

CURRICULUM VITAE
SUZAN EDWARDS

Personal

Address: Astronomy Dept, Clark Science Center, Smith College, Northampton, MA 01063

Email: sedwards@smith.edu

Phone: 413-585-3933

Home address: 22 Maple Ridge Road, Northampton, MA 01062

Education

Ph.D., 1980 University of Hawaii, Astronomy
The Enigma of the YY Orionis Stars, A.M. Boesgaard, Thesis Advisor
M.S., 1975 University of Hawaii, Astronomy
B.A., 1973 Dartmouth College, Physics
1969 to 1971 Wellesley College

Honors

Magna Cum Laude, Phi Beta Kappa, 1973, Dartmouth College
NSF Faculty Award for Women Scientists and Engineers, 1991-96
L. Clark Seelye Chaired Professor at Smith College, 2010
Five College Jackie Pritzen Award, 2019

Employment

July 2021, L. Clark Seelye Professor Emerita, Smith College
1992 to 2021 Full Professor, Smith College
1986 to 1992 Associate Professor, Smith College
1980 to 1986 Assistant Professor, Smith College

Memberships

American Astronomical Society
Astronomical Society of the Pacific
International Astronomical Union
Sigma Xi
Phi Beta Kappa

Research overview

My research centers on elucidating the evolution of young stellar objects and their forming planetary systems. Through the use of high resolution spectroscopy, I study connections between disk accretion and mass outflow. The inner 1 AU of protoplanetary disks is the environment where terrestrial planets are formed and where significant disk winds are launched. Interior to that, disk accretion onto a magnetically active star establishes the final mass and initial angular momentum of the forming star and accretion-driven winds/jets are launched. Even in the nearest star formation environments, these regions are unresolved and can only be probed with spectra. Understanding the structure of the inner disk, its interaction with the stellar magnetosphere and radiation field, is crucial to clarify the angular momentum evolution of these systems and the process by which the inner disk is cleared of gas and dust.

National Community Service

- 2017 James Webb Space Telescope Early Release Science Time Allocation Committee
- 2014-2017 NASA Mission Operations Working Group for IRTF, KECK
- 2014 Spitzer Space Telescope Time Allocation Committee
- 2013 NSF Scientific Panel Review
- 2011 NASA Sagan Fellowship Committee
- 2010 to 2013 NOAO Telescope Time Allocation, Galactic Panel Chair
- 2009 to 2010 National Academy of Science ASTRO2010 Decadal Survey (New Worlds, New Horizons), Science Frontiers Panel on Planetary Systems and Star Formation
- 2008 Spitzer Space Telescope Panel Chair and Time Allocation Committee, Cycle 5
- 2005 to 2008 Very Large Array Time Allocation Committee
- 2005 to 2008 NASA Keck Telescope Time Allocation Committee
- 2005 to 2007 Scientific Organizing Committee, IAU Symposium on Star-disk Interactions
- 2004 Hubble Space Telescope Panel Review
- 2000 Hubble Space Telescope Panel Review
- 1998 – 2001 National Academy of Science, Astronomy and Astrophysics in the New Millennium Decadal Survey, Education and Public Policy Panel
- 1997 to 2002 Member, Terrestrial Planet Finder Science Advisory Committee, NASA
- 1997 to 1999 Member, Education Board, American Astronomical Society
- 1997 Member, Scientific Organizing Committee, NGST Science Workshop
- 1995 to 1997 Member, Task Group on Space Astronomy and Astrophysics, National Academy of Sciences
- 1995 to 1996 Scientific Organizing Committee, IAU Symposium on Herbig-Haro Flows and the Birth of Low Mass Stars
- 1994 to 1997 Co-Chair, Education Policy Board, American Astronomical Society
- 1993 to 1994 Chair, Annenberg Prize Committee, American Astronomical Society
- 1992 to 1994 Chair, Education Committee, American Astronomical Society
- 1992 to 1994 Chair, Education Advisory Board, American Astronomical Society
- 1992 to 1995 Panelist, NASA Origins Program
- 1992 to 1993 Scientific Organizing Committee, Eighth Cambridge Workshop on Cool Stars, Stellar Systems and the Sun
- 1991 to 1997 Panelist, National Research Council, Space Sciences Panel
- 1991 to 1994 Councilor, American Astronomical Society
- 1991 to 1993 NOAO Bright Time Telescope Allocation Committee
- 1989 to 1990 National Academy of Science, Decade of Discovery in Astronomy and Astrophysics Decadal Survey, Optical Panel
- 1988 to 1989 Scientific Panel, NOAO 8m Proposal Committee
- 1986 to 1988 IPAC Proposal Review Panel
- 1986 to 1988 FCRAO Telescope Time Allocation Committee

ongoing: Reviewer for various NSF and NASA Proposal Review Panels, Astronomy & Astrophysics, Astrophysical Journal

Smith College Service

- co-Chair, Kahn Institute Project “Contested Cosmologies”
- co-Chair, Kahn Institute Project “Placing Space”
- Chair, Astronomy Department
- Chair, Five College Astronomy Department
- Chair, Five College Astronomy Senate
- Chair, Five College Fellows Committee
- Committee on Tenure and Promotion
- Policy Subcommittee on Tenure and Promotion
- Science Planning Committee
- Science Computing Committee
- Presidential Search Committee
- Chair, Advisory Committee on Faculty Appointments
- Board of Admissions

PhD Thesis Advisor: *William Fischer 2008, Georgina Beristain 2000*

PhD thesis committee: *Irena Stojimirovic 2007, James Muzerolle 2000, Michael Meyer 1996, Lynne Hillenbrand 1995, Diane Dutkevitch 1995, Alan Welty, 1991, Luis Salas-Casales 1990, Sylvie Cabrit (Ecole Normale Supérieure/IAP) 1988*

Undergraduate Honors Thesis Advisor *Alyssa Cassity 2020, Olena Komarova 2019, Kendall Sullivan 2017, Heather Kurtz 2016, Wanda Feng 2015, Jennifer Podell 2014, Elizabeth Jensen 2007, Adria Updike 2003, Jessica Bonjorni 2000, Cathy Andrusis 1992, Louma Ghandour 1989, Ingeborg Heyer 1985; undergraduate advisor to >100 Astronomy majors*

PUBLICATIONS in Refereed Articles and Invited Reviews, 7624 citations as of 2023

Refereed Articles

“The Role of Disk Winds in the Evolution and Dispersal of Protoplanetary Disks”

Pascucci, I., Cabrit, S., Edwards, S., Gorti, U., Gressel, O. and Suzuki, T.K., Protostars and Planets VII, ASP Conference Series, 2023, Vol. 534, Astronomical Society of the Pacific p.567

“A High-resolution Optical Survey of Upper Sco: Evidence for Coevolution of Accretion and Disk Winds”

Fang, Min, Pascucci, Ilaria, Edwards, Suzan, Gorti, Uma, Hillenbrand, Lynne A. and Carpenter, John M., 2023, Astrophysical Journal, V. 945, Issue 2, id.112, 40 pp.

“Twenty-five Years of Accretion onto the Classical T Tauri Star TW Hya”

Herczeg, G., and 41 more, 2023, Astrophysical Journal, Vol. 956, Issue 2, id. 102, 27pp.

“The Comprehensive Archive of Substellar and Planetary Accretion Rates”

Betti, S. K.; Follette, K. B.; Ward-Duong, K.; Peck, A. E.; Aoyama, Y.; Bary, J.; Dacus, B.; Edwards, S.; Marleau, G. -D.; Mohamed, K.; Palmo, J.; Plunkett, C.; Robinson, C.; Wang, H. 2023, *Astronomical Journal*, Vol. 166, Issue 6, id.262, 30pp.

“MagAO-X and HST High-contrast Imaging of the AS209 Disk at H α ”

Cugno, Gabriele; Zhou, Yifan; Thanathibodee, Thanawuth; Calissendorff, Per; Meyer, Michael R.; Edwards, Suzan and 19 more, 2022, *Astronomical Journal*, Vol. 166, Issue 4, id.162, 9pp.

“The ODYSSEUS Survey. Motivation and First Results: Accretion, Ejection, and Disk Irradiation of CVSO 109”

Espaillet, C, Herczeg, G. and 60 more, 2022, *Astronomical Journal*, Vol. 163, Issue 3, id. 114, 24pp.

“Evidence for an MHD Disk Wind via Optical Forbidden Line Spectroastrometry”

Whelan, E.T., Pascucci, I., Gorti, I., Edwards, S. Alexander, R., Sterzik, M., Melo, C., 2021 *Astrophysical Journal*, Vol. 913, Issue 1, id.43 14pp.

“The Evolution of Disk Winds from a Combined Study of Optical and Infrared Forbidden Lines”

Pascucci, I., Banzatti, A., Gorti, U., Fang, M., Pontippidan, K., Alexander, R., Ballabio, G., Edwards, S., + 12 others, 2020, *The Astrophysical Journal* 903, Issue 2, id.78, 19pp

“S and VV Corona Australis: Spectroscopic Variability in Two Young Binary Star Systems “

Sullivan, K., Prato, L., Edwards, S., Avilez, I., Schaefer, G., 2019 *Astrophysical Journal*, 884, Issue 1, id. 28, 11 pp.

“Observational constraints on dust disk sizes in tidally truncated protoplanetary disks in multiple systems in the Taurus region”

Manara, C. F.; Tazzari, M.; Long, F.; Herczeg, G. J.; Lodato, G.; Rota, A. A.; Cazzoletti, P.; van der Plas, G.; Pinilla, P.; Dipierro, G.; Edwards, S.; + 8; 2019, *Astronomy and Astrophysics*, 628A, 95M

“Compact Disks in a High Resolution ALMA Survey of Dust Structure in the Taurus Molecular Cloud” ,

Long, Feng; Herczeg, Greg; Harsono, Daniel; 2019, Pinilla, Paola; Tazzari, Marco; Manaro, Carlo; Pascucci, Ilaria; Cabrit, Sylvie; Nisini, Brunella; Johnstone, Doug; Edwards, Suzan; + 16, *Astrophysical Journal*, accepted

“Double-peaked [O I] Profile” A Likely Signature of the Gaseous Ring around HK 15D”

Fang, Min, Pascucci, Ilaria, Kim, J. Serena, Edwards, Suzan, 2019, *Astrophysical Journal Letters*, 879L, 10F

“The Newborn Planet Population Emerging from Ring-like structures in Discs”

Lodato, Giuseppe; Dipierro, Giovanni; Ragusa, Enrico; Long, Feng, Herczeg, Greg; + 15; 2019, *MNRAS*, 486, 453L

- “Kinematic Links and the Coevolution of MHD Winds, Jets, and Inner Disks from a High-resolution Optical [O I] Survey”*
Banzatti, Andrea, Pascucci, I., Edwards, S., Fang, M. Gorti, U., Flock M., 2019 Astrophysical Journal, 870, 76B
- “Gaps and Rings in an ALMA Survey of Disks in the Taurus Star-Forming Region”*
Long, Feng, Pinilla, P. Herczeg, G., Harsono, D., Dipierro, G., Pascucci, I. Edwards, S., + 19 others, 2018, Astrophysical Journal, 869, 17L
- “A New Look at T Tauri Star Forbidden lines: MHD Driven Winds from the Inner Disk”*
Fang, Min, Pascucci, I., Edwards, S., Gorti, U., Hartigan, P., Banzatti, A., Flock, M., 2018 Astrophysical Journal, 868, 28F
- “Tracing Slow Winds from T Tauri Stars via Low Velocity Forbidden Line Emission”*
Simon, M., Pascucci, I., Edwards, S., Feng, W., Gorti, U., Hollenbach, D., Rigliaco, E., Keane, J. 2016 Astrophysical Journal, 831, Issue 2, Article 169
- “Narrow Na and K Absorption Lines Toward T Tauri Stars Tracing the Atomic Envelope of Molecular Clouds”*
Pascucci, I., Edwards, S., Heyer, M., Rigliaco, E., Hillenbrand, L., Gorti, U., Hollenbach, D. 2015 Astrophysical Journal, 814, Issue 1, Article 14
- “Probing Stellar Accretion with Mid Infrared Hydrogen Lines”*
Rigliaco, E., Pascucci, I., Duchene, G. Edwards, S. Ardila, D., Grady, C., Mendigutia, I., and 8 additional co-authors, 2015 Astrophysical Journal, 801, 31
- “Direct Measurement of Interstellar Extinction toward Young Stars Using Atomic Hydrogen Ly α Absorption”*
McJunkin, M., France, K., Schneider, P.C., Herczeg, G., Brown, A., Hillenbrand, L. Schindhelm, E., Edwards, S. 2014 Astrophysical Journal 780,150
- “Interpreting Near Infrared Hydrogen Line Ratios in T Tauri Stars”*
Edwards, S., Kwan, J., Fischer, W., Hillenbrand, L., Finn, K., Fedorenko, K., and Feng, W. 2013 Astrophysical Journal, 778, 148
- “Understanding the Origin of the [O I] Low-velocity Component from T Tauri Stars”*
Rigliaco, E., Pascucci, I., Gorti, U., Edwards, S., and Hollenbach, D. 2013 Astrophysical Journal, 772, 60
- “Hot Gas Lines in T Tauri Stars”*
Ardila, D., Herczeg, G., Gregory, S., Ingleby, L., France, K., Brown, A., Edwards, S. and 16 additional co-authors
2013 Astrophysical Journal Supplement, 207, 1

“Accretion Rates for T Tauri Stars Using Nearly Simultaneous Ultraviolet and Optical Spectra”

Ingleby, Laura, Calvet, Nuria, Herczeg, Gregory, Blaty, Alex, Walter, Frederick, Ardila, David, Alexander, Richard, Edwards, Suzan, and 4 co-authors
2013 *Astrophysical Journal*, 767, 112

“Near-Ultraviolet Excess in Slowly Accreting T Tauri Stars: Limits Imposed by Chromospheric Emission”

Ingleby, L., Calvet, N., Bergin, E., Herczeg, G., Brown, A., Alexander, R., Edwards, Suzan and 16 additional co-authors
2011, *Astrophysical Journal*, 743, 1051

“The Photoevaporative Wind from the Disk of TW Hya”

Pascucci, I., Sterzik, M., Alexander, R. D., Alencar, S. H. P., Gorti, U., Hollenbach, D., Owen, J., Ercolano, B., Edwards, S.
2011, *Astrophysical Journal*, 736, 13

“Characterizing the IYJ Excess Continuum Emission in T Tauri Stars”

Fischer, W., Edwards, S., Hillenbrand, L. and Kwan, J.
2011, *Astrophysical Journal*, 730, 73

“Spectral Standards in the Y Band”

Sharon, C., Hillenbrand, L., Fischer, W. and Edwards, S.
2010, *Astronomical Journal*, 139, 646

“Redshifted Absorption at He I 10830 as a Probe of the Accretion Geometry of T Tauri Stars”

Fischer, W., Kwan, J., Edwards, S. and Hillenbrand, L.
2008; *Astrophysical Journal*, 687, 1117

“Modeling T Tauri Winds from Helium 10830 Profiles”

Kwan, J., Edwards, S. and Fischer, W.
2007; *Astrophysical Journal*, 567, 897

“Probing T Tauri Accretion and Outflow with 1 Micron Spectroscopy”

Edwards, S., Fischer, W., Hillenbrand, L. and Kwan, J.
2006; *Astrophysical Journal* 646, 319

“Going Slitless: Images of Forbidden Line Emission Regions of Classical T Tauri Stars Observed with the Hubble Space Telescope”

Hartigan, P., Edwards, S. and Pierson, R.
2004; *Astrophysical Journal* 609, 276

“Helium I 10830 as a Probe of Winds in Accreting Young Stars”

Edwards, S., Fischer, W., Kwan, J., Hillenbrand, L. and Dupree A.K.
2003; *Astrophysical Journal Letters*, 599, L41

"Observations of the Star-Disk Interface: a Search for Wind Origins"

Edwards, S.

2003; *Astrophysics and Space Science*, v. 287, Issue 1, pp. 47-57

"Observations of the Star-Disk Interface: a Search for Wind Origins"

Edwards, S.

2003, in *Jets in Young Stellar Objects: Theory and Observations* ed. A.J.L. Fernandez, P.J.V. Garcia, J.J.G. Lima (Kluwer), p. 47

"Helium Emission from Classical T Tauri Stars: Dual Origin in Magnetospheric Infall and Hot Wind"

Beristain, G., Edwards, S. and Kwan, J.

2001, *Astrophysical Journal*, 551, 1037.

"Near--Infrared Classification Spectroscopy: J Band Spectra of Fundamental MK Standards"

Wallace, L., Meyer, M., Edwards, S. and Hinkle, K.

2000, *The Astrophysical Journal*, 535, 325.

"Spectroscopic Probes of the Inner Disk and the Star-Disk Interface"

Najita, J., Edwards, S., Basri, G., and Carr, J.

2000, *Protostars and Planets IV*, ed. V. Mannings, A. P. Boss and S. S. Russell (Tucson: University of Arizona Press), p. 457.

"Near--Infrared Classification Spectroscopy: H band Spectra of Fundamental MK Standards"

Meyer, M.R., Edwards, S., Hinkle, K., and Strom, S.E.

1998, *Astrophysical Journal*, 508, 397.

"Permitted Iron Emission Lines in the Classical T Tauri Star DR Tauri"

Beristain, G., Edwards, S. and Kwan, J.

1998, *Astrophysical Journal*, 499, 828.

"Disk Accretion and Mass Loss From Young Stars"

Hartigan, P., Edwards, S. and Ghandour, L.

1995, *Astrophysical Journal*, 452, 736.

"Spectroscopic Evidence for Magnetospheric Accretion in Classical T Tauri Stars"

Edwards, S., Hartigan, P., Ghandour, L. and Andrulis, C.

1994, *The Astronomical Journal*, 104, 1056.

"Angular Momentum Regulation in Low Mass Young Stars Surrounded by Accretion Disks"

Edwards, S., Strom, S., Hartigan, P., Strom, K., Hillenbrand, L., Herbst, W., Attridge, J., Merrill, M., Probst, R., and Gatley, I.

1993, *The Astronomical Journal*, 106, 372.

"Energetic Mass Outflows From Young Stars"

Edwards, S., Ray, T., and Mundt, R.

1993, *Protostars and Planets, III*, editors E. Levy and J. Lunine, (University of Arizona Press, Tucson), pp.567-602.

“Evolutionary Timescales for Circumstellar Disks Associated with Intermediate Mass and Solar Type Stars”

Strom, S.E., Edwards, S. and Skrutskie, M.

1993, *Protostars and Planets, III*, editors E. Levy and J. Lunine, (University of Arizona Press, Tucson), pp.837-866.

“Winds and Outflow Phenomena in Low Mass Pre-Main Sequence Stars”
Edwards, S.

1992, *The Astronomy and Astrophysics Encyclopedia*, ed. S. Maran (Van Nostrand Reinhold), pp. 767-770.

“A Sensitive 10 Micron Search for Emission Arising from Circumstellar Dust Associated with Solar-Type Pre-Main Sequence Stars”

Skrutskie, M., Dutkevitch, D., Strom, S., Edwards, S., and Strom K.M.

1990, *The Astronomical Journal*, 99, 1187.

“Forbidden Line Emission and IR Excesses in T Tauri Stars: Evidence for Accretion-Driven Mass Loss?”

Cabrit, S., Edwards, S., Strom, S., and Strom, K.M.

1990, *The Astrophysical Journal*, 354,687.

“Circumstellar Material Associated with Solar-Type Pre-Main Sequence Stars: A Possible Constraint on the Timescale for Planet Building”

Strom, K.M., Strom S.E., Edwards, S., Cabrit, S., Skrutskie, M.

1989, *Astronomical Journal*, 97,1451.

“Pre-Main Sequence Disk Accretion in Z Canis Majoris”

Hartmann, L., Kenyon, S.J., Hewitt, R., Edwards, S., Strom K.M., Strom S.E., and Stauffer, J.,

1989, *Astrophysical Journal*, 338,1001.

“Forbidden Line and H Alpha Profiles in T Tauri Star Spectra: A Probe of Anisotropic Mass Outflows and Circumstellar Disks”

Edwards, S., Cabrit, S. Strom, S.E., Heyer, I. and Strom, K.M.

1987, *Astrophysical Journal*, 321,473.

“Extended Far Infrared Emission Associated with Mass Outflows From Young Stars, L1551”

Edwards, S., Strom, S.E., Snell, R.L., Jarrett, T., Strom, K.M.

1986, *Astrophysical Journal*, 307, L65.

“Brackett Line Profiles of Young Stellar Objects”

Persson, S.E., Geballe, T.R., McGregor, P.J., Edwards, S., Lonsdale, C.J.,

1984, *Astrophysical Journal*, 286,289.

- "A Survey of High Velocity Molecular Gas in the Vicinity of Herbig-Haro Objects, II."*
Edwards S. and Snell, R.L.,
1984, Astrophysical Journal, 281, 237.
- "A Survey of High Velocity Molecular Gas in the Vicinity of Herbig-Haro Objects, I."*
Edwards S. and Snell, R.L.,
1983, Astrophysical Journal, 270,605.
- "A Search For High Velocity Molecular Gas Around T Tauri Stars"*
Edwards S. and Snell R.L.,
1982, Astrophysical Journal, 261,151.
- "Wave Driven Winds From Cool Stars. II. Models for T Tauri Stars"*
Hartmann L., Edwards S. and Avrett E.
1982, Astrophysical Journal, 261, 279.
- "Observations of High Velocity Molecular Gas Near Herbig-Haro Objects: HH 24-27 and HH 1-2"*
Snell R.L. and Edwards S.
1982, Astrophysical Journal, 259, 668.
- "The Origin of Stellar Angular Momentum"*
Wolff S.C., Edwards S. and Preston G.P.
1982, Astrophysical Journal, 252, 322.
- "Star Formation and Chemical Abundances in Clumpy Irregular Galaxies"*
Boesgaard A.M., Edwards S. and Heidmann J.
1982, Astrophysical Journal, 252, 487.
- "High Velocity Molecular Gas Near Herbig Haro Objects 7-11"*
Snell R.L. and Edwards S.
1981, Astrophysical Journal 251,103.
- "The Enigma of the YY Orionis Stars"*
Edwards S.
1980, PhD. Thesis, University of Hawaii
- "Line Profiles in the YY Orionis Star S CrA"*
Edwards S.
1979, Publications of the Astronomical Society of the Pacific, 91,329.
- "Beryllium and Post Main Sequence Evolution"*
Boesgaard A.M. and Chesley S. Edwards
1976, Astrophysical Journal, 210, 475.
- "Spectroscopy of R Monocerotis"*

Stockton A., Chesley D.M. and Chesley S. Edwards
1975, *Astrophysical Journal* 199, 406.

"Helium Lines in the Spectrum of Sco X-1"
Chesley S. Edwards
1975, *Astrophysical Journal* 196, L103.

"Hydrogen Lines in the Spectrum of Sco X-1"
Mook D., Edwards S. and Hiltner W.A.
1972, *Astrophysical Journal*, 177, L63.

Invited Reviews

"Forbidden Lines and Disk Winds"
Edwards, S.
2018 Take a Closer Look, ESO-HQ, Garching b. München, Germany

"Winds and Accretion in Young Stars"
Edwards, S.
2009 in *Cool Stars, Stellar Systems and the Sun*, 15th Cambridge Workshop, AIP Conference Series, Volume 1094, pp. 29-38

"Spectroscopic Diagnostics of T Tauri Inner Winds"
Edwards, S.
2007, in *Star-Disk Interaction in Young Stars*, Proceedings of the International Astronomical Union, Volume 243, ed. J. Bouvier and I. Appenzeller (Cambridge University Press) p. 171-182

"Stellar Jets: Clues to the Process of Star and Planet Formation"
Edwards, S.
2007, in *Jets from Young Stars II, Clues to High Angular Resolution Observations*, Lecture Notes in Physics, ed. E. Whelan (Springer-Verlag) pp. 3-13

"Magnetospherically Mediated Accretion in Classical T Tauri Stars"
Edwards, S.
1997, in *IAU Symposium 182 on Herbig-Haro Flows and the Birth of Low Mass Stars*, ed. B. Reipurth & C. Bertout (Kluwer), pp. 433-440.

"The Birth of Stars and the Origin of Planetary Systems"
Edwards, S.
1996, in *Professorial Passions, Inaugural Lecture Series for Ruth Simmons*, editor P. Rose

"Observational Evidence for the Importance of Magnetospheres in the Evolution of T Tauri Accretion Disk Systems"
Edwards, S.

1995, in Proceedings of the Circumstellar Disks, Outflows, and Star Formation Conference, Revista Mexicana de Astronomia y Astrofisica Serie de Conferencias, editors Susana Lizano and Jose M. Torrelles, 1, 309.

"The Role of Accretion Disks in Establishing the Initial Angular Momentum of Low Mass Stars"

Edwards, S.

1994, in Symposium on Stars, Gas and Dust in the Galaxy to Honor E.E. Mendoza, Revista Mexicana Astronomia y Astrofisica, 29, 35.

"Evolutionary Timescales for Circumstellar Disks Associated with Solar Type Pre-Main Sequence Stars"

Strom, S.E., Edwards, S., and Skrutskie, M.

1990, Proceedings of the Sixth Cambridge Workshop on Cool Stars, Stellar Systems and the Sun, editor G. Wallerstein (Springer Verlag).

"Forbidden Lines in T Tauri Star Spectra: Evidence for Spatially Unresolved Jets"

Edwards, S., Ghandour, L.O., Cabrit, S., Strom, S.E.

1989, ESO Workshop on Low Mass Star Formation and Pre-Main Sequence Objects, ed. Bo Reipurth (Garching, Germany), p.385.

"Constraints on the Properties and Environments of Primitive Solar Nebulae from the Astrophysical Record Provided by Young Stellar Objects"

Strom, S.E., Edwards, S., Strom, K.M.

1988, Space Telescope Science Institute Workshop: The Formation and Evolution of Stars and Planetary Systems, ed. H. Weaver, L. Danley (Cambridge University Press) p.91.

"Energetic Winds From Low Mass Young Stellar Objects"

Edwards, S. and Strom, S.E.

1987, Proceedings of the Fifth Cambridge Workshop on Cool Stars, Stellar Systems and the Sun ed. J.L Linsky and R. Stencel, (Springer-Verlag), p.443.

"Energetic Winds and Circumstellar Disks Associated with Low Mass Young Stellar Objects"

Strom, S.E., Strom, K.M. and Edwards, S.

1988, NATO Advanced Study Institute: Galactic and Extra-Galactic Star Formation ed. R. Pudritz and M. Fich (Dordrecht:Reidel, Holland).

"Anisotropic T Tauri Winds"

Edwards, S., Strom, S.E., Heyer, I. and Strom, K.M.

1985, Fourth Cambridge Workshop on Cool Stars, Stellar Systems and the Sun, Springer-Verlag, Editors, M. Zeilik and D. Gibson, p. 436.

"Recent Observations of T Tauri Stars"

Edwards S. and Strom S.E.

1984, Third Cambridge Workshop on Cool Stars, Stellar Systems and the Sun, ed. S.Baliunas and L. Hartmann (Springer-Verlag). p. 1

"The Birth of a Star"

Edwards S.

1982, Dudley Observatory Reports, Vol.16, p. 11.

"Alfven Wave-Driven Winds As a Source of Mass Loss From T Tauri Stars"

Edwards S., Hartmann L. and Avrett E.

1981, Second Cambridge Workshop on Cool Stars, Stellar Systems and the Sun, S.A.O. Special Report No. 392, Volume II, p. 191.

"High Velocity Molecular Gas Near T Tauri Stars"

Edwards S. and Snell R.L.

1981, Regions of Recent Star Formation, Astrophysics and Space Science Library V93, p141.

"High Velocity Gas in Molecular Clouds"

Snell R.L. and Edwards S.

1981, Regions of Recent Star Formation, Astrophysics and Space Science Library V93, p133.

INVITED REVIEW TALKS AT ASTRONOMICAL MEETINGS AND SYMPOSIA

15th Cambridge Workshop on Cool Stars, Stellar Systems and the Sun, entitled "*Winds and Accretion in Young Stars*"; St Andrews University, Scotland, July 21, 2008

Origins of Solar Systems Gordon Conference, entitled "*Protoplanetary Disks: Evolution and Structure*"; South Hadley, MA July 10, 2007

European School on Jets From Young Stars and High Angular Resolution Observations, entitled "*Observing and Interpreting Stellar Jets as Clues to the Process of Star and Planet Formation*"; in Elba, Italy, 4-8 September 2006

IAU Symposium 243 on Star-disk interaction in Young Stars, entitled "*Signatures of the Inner Wind*", in Grenoble, France, 21-25 May, 2007

European Astronomical Society's JENAM 2002; entitled: "*Observations of the Star Disk Interface: A Search for Wind Origins*"; in Porto, Portugal September 2-7, 2002

Protostars and Planets IV Conference, entitled "*Spectroscopic Probes of the Inner Disk and Star Disk Interface*"; Santa Barbara, CA, July, 1998

International Astronomical Union Symposium on Herbig Haro Objects and the Birth of Low Mass Stars, entitled "*Magnetospherically Mediated Accretion in Classical T Tauri Stars*", Chamonix, France, January 1997

Conference on Circumstellar Disks, Outflows, and Star Formation, entitled "*Observational Evidence for the Importance of Magnetospheres in the Evolution of T Tauri Accretion Disk Systems*", Cozumel, Mexico; November 1995

Plenary Session at a meeting of the **Astronomical Society of the Pacific**, entitled "*The Education Initiative of the American Astronomical Society*", College Park, MD; June 1995

Plenary Session at a meeting of the **American Astronomical Society**, entitled "*On the Origin of Stellar Angular Momentum*", Tucson, AZ; January 1995

Symposium on Stars, Gas, and Dust in the Galaxy, entitled "*The Role of Accretion Disks in Establishing the Initial Angular Momentum of Low Mass Stars*"; Mexico City, Mexico; June 1994

Gordon Conference on Star and Planet Formation, entitled "*Outflows From Low Mass Young Stars*" New Hampshire, July 1992

NASA Workshop on Star Formation, entitled "*Accretion Activity in T Tauri Stars*", Berkeley, CA, August 1992

NASA Workshop on Star Formation, entitled "*Mass Infall in Classical T Tauri Stars*", Santa Cruz, CA, June 1991

Protostars and Planets III Conference, entitled "*Energetic Mass Outflows from Young Stars*", Tucson, AZ, March 1990

NASA Workshop on Star Formation, entitled "*Energetic Winds from Young Stars*", Santa Cruz, CA, August 1989

Workshop on Low Mass Star Formation and Pre-Main Sequence Objects, entitled "*Forbidden Lines in T Tauri Star Spectra: Evidence for Spatially Unresolved Jets*", Garching, Germany; July 1989

Fifth Cambridge Workshop on Cool Stars, Stellar Systems and the Sun, entitled "*Energetic Winds from Low Mass Young Stellar Objects*", Boulder, CO; July 1987

Fourth Cambridge Workshop on Cool Stars, Stellar Systems and the Sun, entitled "*Anisotropic T Tauri Winds*", Santa Fe, New Mexico, November, 1985

Third Cambridge Workshop on Cool Stars, Stellar Systems and the Sun, entitled "*Recent Observations of T Tauri Stars*", Cambridge, MA.; November 1984

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