

SHORT VITAE SUZAN EDWARDS

Personal

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

Email: sedwards@smith.edu

Education

Ph.D., 1980 University of Hawaii, Astronomy

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

Employment

1992 to now Full Professor, Smith College

1986 to 1992 Associate Professor, Smith College

1980 to 1986 Assistant Professor, Smith College

Research overview

My research centers on elucidating the evolution of young stellar objects through the use of high resolution spectroscopy, especially the relation between disk accretion and mass outflow. The inner 1 AU of protoplanetary disks is the environment where terrestrial planets are formed, where disk accretion onto a magnetically active star establishes the final mass and initial angular momentum of the forming star, and accretion-driven winds/jets originate. 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 and its interaction with the stellar magnetosphere and radiation field is crucial to clarify the angular momentum evolution of these systems (how accreting stars are spun down, where winds/jets are launched) and the process by which the inner disk is cleared of gas and dust.

National Community Service from 2000-2015

- 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

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
- 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:

Wanda Feng 2015, Jennifer Podel 2014, Elizabeth Jensen 2007, Adria Updike 2003, Jessica Bonjorni 2000, Cathy Andrulis 1992, Louma Ghandour 1989, Ingeborg Heyer 1985; undergraduate advisor to >50 Astronomy majors

70 PUBLICATIONS in Refereed Articles and Invited Reviews
5348 Citations as of Dec 2014

Recent Grants: *NASA Origins, HST*