–2007.

Electronic Privacy Committee, 2003–2004.

Intellectual Property Task Force (drafted a new IP policy), 2000–2003.

Swarthmore Foundation Committee, 1999–2000.

*Professional astronomical community:*

Grant or telescope time review panel member, NSF Stellar Astronomy, NASA Astrobiology Institute, NASA Origins of Solar Systems, NSF Program for Research and Education with Small Telescopes (PREST), Chandra X-ray Observatory, Hubble Space Telescope, Spitzer Space Telescope, Atacama Large Millimeter/Submillimeter Array (ALMA).

Proposal external referee, NASA Origins of Solar Systems, NSF Stellar Astronomy, CRDF Cooperative Grants program, NASA Space Grant Consortium, Canada-France-Hawaii Telescope.

Journal article referee for *Astronomical Journal*, *Astronomy & Astrophysics*, *Astrophysical Journal*, *Astrophysical Journal Letters*, *Monthly Notices of the Royal Astronomical Society*, *American Journal of Physics*, and *Nature*.

Textbook and book proposal reviewer for Cambridge Univ. Press and Princeton Univ. Press.

Member of external review team for academic programs at Smith, Oberlin, and Pomona Colleges.

## **Honors**

Eugene M. Lang Faculty Fellowship, Swarthmore College, 2008–2009.

James A. Michener Faculty Fellowship, Swarthmore College, 2001–2002.

Wisconsin Space Grant Consortium Graduate Fellow, 1993–1995.

Member of Sigma Xi, 1993; recipient of two Sigma Xi Grants-in-Aid of Research, 1992.

Member of Phi Beta Kappa, 1987.

National Merit Scholar, 1983.

## **Astronomical observing experience**

I have authored successful proposals for and been a guest observer on the following telescopes:

Atacama Large Millimeter Array (ALMA); Proposals accepted with grade of “highest priority” for Cycle 0 and Cycle 1 shared-risk observations;

James Clerk Maxwell Telescope, Mauna Kea, Hawaii;

Kitt Peak National Observatory Coudé Feed and 4 meter, Kitt Peak, Arizona;

Cerro Tololo Interamerican Observatory 1.5 meter and 4 meter, Chile;

Gemini South 8 meter, Chile;

Owens Valley Radio Observatory Millimeter Interferometer, Big Pine, California;

United Kingdom Infrared Telescope, Mauna Kea, Hawaii;

Very Large Array, Socorro, New Mexico.

Infrared Space Observatory (ISO);

Röntgen Satellite (ROSAT x-ray telescope);

Chandra X-ray Observatory;

Spitzer Space Telescope;

Suzaku X-ray Observatory.

## **Undergraduate research students supervised**

Swarthmore students: Beth Biller '00, Allyn Dullighan '01, Brendan Karch '02, Rabi Whitaker '03, Matt Miller '04, Cameron Higby-Naquin '05, Miranda Peters '05, Katharine Schlesinger '05, Victoria Swisher '06, Andy Skemer '06, Saurav Dhital '06, Blair Reaser '07, Jennifer Yee, '07, Emily Hager '10, Colin Schimmelfing '10, Rodrigo Luger '10, Josh Sokol '11, Jean Dahlquist '11, Andrew Koontharana '11, Sandy Liss '11, Jackson Goodman '13, Yuwen Wang '14, Imoleayo Abel '14, Sara Lentricchia '15, Catherine Martlin '15, Stefan Laos '17, Nicole Bañales '18, Emma Lewis '18, Natasha Nogueira '18. Advised undergraduate theses by Biller, Miller, Higby-Naquin, Schlesinger, Dhital, Skemer, and Gilbert.

Non-Swarthmore students, through the Keck Northeast Astronomy Consortium exchange: Arianne Donar, Wesleyan '01; Marty Mudd, Williams '04; Mary Hui, Wesleyan '05; Matthew Richardson, Fisk '08; Emma Lehman, Williams '10; Cailah DeRoo, WPI '11; Jacob Gilbert, Haverford '12; James (Marcus) Hughes, Williams '18.

## Publications, Eric L. N. Jensen

Undergraduate co-authors are denoted by asterisks in the lists below. All papers can be view in NASA's Astrophysical Data System at [this link](#), or at [orcid.org](#) under ORCID 0000-0002-4625-7333.

### Refereed papers

Czekala, I. et al. 2017. "The Architecture of the GW Ori Young Triple Star System and Its Disk: Dynamical Masses, Mutual Inclinations, and Recurrent Eclipses." Accepted by the *Astrophysical Journal*.

Lund, M. B., et al. 2017. "KELT-20b: A Giant Planet with a Period of  $P \sim 3.5$  days Transiting the  $V \sim 7.6$  Early A Star HD 185603." *Astronomical Journal* 154, 194.

Lubin, J. B., et al. 2017. "A Bright Short Period M-M Eclipsing Binary from the KELT Survey: Magnetic Activity and the Mass-Radius Relationship for M Dwarfs." *Astrophysical Journal* 844, 134.

Gaudi, B. S., et al. 2017. "A giant planet undergoing extreme-ultraviolet irradiation by its hot massive-star host." *Nature* 546, 514–518.

McLeod, K. K., et al. 2017. "KELT-18b: Puffy Planet, Hot Host, Probably Perturbed." *Astronomical Journal* 153, 263.

Pepper, J., et al. 2017. "KELT-11b: A Highly Inflated Sub-Saturn Exoplanet Transiting the  $V = 8$  Subgiant HD 93396." *Astronomical Journal* 153, 215.

Stevens, D. J., et al. 2017. "KELT-12b: A  $\sim 5$  day, Highly Inflated Hot Jupiter Transiting a Mildly Evolved Hot Star." *Astronomical Journal* 153, 178.

Oberst, T. E., et al. 2017. "KELT-16b: A Highly Irradiated, Ultra-short Period Hot Jupiter Nearing Tidal Disruption" *Astronomical Journal* 153, 97.

Zhou, G., et al. 2016. "KELT-17b: A Hot-Jupiter Transiting an A-star in a Misaligned Orbit Detected with Doppler Tomography," *Astronomical Journal* 152, 136.

Kraus, S., et al. 2016. "Planet Formation Imager (PFI): science vision and key requirements." SPIE 9907, 99071K.

Kostov, V. B., Orosz, J. A., Welsh, W. F., Doyle, L. R., Fabrycky, D. C., Haghighipour, N., Quarles, B., Short, D. R., Cochran, W. D., Endl, M., Ford, E. B., Gregorio, J., Hinse, T. C., Isaacson, H., Jenkins, J. M., Jensen, E. L. N., Kane, S., Kull, I., Latham, D. W., Lissauer, J. J., Marcy, G. W., Mazeh, T., Müller, T. W. A., Pepper, J., Quinn, S. N., Ragozzine, D., Shporer, A., Steffen, J. H., Torres, G., Windmiller, G., Borucki, W. J. 2016. "Kepler-1647b: The Largest and Longest-period Kepler Transiting Circumbinary Planet," *Astrophysical Journal*, 827, 86.

Kane, S. R., Thirumalachari, B., Henry, G.W., Hinkel, N. R., Jensen, E. L. N., Boyajian, T.S., Fischer, D.A., Howard, A. W., Isaacson, H. T., and Wright, J. T. 2016. "Stellar Activity and Exclusion of the Outer Planet in the HD 99492 System," *Astrophysical Journal Letters*, 820, L5.

- Rodriguez, J. E., Colón, K. D., Stassun, K. G., Wright, D., Cargile, P. A., Bayliss, D., Pepper, J., Collins, K. A., Kuhn, R. B., Lund, M. B., Siverd, R. J., Zhou, G., Gaudi, B. S., Tinney, C. G., Penev, K., Tan, T. G., Stockdale, C., Curtis, I. A., James, D., Udry, S., Segransan, D., Bieryla, A., Latham, D. W., Beatty, T. G., Eastman, J. D., Myers, G., Bartz, J., Bento, J., Jensen, E. L. N., Oberst, T. E., and Stevens, D. J. 2016. “KELT-14b and KELT-15b: An Independent Discovery of WASP-122b and a New Hot Jupiter,” *Astronomical Journal*, 151, 198 (arXiv:1509.08953).
- Czekala, I., Andrews, S. M., Torres, G., Jensen, E. L. N., Stassun, K. G., Wilner, D. J., and Latham, D. W. 2016. “A Disk-based Dynamical Constraint on the Mass of the Young Binary DQ Tau,” *Astrophysical Journal*, 818, 156.
- Eastman, J. D., Beatty, T. G., Siverd, R. J., Antognini, J. M. O., Penny, M. T., Gonzales, E. J., Crepp, J. R., Howard, A. W., Avril, R. L., Bieryla, A., Collins, K., Fulton, B. J., Ge, J., Gregorio, J., Ma, B., Mellon, S. N., Oberst, T. E., Wang, J., Gaudi, B. S., Pepper, J., Stassun, K. G., Buchhave, L. A., Jensen, E. L. N., Latham, D. W., Berlind, P., Calkins, M. L., Cargile, P. A., Colon, K. D., Dhital, S., Esquerdo, G. A., Johnson, J. A., Kielkopf, J. F., Manner, M., Mao, Q., McLeod, K. K., Penev, K., Stefanik, R. P., Street, R., Zambelli, R., DePoy, D. L., Gould, A., Marshall, J. L., Pogge, R. W., Trueblood, M., and Trueblood, P. 2016. “KELT-4Ab: An inflated Hot Jupiter transiting the bright ( $V \sim 10$ ) component of a hierarchical triple,” *Astronomical Journal* 151, 45 (arXiv:1510.00015).
- Kane, S. R., Barclay, T., Hartmann, M., Hatzes, A. P., Jensen, E. L. N., Ciardi, D. R., Huber, D., Wright, J. T., and Quintana, E. V. 2015. “On the Stellar Companion to the Exoplanet Hosting Star 30 Arietis B,” *Astrophysical Journal*, 815, 32.
- Kuhn, R. B., Rodriguez, J. E., Collins, K. A., Lund, M. B., Siverd, R. J., Colón, K. D., Pepper, J., Stassun, K. G., Cargile, P. A., James, D. J., Penev, K., Zhou, G., Bayliss, D., Tan, T. G., Curtis, I. A., Udry, S., Segransan, D., Mawet, D., Soutter, J., Hart, R., Carter, B., Gaudi, B. S., Myers, G., Beatty, T. G., Eastman, J. D., Reichart, D. E., Haislip, J. B., Kielkopf, J., Bieryla, A., Latham, D. W., Jensen, E. L. N., Oberst, T. E., and Stevens, D. J. 2016. “KELT-10b: The First Transiting Exoplanet from the KELT-South Survey – A Hot Sub-Jupiter Transiting a  $V = 10.7$  Early G-Star,” *Monthly Notices of the Royal Astronomical Society*, 459, 4281 (arXiv:1509.02323).
- Fulton, B. J., Collins, K. A., Gaudi, B. S., Stassun, K. G., Pepper, J., Beatty, T. G., Siverd, R. J., Penev, K., Howard, A. W., Baranec, C., Corfini, G., Eastman, J. D., Gregorio, J., Law, N. M., Lund, M. B., Oberst, T. E., Penny, M. T., Riddle, R., Rodriguez, J. E., Stevens, D. J., Zambelli, R., Ziegler, C., Bieryla, A., D’Ago, G., DePoy, D. L., Jensen, E. L. N., Kielkopf, J. F., Latham, D. W., Manner, M., Marshall, J., McLeod, K. K., Reed, P. A. 2015. “KELT-8b: A highly inflated transiting hot Jupiter and a new technique for extracting high-precision radial velocities from noisy spectra,” *Astrophysical Journal*, 18, 30.
- Czekala, I., Andrews, S. M., Jensen, E. L. N., Stassun, K. G., Torres, G., and Wilner, D. J. 2015. “A Disk-Based Dynamical Mass Estimate for the Young Binary AK Sco,” *Astrophysical Journal*, 805, 154.
- Bieryla, A., Collins, K., Beatty, T. G., Eastman, J., Siverd, R. J., Pepper, J., Gaudi, B. S., Stassun, K. G., Canas, C., Latham, D. W., Buchhave, L. A., Sanchis-Ojeda, R., Winn, J. N., Jensen, E. L. N., Kielkopf, J. F., McLeod, K. K., Gregorio, J., Colon, K. D., Street, R., Ross, R., Penny, M., Mellon, S. N., Oberst, T. E., Fulton, B. J., Wang, J., Berlind, P., Calkins, M. L., Esquerdo, G. A., DePoy, D. L., Gould, A., Marshall, J., Pogge, R., Trueblood, M., Trueblood, P. 2015. “KELT-7b: A Hot Jupiter Transiting a Bright  $V=8.54$  Rapidly Rotating F-Star,” *Astronomical Journal*, 150, 12.

- Jensen, E. L. N. and Akeson, R. L. 2014. "Misaligned Protoplanetary Disks in a Young Binary Star System," *Nature*, 511, 567.
- Seeliger, M., Dimitrov, D., Kjurkchieva, D., Mallonn, M., Fernandez, M., Kitzte, M., Casanova, V., Maciejewski, G., Ohlert, J. M., Schmidt, J. G., Pannicke, A., Puchalski, D., Göğüş, E., Güver, T., Bilir, S., Ak, T., Hohle, M. M., Schmidt, T. O. B., Errmann, R., Jensen, E., Cohen, D., Marschall, L., Saral, G., Bernt, I., Derman, E., Gałan, C., and Neuhäuser, R. 2014. "Transit Timing Analysis in the HAT-P-32 System," *Monthly Notices of the Royal Astronomical Society*, 441, 304.
- Akeson, R.L., and Jensen, E.L.N. 2014. "Circumstellar Disks Around Binary Stars in Taurus," *Astrophysical Journal*, 784, 62.
- Collins, K. A., Eastman, J. D., Beatty, T. G., Siverd, R. J., Gaudi, B. S., Pepper, J., Kielkopf, J. F., Johnson, J. A., Howard, A. W., Fischer, D. A., Manner, M., Bieryla, A., Latham, D. W., Fulton, B. J., Gregorio, J., Buchhave, L. A., Jensen, E. L. N., Stassun, K. G., Penev, K., Crepp, J. R., Hinkley, S., Street, R. A., Cargile, P., Mack, C. E., Oberst, T. E., Avril, R. L., Mellon, S. N., McLeod, K. K., Penny, M. T., Stefanik, R. P., Berlind, P., Calkins, M. L., Mao, Q., Richert, A. J. W., DePoy, D. L., Esquerdo, G. A., Gould, A., Marshall, J. L., Oelkers, R. J., Pogge, R. W., Trueblood, M., and Trueblood, P. 2014. "KELT-6b: A P~7.9 d Hot Saturn Transiting a Metal-Poor Star with a Long-Period Companion," *Astronomical Journal*, 147, 39
- Maciejewski, G., Niedzielski, A., Wolszczan, A., Nowak, G., Neuhäuser, R., Winn, J. N., Deka, B., Adamów, M., Górecka, M., Fernandez, M., Aceituno, F. J., Ohlert, J., Errmann, R., Seeliger, M., Dimitrov, D., Latham, D. W., Esquerdo, G. A., McKnight, L., Holman, M. J., Jensen, E. L. N., Kramm, U., Pribulla, T., Raetz, S., Schmidt, T. O. B., Ginski, Ch., Mottola, S., Hellmich, S., Adam, Ch., Gilbert, H., Mugrauer, M., Saral, G., Popov, V. Raetz, M. 2013, "Constraints on a second planet in the WASP-3 system," *Astronomical Journal*, 146, 147.
- Pepper, J., Siverd, R. J., Beatty, T. G., Gaudi, B. S., Stassun, K. G., Eastman, J. D., Collins, K., Latham, D. W., Bieryla, A., Buchhave, L. A., Jensen, E. L. N., Manner, M., Penev, K., Crepp, J. R., Cargile, P., Dhital, S., Calkins, M. L., Esquerdo, G. A., Berlind, P., Fulton, B. J., Street, R., Mao, Q., Richert, A., Gould, A., DePoy, D. L., Kielkopf, J. F., Marshall, J. L., Pogge, R., Stefanik, R. P., Trueblood, M., and Trueblood, P. 2012, "KELT-3b: A Hot Jupiter Transiting a V=9.8 Late-F Star," *Astrophysical Journal*, 773, 64.
- Siverd, R. J., Beatty, T. G., Pepper, J., Eastman, J. D., Collins, K., Bieryla, A., Latham, D. W., Buchhave, L. A., Jensen, E. L. N., Crepp, J. R., Street, R., Stassun, K. G., Gaudi, B. S., Berlind, P., Calkins, M. L., DePoy, D. L., Esquerdo, G. A., Fulton, B. J., Fűrész, G., Geary, J. C., Gould, A., Hebb, L., Kielkopf, J. F., Marshall, J. L., Pogge, R., Stanek, K. Z., Stefanik, R. P., Szentgyorgyi, A. H., Trueblood, M., Trueblood, P., Stutz, A. M., and van Saders, J. L. 2012, "KELT-1b: A Strongly Irradiated, Highly Inflated, Short Period, 27 Jupiter-mass Companion Transiting a Mid-F Star," *Astrophysical Journal*, 761, 123.
- Beatty, T. G., Pepper, J., Siverd, R. J., Eastman, J. D., Bieryla, A., Latham, D. W., Buchhave, L. A., Jensen, E. L. N., Manner, M., Stassun, K. G., Gaudi, B. S., Berlind, P., Calkins, M. L., Collins, K., DePoy, D. L., Esquerdo, G. A., Fulton, B. J., Fűrész, G., Geary, J. C., Gould, A., Hebb, L., Kielkopf, J. F., Marshall, J. L., Pogge, R., Stanek, K. Z., Stefanik, R. P., Street, R., Szentgyorgyi, A. H., Trueblood, M., Trueblood, P., and Stutz, A. M. 2012, "KELT-2Ab: A

Hot Jupiter Transiting the Bright ( $V = 8.77$ ) Primary Star of a Binary System,” *Astrophysical Journal Letters*, 756, L39.

Dragomir, D., Kane, S. R., Henry, G. W., Ciardi, D. R., Fischer, D. A., Howard, A. W., Jensen E. L. N., Laughlin, G., Mahadevan, S., Matthews, J. M., Pilyavsky, G., von Braun, K., Wang, S. X., Wright, J. T., 2012, “The HD 192263 System: Planetary Orbital Period and Stellar Variability Disentangled,” *Astrophysical Journal*, 754, 37.

Pilyavsky, G., Mahadevan, S., Kane, S. R., Howard, A. W., Ciardi, D. R., de Pree, C., Dragomir, D., Fischer, D., Henry, G. W., Jensen E. L. N., Laughlin, G., Marlowe, H., Rabus, M., von Braun, K., Wright, J. T., Wang, X. X., 2011, “Search for the Transit of HD 168443b: Improved Orbital Parameters and Photometry,” *Astrophysical Journal*, 743, 162.

Neuhäuser, R., Errman, R., Berndt, A., Maciejewski, G., Takahashi, H., Chen, W. P., Dimitrov, D. P., Pribulla, T., Nikogossian E. H., Jensen, E. L. N., Marschall, L., Wu, Z.-Y., Kellerer, A., Walter, F. M., Briceño, C., Chini, R., Fernandez, M., Raetz, St., Torres, G., Latham, D. W., Quinn, S. N., and 62 additional co-authors, including D. Cohen and several Swarthmore students, 2011, “The Young Exoplanet Transit Initiative (YETI),” *Astronomische Nachrichten*, 332, 547.

Kane, S., Howard, A., Pilyavsky, G., Mahadevan, S., Henry, G., von Braun, K., Ciardi, D., Dragomir, D., Fischer, D., Jensen, E.L.N., Laughlin, G., Ramirez, S., and Wright, J. 2011, “Improved Orbital Parameters and Transit Monitoring for HD 156846b,” *Astrophysical Journal*, 733, 28.

Bubar, E.J., Mamajek, E.E., Jensen, E.L.N., and Walter, F.M. 2011, “V474 Car: A Rare Halo RS CVn Binary in Retrograde Galactic Orbit,” *Astronomical Journal*, 141, 140.

\*Yee, J. C. and Jensen, E.L.N. 2010, “A Test of Pre–Main-Sequence Li Depletion Models,” *Astrophysical Journal*, 711, 303.

Jensen, E.L.N., Cohen, D. H., and Gagné, M. 2009, “No Transition Disk? Infrared Excess, PAH,  $H_2$ , and X-Rays from the Weak-Lined T Tauri Star DoAr 21,” *Astrophysical Journal*, 703, 252.

Cohen, D. H., \*Kuhn, M. A., Gagné, M., Jensen, E. L. N., and Miller, N. A. 2008, “*Chandra* spectroscopy of the hot star  $\beta$  Crucis and the discovery of a pre-main-sequence companion,” *Monthly Notices of the Royal Astronomical Society*, 386, 1855.

Patience, J., Akeson, R. L., and Jensen, E. L. N. 2008, “The Evolution of Circumstellar Disks in Ophiuchus Binaries,” *Astrophysical Journal*, 677, 616.

Jensen, E.L.N., \*Dhital, S., Stassun, K., Patience, J., Herbst, W., Walter, F., Simon, M., and Basri, G. 2007, “Periodic Accretion from a Circumbinary Disk in the Young Binary UZ Tau E,” *Astronomical Journal*, 134, 241.

Jensen, E.L.N., Mathieu, R.D., \*Donar, A. X., and \*Dullighan, A. 2004, “Testing Protoplanetary Disk Alignment in Young Binaries,” *Astrophysical Journal*, 600, 789.



- Jensen, E.L.N., and Akeson, R.L., 2003, "Protoplanetary Disk Mass Distribution in Young Binaries," *Astrophysical Journal*, 584, 875.
- Koerner, D.W., Jensen, E.L.N., \*Cruz, K., \*Guild, T., and \*Gultekin, K. 2000, "A Single Circumbinary Disk in the HD 98800 Quadruple System," *Astrophysical Journal Letters*, 533, L37.
- Jensen, E.L.N., Cohen, D.H., and Neuhäuser, R. 1998, "ROSAT and Hipparcos Observations of Isolated Pre-Main-Sequence Stars Near HD 98800," *Astronomical Journal*, 116, 414.
- Akeson, R.L., Koerner, D.W., and Jensen, E.L.N. 1998, "A Circumstellar Dust Disk Around T Tauri N: Sub-arcsecond Imaging at  $\lambda = 3$  mm," *Astrophysical Journal*, 505, 358.
- Jensen, E.L.N., and Mathieu, R.D. 1997, "Evidence for Cleared Regions in the Disks Around Pre-Main-Sequence Spectroscopic Binaries," *Astronomical Journal*, 114, 301.
- Mathieu, R. D., Stassun, K., Basri, G., Jensen, E.L.N., Johns-Krull, C.M., Valenti, J., and Hartmann, L.W. 1997, "The Classical T Tauri Spectroscopic Binary DQ Tau. I. Orbital Elements and Photometric Behavior," *Astronomical Journal*, 113, 1841.
- Jensen, E.L.N., Koerner, D.W., and Mathieu, R.D. 1996, "High-Resolution Imaging of Circumstellar Gas and Dust in UZ Tauri: Comparing Binary and Single-Star Disk Properties," *Astronomical Journal*, 111, 2431.
- Jensen, E.L.N., Mathieu, R.D., and Fuller, G.A. 1996, "The Connection Between Submillimeter Continuum Flux and Separation in Young Binaries: Evidence of Interaction Between Stars and Disks," *Astrophysical Journal*, 458, 312.
- Mathieu, R.D., Adams, F.C., Fuller, G.A., Jensen, E.L.N., Koerner, D.W., and Sargent, A.I. 1995, "Submillimeter Continuum Observations of the T Tauri Spectroscopic Binary GW Orionis," *Astronomical Journal*, 109, 2655.
- Jensen, E.L.N., Mathieu, R.D., and Fuller, G.A. 1994, "A Connection Between Submillimeter Continuum Flux and Separation in Young Binaries," *Astrophysical Journal Letters*, 429, L29.

### Open-source software

- Jensen, E.L.N. 2013. *Tapir*, a package of web-based software tools for planning astronomical observations. Astrophysics Source Code Library, record ascl:1306.007.  
<https://github.com/elnjensen/Tapir> and  
<http://asterisk.apod.com/viewtopic.php?f=35&t=31569&p=201417>.

### Review articles

- Mamajek, E. E., Barrado y Navascues, D., Randich, S., Jensen, E. L. N., Young, P. A., Miglio, A., and Barnes, S. A., 2008. "A Splinter Session on the Thorny Problem of Stellar Ages," in *14th Cambridge Workshop on Cool Stars, Stellar Systems and the Sun*, ed. G. van Belle (San Francisco: Astronomical Society of the Pacific).

- Jensen, E.L.N. 2001. “Can Post T Tauri Stars be Found? Yes!” in *Young Stars Near Earth*, eds. R. Jayawardhana & T. Greene (San Francisco: Astronomical Society of the Pacific), pp. 3–8.
- Jensen, E.L.N. 2001. “Disks in Young Binary Systems: Unresolved Millimeter-Wave Observations,” in *The Formation of Binary Stars*, proceedings of IAU Symposium 200, eds. H. Zinnecker & R. Mathieu (San Francisco: Astronomical Society of the Pacific), pp. 285–294.
- Jensen, E.L.N. 2001. “Disk Clearing in the Young Binary System AK Sco,” in *The Formation of Binary Stars*, proceedings of IAU Symposium 200, eds. H. Zinnecker & R. Mathieu (San Francisco: Astronomical Society of the Pacific), pp. 342–345.
- Mathieu, R.D., Ghez, A.M., Jensen, E.L.N., and Simon, M. 2000. “Young Binary Stars and Associated Disks,” in *Protostars and Planets IV*, eds. V. Mannings, A. Boss, and S. Russell (Tucson: Univ. of Arizona Press), pp. 703–730.

### Invited conference talks

- Invited review talk on disks in young binary systems, at *The disc migration issue: from protoplanets to supermassive black holes*, Kavli workshop, Institute for Astronomy, Cambridge University, England, May 2017
- “Transit Observations with the Peter van de Kamp Observatory,” at *Workshop on Young Planetary Systems*, Jena, Germany, November 2010.
- “The Search for Post T-Tauri Stars” at *Young Stars Near Earth*, NASA/Ames, March 2001.
- “Unresolved millimeter-wave observations of disks” at *Formation of Binary Stars*, Potsdam, Germany, April 2000.
- “Disks in Young Binary Systems” at *Planetary Formation in the Binary Environment*, Stony Brook, NY, June 1996.

### American Astronomical Society meeting presentations

- Gaudi, B. S., et al. 2017. “KELT-9b: A giant planet with the temperature of a red dwarf star transiting an unevolved A0 star.” AAS 230, 102.06.
- \*Laos, S., Akeson, R. L., & Jensen, E. L. N. 2017. “Protoplanetary disks in Taurus: Probing the role of multiplicity with ALMA observations.” AAS 229, 345.04.
- \*Nogueira, N., Jensen, E. L. N., & Akeson, R. L. 2017. “Constraining the orbits of young binary systems with ALMA.” AAS 229, 241.01.
- \*Martlin, C., Jensen, E. L. N., Shkolnik, E. 2014. “Measuring the Rotational Velocities of Young M Stars,” *BAAS*, 220, 441.13.
- Jensen, E. L. N., Akeson, R. L. 2014. “Misaligned Protoplanetary Disks in a Young Binary System: Sufficient Misalignment to Drive Kozai Oscillations of Planetary Orbits,” *BAAS*, 220, 350.32.

- \*Gilbert, J., Jensen, E. L. N., 2012. “Testing the Accuracy of Ground-Based Transit Timing Observations and Their Uncertainties,” *BAAS*, 216, 245.08.
- Jensen, E. L. N., \*Yee, J. C., 2010. “Can Larger M-star Radii Reconcile Li-depletion and HR Diagram Ages for Young Stars?”, *BAAS*, 215, 382.06.
- Riedel, A. R., Henry, T. J., White, R. J., Song, I., Jensen, E. L. N. 2010. “The CTIOPI Cradle: Young Stars with Parallaxes”, *BAAS*, 215, 429.22.
- \*Kuhn, M. A., Cohen, D. H., Jensen, E. L. N., Gagné, M. 2006. “Chandra Spectroscopy of the Hot Star Beta Cru and the Discovery of a Pre-Main Sequence Companion”, *BAAS*, 209, 158.03.
- LeBlanc, T. S., Stassun, K. G., Jensen, E. L. N. 2006. “Monte-Carlo SED Models Of Young Stars With Accretion Disks In Taurus-Auriga and Orion Region”, *BAAS*, 209, 76.08.
- \*Yee, J. C., Jensen, E. L. N., \*Reaser, B. E. 2006. “Lithium Depletion in the Beta Pictoris Moving Group”, *BAAS*, 209, 30.06. Honorable mention for best poster by an undergraduate.
- \*Skemer, A.J., Jensen, E. L. N. 2005. “Mass Limits of Circumstellar Disks from Spitzer Legacy Data”, *BAAS*, 207, 74.20.
- \*Dhital, S., Jensen, E. L. N., Patience, J., Akeson, R.L., Herbst, W. 2005. “Pulsed Accretion in the Young Binary UZ Tau E”, *BAAS*, 207, 74.20.
- Jensen, E. L. N., \*Schlesinger, K. J., \*Higby-Naquin, C. T. 2004. “Newly-discovered young stars in Carina and Vela”, *BAAS*, 205, 15.04.
- \*Swisher, V., Jensen, E. L. N., Cohen, D. H., Gagné, M. 2004. “High-resolution x-ray spectroscopy of the accreting weak-line T Tauri star DoAr 21”, *BAAS*, 205, 16.02.
- \*Miller, M. J., Stassun, K. G., Jensen, E.L.N. 2003. “Photospheric Spot Temperature Models of Young Stars in the Orion Nebula Cluster”, *BAAS*, 203, 05.11.
- \*Whitaker, R. S., Jensen, E.L.N. 2002. “Newly-Discovered Young, Nearby Stars”, *BAAS*, 201, 93.18.
- Jensen, E.L.N, \*Biller, B. A., Koerner, D. W., \*Whitaker, R. S., \*Bonaventura, N. R., \*Dullighan, A. 2001. “A Systematic Survey for Nearby Young Stars”, *BAAS*, 199, 04.16.
- Jensen, E.L.N. 2000. “An Introduction to Isolated Young Stars and the TW Hya Association,” invited talk for Jan. 2000 AAS special session on the TW Hya association, *BAAS*, 195, 32.01
- \*Donar, A., Jensen, E.L.N., Mathieu, R.D. 2000. “Protoplanetary Disks in Young Binaries: Testing Coplanarity,” *BAAS*, 195, 79.04 (based on Summer '99 work by Keck student Arianne Donar).
- Jensen, E.L.N. 1996. “Disks in Young Binary Systems: Evidence for Star-Disk Interactions and Implications for Star and Planet Formation,” *BAAS*, 27, 1446.

Jensen, E.L.N., Mathieu, R.D., Fuller, G.A. 1994. "A Connection Between Submillimeter Flux and Binary Separation II. The Scorpius-Ophiuchus Star-Forming Region," *BAAS*, 26, 933.

Jensen, E.L.N., Mathieu, R.D., Fuller, G.A. 1993. "A Connection Between Disk Mass and Binary Separation," *BAAS*, 25, 907.

### **Other presentations**

Research results presented at the following conferences not listed above:

*Resolving planet formation in the era of ALMA and extreme AO*, Santiago, Chile, May 2016.

*Cool Stars, Stellar Systems, and the Sun 18*, Flagstaff, AZ, June 2014.

Gordon Conference on *Origins of the Solar System*, Mt. Holyoke, MA, Summer 2007.

*Cool Stars, Stellar Systems, and the Sun 14*, Pasadena, CA, November 2006.

*A Decade of Extrasolar Planets Around Normal Stars*, Space Tel. Science Institute, May 2005

*Protostars and Planets IV*, Santa Barbara, CA, Summer 1998.

Gordon Conference on *Origins of the Solar System*, New Hampton, NH, Summer 1995.

NASA-CfA Star Formation Workshops, Summers 1993, 1994, and 1997.

*Dispersal of Protoplanetary Disks*, Santa Barbara, CA, Summer 1992.