

Curriculum Vitae

Dr. Caroline E. Simpson

Department of Physics
Florida International University
Miami, FL 33199

www.fiu.edu/~simpsonc
simpsonc@fiu.edu
(305) 348-1565

Education

Ph.D. 1995	Astronomy	University of Florida, Gainesville, FL
M.S. 1991	Astronomy	University of Florida, Gainesville, FL
B.S. 1984	Astronomy, Physics	University of Massachusetts, Amherst, MA

Dissertation: *Properties and Observations of Dwarf Irregular Galaxies*
Advisor: Stephen T. Gottesman

Professional Record

2001-present	Associate Professor	Dept. of Physics, Florida International University
2001-2006	Faculty Fellow	The Honors College, Florida International University
1995-2001	Assistant Professor	Dept. of Physics, Florida International University
1995	Assistant Scholar	Dept. of Physics, Florida International University
1989-1990	Graduate Research Assistant	Dept. of Astronomy, University of Florida
1988-1989	Graduate Teaching Assistant	Dept. of Astronomy, University of Florida

Graduate Fellowships

1991-1994	Florida Space Grant Consortium	Dept. of Astronomy, University of Florida, Gainesville, FL
Summer 1994	Gibson Dissertation Fellow	College of Liberal Arts and Sciences, University of Florida, Gainesville, FL

Professional Societies

American Astronomical Society
Astronomical Society of the Pacific

Awards and Honors

2007	University Foundation Excellence in Teaching Award, Florida International University
2004	Honorary Membership, Golden Key Honor Society
1998	Teaching Incentive Program (TIP) Award, Florida International University, State University System of Florida
1995	Phi Kappa Phi National Honor Society
1993	NASA Public Service Group Achievement Award, Guide Star Catalog Group, Space Telescope Science Institute
1989	First Annual Achievement Award, Guide Star Catalog Group, Space Telescope Science Institute

Refereed Publications

1. Nidever, D. L., Ashley, T., Slater, C. T., Ott, J., Johnson, M., Bell, E. F., Stanimirović, S., Putman, M., Majewski, S. R., Simpson, C. E., Jütte, E., Oosterloo, T. A., & Butler Burton, W. 2014, “Evidence for an Interaction in the Nearest Starbursting Dwarf Irregular Galaxy IC 10,” *The Astrophysical Journal*, 779, L15
2. Ashley, T., Simpson, C. E., & Elmegreen, B. G. 2014, “The H I Chronicles of LITTLE THINGS BCDs: Evidence for External Perturbations in the Morphology and Kinematics of Haro 29 and Haro 36,” *The Astronomical Journal*, 146, 42
3. Hunter, D. A., Ficut-Vicas, D., Ashley, T., Brinks, E., Cigan, P., Elmegreen, B. G., Heesen, V., Herrmann, K. A., Johnson, M., Oh, S.-H., Rupen, M. P., Schrubba, A., Simpson, C. E., Walter, F., Westpfahl, D. J., Young, L. M., & Zhang, H.-X. 2012, “LITTLE THINGS,” *The Astronomical Journal*, 144, 134
4. Simpson, C. E., Hunter, D. A., Nordgren, T. E., Brinks, E., Elmegreen, B. G., Ashley, T., Lynds, R., McIntyre, V. J., O’Neil, E. J., Östlin, G., Westpfahl, D. J., & Wilcots, E. M. 2011, “VII Zw 403: H I Structure in a Blue Compact Dwarf Galaxy,” *The Astronomical Journal*, 142, 82
5. Ashley, T., & Simpson, C. 2008, “VII Zw 403, Structure Resolved in a Blue Compact Dwarf Galaxy,” *Journal of the Southeastern Association for Research in Astronomy*, 2, 30
6. Iyer, M. G., & Simpson, C. E. 2006, “Properties of the Dwarf Irregular Galaxy DDO 169,” *The Astronomical Journal*, 132, 1035
7. Simpson, C. E., Hunter, D. A., & Nordgren, T. E. 2005, “DDO 43: A Prototypical Dwarf Irregular Galaxy?,” *The Astronomical Journal*, 130, 1049
8. Simpson, C. E., Hunter, D. A., & Knezek, P. M. 2005, “DDO 88: A Galaxy-sized Hole in the Interstellar Medium,” *The Astronomical Journal*, 129, 160

9. Iyer, M. G., Simpson, C. E., Gottesman, S. T., & Malphrus, B. K. 2004, "Neutral Hydrogen in Arp 158," *The Astronomical Journal*, 128, 985
10. Iyer, M. G., Simpson, C. E., Gottesman, S. T. 2003, "Arp 158: A Study of the HI," in *Galaxies and Chaos*, eds. G. Contopoulos and N. Voglis, Lecture Notes in Physics, Berlin Springer Verlag, 626, 263
11. Iyer, M. G., Simpson, C. E., Gottesman, S. T., & Malphrus, B. K. 2001, "Clues To The Formation And Evolution Of Tidal Dwarf Galaxies," *Astrophysics and Space Science Supplement*, 277, 473
12. Simpson, C. E., & Gottesman, S. T. 2000, "A Comparative Study of Star-forming and Quiescent Dwarf Galaxies," *The Astronomical Journal*, 120, 2975
13. Malphrus, B. K., Simpson, C. E., Gottesman, S. T., & Hawarden, T. G. 1997, "NGC 5291: Implications for the Formation of Dwarf Galaxies," *The Astronomical Journal*, 114, 1427
14. Simpson, C. E. 1990, "Accurate Positions for Objects in 'The Second Byurakan Spectral Sky Survey [III]'," *Publications of the Astronomical Society of the Pacific*, 102, 478

Conference Proceedings/Non-Refereed Papers

1. Zhang, H., Hunter, D., & the LITTLE THINGS Team 2011, "IMF, Extinction Law, and Stellar Populations in Dwarf Galaxies - Global Photometry of the LITTLE THINGS Galaxies," in *UP2010: Have Observations Revealed a Variable Upper End of the Initial Mass Function?*, ASP Conference Proceedings, Astronomical Society of the Pacific, 440, 247
2. Simpson, C. January 2012, "Unconscious Bias," in *STATUS, A Report on Women in Astronomy*, <http://www.aas.org/cswa/STATUS.html>
3. Simpson, C. E., Schmelz, J. T., Hinz, J.L., Hornschemeier, A. E., Jacoby, G., Jang-Condell, H., Kniffen, D. A., Montgomery, M., Postman, M., Sargent, W. L. W. 2009, "Celebrating 30 Years of Advancing the Status of Women in Astronomy: The AAS Committee on the Status of Women in Astronomy," in *Women in Astronomy and Space Science: Meeting the Challenges of an Increasingly Diverse Workforce*, NASA Publications, p. 272
4. Hays, N. & Simpson, C. 2004, "Optical Survey of Peculiar Spiral Galaxy Arp 213," *International Amateur Professional Photoelectric Photometry Communications*, 97, 28
5. Wells, S. J. & Simpson, C. E. 2003, "A 21-cm Neutral Hydrogen Study of Arp 213," *International Amateur Professional Photoelectric Photometry Communications*, 91, 54
6. Iyer, M., Simpson, C. E., Gottesman, S. T., Hargis, J. R., & Malphrus, B. K. 2001, "HI in Five Peculiar Systems," in *Gas and Galaxy Evolution*, ASP Conference Proceedings, Astronomical Society of the Pacific, 240, 861

7. Hargis, J. R., & Simpson, C. E. 1999, “Neutral Hydrogen Observations Of Interacting Galaxies: Arp 279 And Arp 263,” *International Amateur-Professional Photoelectric Photometry Communications*, 76, 41
8. Rumstay, K. S., Leake, M. A., Wood, M. A., Ringwald, F., Moldwin, M., Rassoul, H., Thursby, M. H., Henson, G. D., Shaw, J. S., Simpson, C. E., & van Hamme, W. V. 1999, “The 1999 SARA Research Experiences For Undergraduates Program,” *International Amateur-Professional Photoelectric Photometry Communications*, 76, 1
9. Rave, H. A., & Simpson, C. E. 1998, “HI Observations Of Low Mass Dwarf Galaxies,” *International Amateur-Professional Photoelectric Photometry Communications*, 71, 23
10. Rumstay, K. S., Leake, M. A., Oswalt, T. D., Wood, M. A., Moldwin, M., Thursby, M. H., Castelaz, M. W., Henson, G. D., Shaw, J. S., Magnani, L. A., Webb, J. R., & Simpson, C. E. 1998, “The 1997 SARA Research Experiences for Undergraduates Program,” *International Amateur-Professional Photoelectric Photometry Communications*, 71, 1
11. Simpson, C. E., & Gottesman, S. T. 1994, “An HI Survey for Dwarf Galaxies,” *European Southern Observatory Conference and Workshop Proceedings*, 49, 283
12. Simpson, C., & Gottesman, S. T. 1993, “HI observations of dwarf galaxies out to a distance of 50 MPC,” *Evolution of Galaxies and their Environment*, 181
13. MacKenty, J. W., Simpson, C., & McLean, B. 1990, “The Environments of Markarian Galaxies,” *NASA Conference Publication*, 3098, 165

Presentations/Abstracts

1. Ashley, T. L., Simpson, C. E., & the LITTLE THINGS Team 2014, “The HI Chronicles of LITTLE THINGS BCDs,” *American Astronomical Society Meeting Abstracts*, 223, #428.02
2. Nidever, D. L., Ashley, T. L., Slater, C., Ott, J., Johnson, M. C., Bell, E. F., Stanimirovic, S., Putman, M. E., Majewski, S., Simpson, C. E., Burton, W., Jette, E., & Oosterloo, T. 2014, “Evidence for an Interaction in the Nearest Starbursting Dwarf Galaxy IC 10,” *American Astronomical Society Meeting Abstracts*, 223, #112.07
3. Simpson, C. E. 2012, “Best Practices in Hiring: Addressing Unconscious Bias,” *American Astronomical Society Meeting Abstracts*, 219, #124.01
4. Zhang, H., Hunter, D. A., & the LITTLE THINGS Team 2012, “Fourier Transform Power Spectra Analysis of Dwarf Irregular Galaxies,” *American Astronomical Society Meeting Abstracts*, 219, #148.07
5. Johnson, M. C., Oh, S., Zhang, H., Hunter, D. A., Tollerud, E., Elmegreen, B., Brinks, E., & the LITTLE THINGS Team 2012, “NGC 1569: Stellar and Gas Kinematics and Dark Matter Content,” *American Astronomical Society Meeting Abstracts*, 219, #148.06

6. Herrmann, K. A., & the LITTLE THINGS Team 2012, “Color Profile Trends of Dwarf Galaxies,” *American Astronomical Society Abstracts*, 219, #148.03
7. Hunter, D. A., & the LITTLE THINGS Team 2012, “The LITTLE THINGS Survey,” *American Astronomical Society Meeting Abstracts*, 219, #148.01
8. Jackson, M. C., Hunter, D., Oh, S., & the LITTLE THINGS Team 2011, “Understanding the Structure of NGC 1569 and Dwarf Irregular Galaxies,” *American Astronomical Society Meeting Abstracts*, 217, #328.03
9. Herrmann, K. A., Hunter, D. A., Zhang, H. X., & the LITTLE THINGS Team 2011, “Broken Surface Brightness Profiles in Dwarf Galaxies,” *American Astronomical Society Meeting Abstracts*, 217, #147.15
10. Simpson, C. E. 2010, “Nibbled to Death by Ducks: The Accumulation of Disadvantage,” *American Astronomical Society Meeting Abstracts*, 216, #202.03
11. Basu, S., Ashley, T., Simpson, C., Hunter, D., & the LITTLE THINGS Team 2009, “The LITTLE THINGS Survey,” *Assembly, Gas Content and Star Formation History of Galaxies*, The Fourth North American ALMA Science Center Conference, <http://www.cv.nrao.edu/php/meetings/galaxies09/posterabstracts.php>
12. Simpson, C., Hunter, D., & Ashley, T. 2008, “VII ZW 403: A Blue Compact Dwarf Case Study,” *Proceedings of the International Astronomical Union*, Volume 4, Symposium S255, DOI: <http://dx.doi.org/10.1017/S1743921308025155>
13. Hunter, D. A., Brinks, E., Elmegreen, B., Rupen, M., Simpson, C., Walter, F., Westpfahl, D., & Young, L. 2007, “The LITTLE THINGS Survey,” *Bulletin of the American Astronomical Society*, 39, 895
14. Ashley, T. , & Simpson, C. 2007, “VII Zw 403, Structure Resolved in a Blue Compact Dwarf Galaxy,” *Bulletin of the American Astronomical Society*, 39, 756
15. Simpson, C. E., Hunter, D. A., & Nordgren, T. E. 2007, “VII Zw 403: A Blue Compact Dwarf Case Study,” *Bulletin of the American Astronomical Society*, 39, 190
16. Hays, N. & Simpson, C. E. 2005, “Optical Survey of Peculiar Galaxy Arp 213,” 19th Annual Meeting of the National Council for Undergraduate Research, Lexington, VA
17. Iyer, M., Simpson, C., & Hunter, D. 2003, “DDO 210,” *Bulletin of the American Astronomical Society*, 35, #115.21
18. Simpson, C. E., Hunter, D. A., & Knezek, P. 2002, “DDO 88: Inner Turmoil, Outer Calm,” in *The Outer Edges of Dwarf Irregular Galaxies*, <http://www2.lowell.edu/workshops/dwarfs2012/program.html>
19. Wells, S. J. , & Simpson, C. E. 2002, “A 21-cm Neutral Hydrogen Study of Arp 213,” *Bulletin of the American Astronomical Society*, 34, 1115

20. Hargis, J. R. , Simpson, C. E., Gottesman, S. T., & Malphrus, B. K. 1999, “Neutral Hydrogen Observations of Interacting Galaxies: Arp 279 and Arp 263,” *Bulletin of the American Astronomical Society*, 31, 1476
21. Iyer, M., Simpson, C. E., Gottesman, S. T., & Malphrus, B. K. 1999, “Formation and Evolution of Tidal Dwarf Galaxies,” *Bulletin of the American Astronomical Society*, 31, 1451
22. Simpson, C. E., & Gottesman, S. T. 1997, “A Comparative Study of Low Mass Blue Compact and Low Surface Brightness Dwarf Galaxies,” *Dwarf Galaxies: Probes for Galaxy Formation and Evolution*, IAU Joint Discussion 2, E27
23. Malphrus, B. K., Simpson, C. E., Gottesman, S. T., & Hawarden, T. G. 1995, “The Formation of Dwarf Irregular Galaxies from Tidally Removed Debris and the Peculiar System NGC 5291,” *Bulletin of the American Astronomical Society*, 27, 1361
24. Malphrus, B., Simpson, C. E., & Gottesman, S. T. 1994, “VLA Observations of the Peculiar System NGC 5291,” *Bulletin of the American Astronomical Society*, 26, 1439
25. Dermott, S. F., Gomes, R. S., Gustafson, B., Jayaraman, S., Simpson, C., Xu, -L Y., & Nicholson, P. D. 1990, “IRAS Observations of the ‘Near-Ecliptic’ Solar System Dust Bands,” *Bulletin of the American Astronomical Society*, 22, 1124
26. Jayaraman, S., Dermott, S. F., Gomes, R. S., Gustafson, B., Simpson, C., Xu, -L. Y., & Nicholson, P. D. 1990, “IRAS Observations of the ‘Ten-Degree’ Solar System Dust Bands,” *Bulletin of the American Astronomical Society*, 22, 1123
27. Xu, -L. Y., Dermott, S. F., Gomes, R. S., Gustafson, B., Jayaraman, S., Simpson, C., & Nicholson, P. D. 1990, “IRAS Observations of the Large-Scale Background Zodiacal Cloud,” *Bulletin of the American Astronomical Society*, 22, 1118
28. Simpson, C., Dermott, S. F., Gomes, R. S., Gottesman, S. T., Gustafson, B., & Jayaraman, S. 1990, “IRAS Observations of Cool Dust – Is There Dust in the Outer Solar System Beyond the Orbit of Pluto?,” *Bulletin of the American Astronomical Society*, 22, 1118

Talks/Seminars/Colloquia

1. “*Historical Women in Astronomy*,” Lunch Talk, National Radio Astronomy Observatory, Greenbank, WVA, July 2012
2. “*Best Practices in Hiring: Addressing Unconscious Bias*,” presented at the 219th meeting of the American Astronomical Society, Special Session 219: CSWA: Increasing Diversity in Your Department, Austin, TX, Jan. 2012
3. “*Nibbled to Death by Ducks: The Accumulation of Disadvantage*,” presented at the 216th meeting of the American Astronomical Society, Special Session 202: CSWA: Addressing Unconscious Bias, Miami, FL; May 2010

4. “*Star Formation in Dwarf Galaxies*,” Department of Physics, Florida Atlantic University, Boca Raton, FL; November 2009
5. “*Star Formation in Dwarf Galaxies*,” Department of Physics, Florida International University, Miami, FL; November 2009
6. “*Historical Women in Astronomy*,” Department of Physics, Florida International University, Miami, FL; September 2008
7. “*Arp 213: A Dark Matter Dominated Spiral*,” Department of Physical Sciences, Columbus State University, Columbus, GA; June 2006
8. “*A Look at Radio Astronomy*,” Department of Physics, University of North Carolina at Asheville, Asheville, NC; March 2004
9. “*A 21-cm Neutral Hydrogen Study of Arp 213*,” presented at the 128th National Meeting of the American Association of Physics Teachers, Miami, FL; Jan. 27, 2003
10. “*Dwarf Galaxies: A Peek at the Zoo*,” Lowell Observatory, Flagstaff, AZ; December 2001
11. “*Star Formation in Dwarf Galaxies*,” Department of Physics, Florida Atlantic University, Boca Raton, FL; March 2001
12. “*Colliding Galaxies: NGC 5291 and Young Galaxy Formation*,” Department of Geology, FIU, Miami, FL; October 1998
13. “*A Comparative Study of Star-Forming and Quiescent Dwarf Galaxies*,” presented at XXXIIIth Rencontres de Moriond, XVIIIth Moriond Astrophysics Meeting, Les Arcs 1800, Savoie, France; March 16, 1998
14. “*HI Observations as a Probe of Star Formation in Low Mass Dwarf Galaxies*,” Colloquium, National Radio Astronomy Observatory, Charlottesville, VA; May 1997
15. “*NGC 5291 and Young Galaxy Formation*,” Seminar, Department of Physics, FIU, Miami, FL; September 1994
16. “*Star Formation in Low-Mass Dwarf Galaxies*,” Seminar, Department of Physics, FIU, Miami, FL; November 1993

Press Release

“*New Galaxies from Old? VLA Observations Strengthen Case*,” National Radio Astronomy Observatory Press Release, D. Finley, <http://www.aoc.nrao.edu/pr/press-1-16-96.html>; Jan. 16, 1996

External Grants

2007-2012	Collaborative Research: Star Formation in Subcritical Environments, National Science Foundation, PI, \$462,807
2004-2005	The Role of Neutral Hydrogen in Star Formation Processes in Dwarf Galaxies, National Science Foundation, PI, \$32,986
2000-2005	The SARA REU Site Program, National Science Foundation, Sr. Personnel, \$460,717
1999-2001	High Performance Connection for Florida International University, National Science Foundation, Sr. Personnel, \$253,300
1997-2000	Fostering Undergraduate Astronomical Research in the Southeast: The SARA REU Program, National Science Foundation, Sr. Personnel, \$330,492
1997-1998	Research Planning Grant: Low Mass Dwarf Irregular Galaxies, National Science Foundation, PI, \$17,926
1991	Sigma-Xi Grants-in-Aid, Sigma-Xi The Scientific Research Society, \$3,000
1993-1997	Travel Grants (International Astronomical Union, American Astronomical Society), totaling \sim \$4000

Institutional Grants

2012	Howard Hughes Medical Institute Fellow, course-buy out and overload salary support totaling \sim \$20,000
2002	FIU College of Arts and Sciences Summer Research Support Program, \$4000
1999	FIU College of Arts and Sciences Grant-in-Aid, \$981
1998	FIU Foundation/Provost's Office Summer Research Award, \$10,142
1998-1999	FIU Division of Sponsored Research, 7 Seed Money Grants totaling \sim \$8,000

Observing Time Awarded

1. *Imaging IC 10's Starburst Trigger as Indicated by New Emission*, Ashley, T., Simpson, C., Nidever, D., Ott, J.; NRAO Jansky Very Large Array Radio Telescope; 29.4 hours, to be taken 2014
2. *Mapping the Outer HI Pools of Blue Compact Dwarf Galaxies in LITTLE THINGS*, Ashley, T., Simpson, C., Johnson, M., Hunter, D.; NRAO Greenbank Radio Telescope; 193.0 hours, 2013
3. *Dust, Molecules, and Star Formation at Low Metallicity*, Hunter, D., Elmegreen, B., Young, L., Brinks, E., Rupen, M., Simpson, C.; Chilean APEX Telescope, LABOCA; 25.8 hours, 2013

4. *Molecular Cloud at Low Metallicity*, Hunter, D., Elmegreen, B., Young, L., Brinks, E., Rupen, M., Simpson, C.; Chilean APEX Telescope, SHFI; 30 hours, 2013
5. *Dust and Star Formation at Low Metallicities*, Hunter, D., Brinks, E., Elmegreen, B., Madden, S., Rupen, M., Simpson, C., Walter, F., Westpfahl, D., Young, L.; Herschel Satellite Observatory, 22.6 hours, 2011
6. *Dust, Gas, and Star Formation in IC1613*, Young, L., Cigan, P., Hunter, D., Schrubba, A., Madden, S., Ashley, T., Basu, S., Brinks, E., Elmegreen, B., Ficut-Vicas, D., Heesen, V., Herrmann, K., Jackson, M., Oh, S-H., Rupen, M., Simpson, C., Walter, F., Westpfahl, D., Zhang, H.; Herschel Satellite Observatory, 22.5 hours, 2011
7. *Molecular Clouds at Low Metallicity*, Rubio, M., Hunter, D., Verdugo, C., Brinks, E., Elmegreen, B., Rupen, M., Simpson, C., Walter, F., Young, L., Cigan, P.; Chilean APEX Telescope; 40 hours, 2011
8. *Dust, Molecules, and Star Formation at Low Metallicity*, Rubio, M., Hunter, D., Verdugo, C., Brinks, E., Elmegreen, B., Rupen, M., Simpson, C., Walter, F., Young, L., Cigan, P.; Chilean APEX Telescope; 36.8 hours, 2011
9. *Molecular Clouds at Low Metallicity*, Brinks, E., Hunter, D., Verdugo, C., Elmegreen, B., Rupen, M., Simpson, C., Walter, F., Young, L.; Chilean APEX Telescope; 16.0 hours, 2011
10. *Characterizing Molecular Clouds at Low Metallicity*, Hunter, D., Brinks, E., Elmegreen, B., Kaufman, M., Madden, S., Rupen, M., Simpson, C., Westpfahl, D., Walter, F., Young, L.; Herschel Satellite Observatory, 89.5 hours, 2010.
11. *The Formation of Molecular Clouds in LITTLE THINGS*, Brinks, E., Hunter, D., Rubio, M., Elmegreen, B., Rupen, M., Simpson, C., Walter, F., Westpfahl, D., Young, L.; CARMA (Combined Array for Research in Millimeter-wave Astronomy); European Southern Observatory; 42.5 hours, 2009.
12. *The Formation of Molecular Clouds in LITTLE THINGS*, Young, L., Hunter, D., Brinks, E., Elmegreen, B., Rupen, M., Simpson, C., Walter, F., Westpfahl, D., Ashley, T., Basu, S., Ficut-Vicas, D., Herrmann, K., Jackson, M., Oh, S-H., Schrubba, A., Zhang, H., Heesen, V.; CARMA (Combined Array for Research in Millimeter-wave Astronomy); 96 hours, 2009.
13. *The LITTLE THINGS Survey: Local Irregulars That Trace Luminosity Extremes*, Hunter, D., Brinks, E., Elmegreen, B., Rupen, M., Simpson, C., Walter, F., Westpfahl, D., Young, L.; NRAO Very Large Array, Large Project; B, C, and D configurations; 376 hours, 2008-2009.
14. *Tracing Star Formation in LITTLE THINGS*, Hunter, D., Brinks, E., Elmegreen, B., Rupen, M., Simpson, C., Walter, F., Westpfahl, D., Young, L.; Galaxy Evolution Explorer (GALEX) Space Telescope; 16.50 kiloseconds, 2008

15. *Testing a Model of Star Formation for Dwarf Galaxies*, Hunter, D., Elmegreen, B., Simpson, C., Nordgren, T.; NRAO Very Large Array, C configuration; 18 hours, Fall 2006
16. *HI Structure of the Blue Compact Dwarf VII Zw 403*, Hunter, D., Simpson, C., Nordgren, T., Elmegreen, B., Brinks, E., Westpfahl, D., Wilcots, E., McIntyre, V., & Ostlin, G.; NRAO Very Large Array, B configuration; 11 hours, September 2006
17. *The Origin of Dwarf Galaxies*, Hunter, D., Hunsberger, S., Wilcots, E., Simpson, C. E., Elmegreen, B.; NRAO Very Large Array, B, C, and D Configurations; 28 hours, November and December 2001; August 2002; December 2002
18. *The Evolution of Tidal Debris in Colliding Galaxies*, Gottesman, S. T., Simpson, C. E., Malphrus, B. K., Laine, S., Iyer, M., Ratay, D.; NRAO Very Large Array, C configuration; 12 hours, June 2000
19. *The Evolution of Tidal Debris in Colliding Galaxies*, Gottesman, S. T., Simpson, C., Malphrus, B. K., and Laine, S.; NRAO Very Large Array, D configuration; 25 hours, May 1999
20. *A Comparative Study of BCD and LSBD Low Mass Dwarf Galaxies*, Simpson, C., Gottesman, S. T., & Vilchez, J. M.; NRAO Very Large Array, D configuration; 8 hours, November 1997
21. *The Evolution of Low Mass Dwarf Galaxies: An HI Study*, Simpson, C. & Gottesman, S. T.; NRAO Very Large Array, D configuration; 16 hours, September 1996
22. *HI Observations of Low Mass Dwarf Galaxies*, Simpson, C. & Gottesman, S. T.; NRAO Very Large Array, C configuration; 17 hours, July 1993
23. *Dwarf Galaxies out to 50 Mpc*, Simpson, C. & Gottesman, S. T.; NRAO Very Large Array, D configuration; 8 hours, August 1992

Students Supervised

Chair, Ph.D. Dissertation committee:

Nau Raj Pohkrel, 2012-present

Trisha Ashley, 2008-present

Mansie Iyer, 1998-2005

Member, Ph.D. Dissertation committee:

Kevin Chau (Earth Science; external member), 2012-present

Julie Johnson (Earth Science; external member), 2008-present

Gopal Bhatta, 2008-2012

Member, M.S. Thesis committee:

Priscilla Pamela, 2007-2010

Jorge Gibert, 2004

Lizet Diaz, 2001
Emily Howard, 2000
Zhang Lei, 1995

Mentor, SARA Research Experience for Undergraduates (REU) program:

Trisha Ashley, Summer 2007
Naydene Hays, Summer 2004
Shannon Wells, Summer 2002
Jonathan Hargis, Summer 1999
Heather Rave, Summer 1997

Courses Taught

- AST 2003: Solar System Astronomy (science core course for non-majors; also developed and teach fully online version)
- AST 2004: Stellar Astronomy (science core course for non-majors; also developed and teach fully online version)
- AST 3213: Introductory Astrophysics (junior level course for astronomy minor)
- IDH 2003-2004: Inhabiting Other Lives (sophomore level year-long team-taught Honors College course)
- ISC 1000: Great Ideas in Science (interdisciplinary science core course for non-majors; co-developed and team-taught)
- ISC 1000L: Great Ideas in Science Laboratory (lab component for ISC 1000; developed labs, trained and supervised teaching assistants)
- PHY 1020: Understanding the Physical World (science core course for non-majors)
- PHY 1033: First-Year Physics Seminar (1 credit seminar/discussion course for current and prospective undergraduate physics majors; co-developed and team-taught)

Professional Service

Proposal Reviewer: National Science Foundation, Research Corporation

Publications Referee: The Astronomical Journal

- Member, Science Review Panel on Extragalactic Structure, National Radio Astronomy Observatory, 2013-2014
- Chair, Scientific Organizing Committee, *Lowell Workshop on Star Formation in Dwarf Galaxies*, Lowell Observatory; June 2012
- Chair, CSWA Special Session on *Increasing Diversity in Your Department*, AAS Meeting 219, Austin, TX; January 2012

- Member, Committee on the Status of Women in Astronomy, American Astronomical Society; 2007-present
- co-Editor and Senior Editor, weekly electronic newsletter of the Committee on the Status of Women in Astronomy, American Astronomical Society; 2007-2013
- Reviewer, Florida Comprehensive Assessment Test (FCAT) Science examination questions; 2007
- Member, Local Organizing Committee, *Blazar Variability Workshop II: Entering the GLAST Era*, FIU, Miami, FL; Spring 2005
- Member, Local Organizing Committee, International Astronomical Union Conference #187, *Exotic Stars as Challenges to Evolution*, FIU, Miami, FL; Spring 2002
- Session Chair, Session DB: *New Astronomical Results*, Southeast Section of the American Physical Society, Miami, FL; Fall 1998
- Member, Local Organizing Committee, International Workshop on *Blazar Continuum Variability*, Florida International University, Miami, FL; Winter 1996

University Service

- Member, Textbook Affordability Committee, Florida International University; 2010-present
- Member, Information Technology Advisory Committee, Florida International University; Spring 2007-2011
 - Chair, 2008-2009
 - Member, Steering Committee, Fall 2008-2010
- Consultant (non-voting member), Student Technology Fee Committee, Florida International University, 2009-2011
- Member, Faculty Senate, Florida International University; Fall 2007-2010
- Member, Classroom Design Standards Committee, Florida International University; Fall 2008
- Member, Sabbatical Committee, Florida International University; Spring 2008
- Member, Desktop Management Committee; Summer 2005
- Member, Faculty Senate Ad-hoc Committee on Core, General Education, and Exit Requirements; Spring 2001-Fall 2002
- Member, Southern Association of Colleges and Schools (SACS) Self-Accreditation Committee on Physical Resources; 1997-1999

- Chair, subcommittee for Safety and Security
- Chair, subcommittee for Buildings, Grounds, and Equipment Maintenance

Department Service

- Member, Undergraduate Curriculum Revision Committee, Physics Department; 2011-present
- Department Scheduler, Physics Department; 2011-2012
- Co-Undergraduate Advisor, Physics Department; 2006-2012
- Member, Honors College Student Research and Artistic Initiatives Committee; 2005
- Member, Physics Curriculum Revision Committee; 2004-2006
- Member, Physics Department Faculty Evaluation System Revision Committee; 2004-2005
- Member, Honors College Admissions Committee; 2002-2006
- Member, Physics Space Utilization Committee; 2002-present
- Chair, Physics Machine Shop Committee; 1997-present
- Member, Physics Machine Shop Committee; 1996-1997
- Member, Computer Committee; 1996-present
- Member, Committee to attract and retain Physics Majors; 1999-2000
- Member, Committee to develop Departmental Purpose and Effectiveness Document (Mission Statement and Assessment Criteria); 1999-2000
- Member, Budget Committee; 1995-1997

Community/Public Service

Member, Southern Cross Astronomical Society; 1995-present

Public Talks:

Over 50; on various astronomical topics.