Rose A. Finn

(a) Professional Preparation

University of Virginia	Charlottesville, VA	Astronomy-Physics	B.A. 1992
Dartmouth College	Hanover, NH	Physics	M.S. 1994
University of Arizona	Tucson, AZ	Astronomy	Ph.D. 2003
University of Massachusetts	Amherst, MA	Astronomy	2003-2005

(b) Appointments

Siena College	Professor of Physics	2016-
Siena College	Associate Professor of Physics	2011-2016
Siena College	Assistant Professor of Physics	2005-2011
University of Massachusetts	NSF Astronomy & Astrophysics Postdoctoral Fellow	2003-2005
Albany Academy for Girls	Science Teacher	1994-1997

(c) Publications

(ii) Publications most closely related

1. Odekon, M. C. and Koopmann, R. A. and Haynes, M. P. and **Finn, R. A.** and McGowan, C. and Micula, A. and Reed, L. and Giovanelli, R. and Hallenbeck, G., "The HI Content of Galaxies in Groups and Clusters as Measured by ALFALFA", 2016, *Astrophysical Journal*, 824, 110
2. Jablonka, P. and Combes, F. and Rines, K. and **Finn, R.** and Welch, T., "Cold gas in the inner regions of intermediate redshift clusters", 2013, *Astronomy & Astrophysics*, 557, 103
3. **Finn, R. A.** and Desai, V. and Rudnick, G. and Poggianti, B. and Bell, E. F. and Hinz, J. and Jablonka, P. and Milvang-Jensen, B. and Moustakas, J. and Rines, K. and Zaritsky, D. "Dust-Obscured Star-Formation in Intermediate Redshift Galaxy Clusters", 2010, *Astrophysical Journal*, 720, 87
4. **Finn, R. A.**, Balogh, M., Zaritsky, D., Miller, C. J., Nichol, R. C., "Mass and Redshift Dependence of Star Formation in Relaxed Galaxy Clusters", 2008, *Astrophysical Journal*, 679, 279
5. **Finn, R. A.**, Zaritsky, D., McCarthy, D.W., Poggianti, B., Rudnick, G., Halliday, C., Milvang-Jensen, B., Pello, R., & Simard, L., "Hα-Derived Star-Formation Rates for three $z = 0.75$ EDisCS Galaxy Clusters", 2005, *Astrophysical Journal*, 630, 206

(ii) Other Significant Publications

1. Ly, C. and Lee, J. C. and Dale, D. A., and Salim, S. and Momcheva, I. and Staudaher, S. and Moore, C. and **Finn, R. A.** "The Hα Luminosity Function and Star Formation Rate Volumne Density at $z \simeq 0.8$ From the NEWFIRM Hα Survey", 2011, *Astrophysical Journal*, 726, 109
2. Poggianti, B. M. and De Lucia, G. and Varela, J. and Aragon-Salamanca, A. and **Finn, R.** and Desai, V. and von der Linden, A. and White, S. D. M., "The evolution of the density of galaxy clusters and groups: denser environments at higher redshifts", 2010, MNRAS, 405, 995
3. Vulcani, B. and Poggianti, B. M. and **Finn, R. A.** and Rudnick, G. and Desai, V. and Bamford, S., "Comparing the Relation Between Star Formation and Galaxy Mass in Different Environments", 2010, *Astrophysical Journal Letters*, 710, L1
4. Poggianti, B. M. and Desai, V. and **Finn, R.** et al. "The Relation between Star Formation, Morphology, and Local Density in High-Redshift Clusters and Groups" 2008, *Astrophysical Journal*, 684, 888

5. **Finn, R. A.**, Zaritsky, D., & McCarthy, D.W., "Hα-Derived Star-Formation Rates for the $z = 0.845$ Galaxy Cluster CLJ0023+0423B", 2004, *Astrophysical Journal*, 604, 141

(d) Synergistic Activities

1. Physics Education Research: Developed E&M Assessment for use in college Introductory Physics courses; assessment is available through physport.org; publication is in preparation.
2. Founder and Advisor, Women in Physics Group at Siena College
3. Modeling Physics Workshop for HS Teachers: I have organized and funded a yearly one-week workshop for HS Physics teachers for the past 6 years.
4. Research with High-School Students: Supervised independent astronomy research projects for local high school students; Science advisor for Spitzer Space Telescope Program for High-School Teachers (2006 - 2009).
5. Siena College Representative and Board Member of Astronomical Society of New York (2005 - Present)