

Walter V. Van Hamme

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Education

D. Sci., Ghent University, Belgium, Astronomy, 1981

Professional History

School of Integrated Science and Humanity <i>Dean</i>	College of Arts, Sciences & Education, FIU 2021-Present
College of Arts, Sciences & Education <i>Senior Associate Dean</i>	FIU 2018-2021
College of Arts, Sciences & Education <i>Associate Dean</i>	FIU 2016-2018
School of Integrated Science and Humanity <i>Executive Director</i>	College of Arts, Sciences & Education, FIU 2016
<i>Interim Executive Director</i>	2015-2016
<i>Associate Director</i>	2011-2015
Department of Physics <i>Chair</i>	FIU 2004-2011
<i>Professor</i>	2000 - Present
<i>Associate Professor</i>	1992-2000
<i>Assistant Professor</i>	1988-1992
Coastal Caroline College <i>Assistant Professor</i>	University of South Carolina 1985-1998
<i>Visiting Assistant Professor</i>	1984-1985
Department of Astronomy <i>Post-doctoral Research Associate</i>	University of Florida 1983-1984
<i>Visiting Post-doctoral Research Associate</i>	1982-1983
National Foundation for Scientific Research <i>Senior Research Associate</i>	Belgium 1981-1983

Publications

Journal Publications (peer-reviewed)

100. R. G. Samec, W. Van Hamme, R. Hill, *SZ Sculptoris: light curve analysis and period study of the totally eclipsing, Galactic South Pole, solar-type binary*, 2020, *Journal of the American Variable Star Observers*, 48, 156

99. R. G. Samec, H. Chamberlain, W. Van Hamme, *TYC 9291-1051-1: The first precision photometry and analyses of the active, totally eclipsing, solar-type binary*, 2020, *Journal of the American Association of Variable Star Observers*, 48, 124
98. R. G. Samec, H. A. Chamberlain, W. Van Hamme, *The Southern solar-type, totally eclipsing binary PY Aquarii*, 2019, *Journal of the American Association of Variable Star Observers*, 47, 29
97. The GAIA Collaboration: G. Clementini, ..., W. Van Hamme, ... (585 authors), *GAIA Data Release 1 – Testing parallaxes with local Cepheids and RR Lyrae stars*, 2017, *Astronomy & Astrophysics*, 605, A79 (29 pp)
96. D. B. Caton, R. G. Samec, R. Robb, D. R. Faulkner, W. Van Hamme, J. D. Clark, T. Shebs, *BVRI Photometric Analysis and Spectra of the Dwarf Solar Type Algol Binary V500 Pegasi*, 2017, *Publications of the Astronomical Society of the Pacific*, 129, 064202 (15 pp)
95. The GAIA Collaboration: F. van Leeuwen, ..., W. Van Hamme, ... (591 authors), *GAIA Data Release 1 – Open cluster astrometry: performance, limitations and future prospects*, 2017, *Astronomy & Astrophysics*, 601, A19 (65 pp)
94. R. G. Samec, C. L. Norris, W. Van Hamme, D. R. Faulkner, R. L. Hill, *BVRI Photometric 2015 WD Analysis of the Southern Totally Eclipsing, Solar-type, Shallow-contact W UMa Binary DD Indus*, 2016, *Astronomical Journal*, 152, 219 (6 pp)
93. R. G. Samec, R. Nyaude, D. Caton, W. Van Hamme, *BVRI Observations and Analyses of the Semidetached Binary FF Vulpecula*, 2016, *Astronomical Journal*, 152, 199 (6 pp)
92. The GAIA Collaboration: A. G. A. Brown, ..., W. Van Hamme, ... (591 authors), *GAIA Data Release I – Summary of the astrometric, photometric and survey properties*, 2016, *Astronomy & Astrophysics*, 595, A2 (23 pp)
91. The GAIA Collaboration: T. Prusti, ..., W. Van Hamme, ... (625 authors), *The GAIA mission*, 2016, *Astronomy & Astrophysics*, 595, A1 (36 pp)
90. Y.-G. Yang, C. Wu, W. Van Hamme, J.-Y. Hu, J.-Y. Wei, *Photometric Properties of Selected Algol Binaries. IX. V548 Cygni*, 2016, *Astronomical Journal* 152, 49 (10 pp)
89. T. R. Vaccaro, R. E. Wilson, W. Van Hamme, D. Terrell, *The V471 Tauri System: a Multi-datatype Probe*, 2015, *Astrophysical Journal* 810, 157 (28 pp)
88. R. G. Samec, J. D. Kring, R. Robb, W. Van Hamme, D. R. Faulkner, *UBVRI Analysis of the Totally Eclipsing Extreme Mass Ratio W UMa Binary GSC 3208 1986*, 2015, *Astronomical Journal* 149, 90 (13 pp)
87. R. G. Samec, R. Robb, D. R. Faulkner, W. Van hamme, *Photometric Analysis and Spectral Identification of the Early Spectral Type W UMa Contact Binary V444 Andromedae*, 2015, *Journal of the American Association of Variable Star Observers* 43, JAAVSO296 (6 pp)
86. R. G. Samec, J. D. Clark, W. Van Hamme, D. R. Faulkner, *Analysis of the Southern Pre-contact W UMa binary ZZ Eridani*, 2015, *Astronomical Journal* 149, 48 (10 pp)
85. R. G. Samec, J. Kring, J. Benkendorf, J. Dignan, W. Van Hamme, D. R. Faulkner, *First Photometric Study of the Short Period Solar Type Binary V1073 Herculis and the Possible Detection of a Dwarf Companion*, 2014, *Journal of the American Association of Variable Star Observers* 42, 406-425
84. R. E. Wilson, W. Van Hamme, *Unification of Binary Star Ephemeris Solutions*, 2014, *Astrophysical Journal* 780, 151-168

83. R. G. Samec, T. S. Shebs, D. R. Faulkner, W. Van Hamme, R. F. Mathis, *BVR_CI_C Observations and Analyses on V2421 Cygni, a Precontact W UMa Binary*, 2014, *Astronomical Journal* 147-155
82. R. G. Samec, J. D. King, D. R. Faulkner, W. Van Hamme, *BVRI Photometric Analysis and 73 year Period Study of the Totally Eclipsing Binary DK Andromedae*, 2013, *Publications of the Astronomical Society of the Pacific* 125, 1200-1211
81. R. G. Samec, T. Shebs, A. Jaso, P. M. Smith, J. White, D. R. Faulkner, W. Van Hamme, *UBVR_CI_C Photometric Observations and Analysis of the Emission-line, Solar-type Binary GSC 2751-1007*, 2013, *The Observatory*, 133, 89-98
80. R. M. Williamson, J. R. Sowell, W. V. Van Hamme, *The Eclipsing Binary RU Eridani*, 2013, *Publications Astronomical Society of the Pacific* 125, 17-24
79. R. G. Samec, P. M. Smith, H. Chamberlain, D. R. Faulkner, & W. Van Hamme, *BVR_CI_C Observations and Analyses of the Dwarf Detached Binary V1043 Cassiopeiae and a Comment on Precontact W UMa's*, 2013, *Astronomical Journal*, 145, 14-23
78. R. G. Samec, D. Flaaten, A. Jaso, B. Oliver, T. Rehn, D. R. Faulkner, & W. Van Hamme, *UBVRI Photometric Study of the Totally Eclipsing Very Short Period W Ursae Majoris Binary GSC 2765-0348*, 2012, *Publications of the Astronomical Society of the Pacific*, 124, 1025-1034
77. R. G. Samec, J. R. Dignan, P. M. Samec, T. Rehn, B. M. Oliver, D. R. Faulkner, & W. Van Hamme, *UBVR_CI_C Photometric Study of the Near Contact Eclipsing Binary Mis V1287*, 2012, *Information Bulletin on Variable Stars*, No. 6035
76. R. G. Samec, E. R. Figg, C. M. Labadorf, D. R. Faulkner, & W. Van Hamme, *TYC 1404-1687-1, an Extreme Mass Ratio Binary?*, 2012, *The Observatory*, 132, 98-106
75. R. G. Samec, H. A. Chamberlain, E. R. Figg, C. M. Labadorf, D. R. Faulkner, & W. Van Hamme, *A Photometric Study of the Dwarf Algol Binary V1001 Cassiopeiae*, 2012, *The Observatory*, 132, 7-15
74. R. G. Samec, A. Jaso, J. White, D. R. Faulkner, N. Blum, & W. Van Hamme, *UBVRI Photometric Analysis of the Solar-Type Eclipsing Binary TYC 3034-299-1*, 2012, *ISRN Astronomy and Astrophysics*, 2012, Article ID 972572 (11pp), doi: 10.5402/2012/972572
73. R. G. Samec, E. R. Figg, D. R. Faulkner, & W. Van Hamme, *AC Piscium, A Short-Period Cool Dwarf Algol Binary*, 2011, *Publications of the Astronomical Society of the Pacific*, 123, 1169-1176
72. R. G. Samec, C. M. Labadorf, N. C. Hawkins, D. R. Faulkner, & W. Van Hamme, *UBVR_CI_C Analysis of the Recently Discovered Totally Eclipsing, Extreme Mass Ratio Binary V1853 Orionis, and a Statistical Look at 25 Other EMRB's*, 2011, *Astronomical Journal*, 142, 117-128
71. R. G. Samec, B. Oliver, E. R. Figg, D. R. Faulkner, W. V. Van Hamme, *Photometric Analysis and Evidence for a Third, Dwarf Component in the FY Boo system*, 2011, *Information Bulletin on Variable Stars*, No. 5963
70. R. E. Wilson, W. Van Hamme, & D. Terrell, *Flux Calibrations from Nearby Eclipsing Binaries and Single Stars*, 2010, *Astrophysical Journal*, 723, 1469
69. R. G. Samec, R. A. Melton, E. R. Figg, C. M. Labadorf, K. P. Martin, H. A. Chamberlain, D. R. Faulkner, & W. Van Hamme, *Photometric Study of the Near Critical Contact System, GSC 3355 0394*, 2010, *Astronomical Journal*, 140, 1150
Erratum: 2010, *Astronomical Journal*, 140, 2145

68. R. G. Samec, E. R. Figg, D. R. Faulkner, W. Van Hamme, & R. Robb, *Photometric and Spectroscopic Study of the W-type W UMa Binary TYC 2853-18-1*, 2009, Information Bulletin on Variable Stars, No. 5901
67. R. E. Wilson, D. Chochol, R. Komžík, W. Van Hamme, T. Pribulla, & I. Volkov, *Ellipsoidal variable V1197 Orionis: Absolute Light-Velocity Analysis for Known Distance*, 2009, Astrophysical Journal, 702, 403-413
66. R. E. Wilson, & W. Van Hamme, *Distances to Four Solar Neighborhood Eclipsing Binaries from Absolute Fluxes*, 2009, Astrophysical Journal, 699, 118
65. R. Samec, C. Labadorf, R. McKenzie, H. Chamberlain, W. Van Hamme, & D. Faulkner, *Photometric Study of a Solar-type Contact Binary – Does GSC 2766-0775 Have a Hemisphere-sized Super-luminous Region?*, 2008, The Observatory, 128, 463
64. R. G. Samec, C. M. Labadorf, G. A. Behn, H. A. Chamberlain, D. R. Faulkner, & W. Van Hamme, *Photometric Analysis and 60-year Period Study of the Detached but Near-Contact System VV Virginis*, 2008, Astronomical Journal, 136, 1667
63. R. G. Samec, R. McKenzie, N. C. Hawkins, W. Van Hamme, & D. R. Faulkner, *The Cool Dwarf Interacting Binary HH95–79*, 2008, Information Bulletin on Variable Stars, No. 5849
62. R. G. Samec, J. Branning, S. M. Jones, D. R. Faulkner, N. C. Hawkins, & W. Van Hamme, *V963 Cygni is an Active Detached Binary with a 33.5 Hour Period*, 2007, Information Bulletin on Variable Stars, No. 5786
61. W. Van Hamme, & R. E. Wilson, *Third Body Parameters from Whole Light and Velocity Curves*, 2007, Astrophysical Journal, 661, 1129
60. M. A. Wood, W. Van Hamme, & V. Wilkat, *New Eclipse Timings and Preliminary Analysis of USNO-A2.0 1425–05691757*, 2007, Journal American Association of Variable Star Observers, 35, 1
59. R. G. Samec, I. B. Rook, D. R. Faulkner, N. C. Hawkins, & W. Van Hamme, *Photometric Observations of the Near-Contact Binary XZ Canis Minoris*, 2006, The Observatory, 126, 255
58. R. G. Samec, T. D. Scott, J. S. Branning, D. R. Faulkner, N. C. Hawkins, & W. Van Hamme, *GSC 1419 0091, an Extreme Mass Ratio Contact Binary*, 2006, Information Bulletin Variable Stars, No. 5697
57. R. G. Samec, T. S. Lofling, & W. Van Hamme, *BVRI CCD Observations and Analysis of the W UMa Contact Binary AR Bootis*, 2006, Information Bulletin Variable Stars, No. 5696
56. N. C. Hawkins, R. G. Samec, W. Van Hamme, & D. R. Faulkner, *UBVRI Analysis of the Eclipsing Binary V1128 Tauri*, 2005, Information Bulletin on Variable Stars, No. 5612
55. R. G. Samec, N. C. Hawkins, J. Miller, S. Jones, A. Neptune, B. Schnur, W. Van Hamme, & D. R. Faulkner, *UBVRI CCD Observations of the G-type Contact System GSC 2336 0281*, 2005, Information Bulletin on Variable Stars, No. 5610
54. R. G. Samec, N. C. Hawkins, J. Miller, S. Jones, A. Neptune, B. Schnur, W. Van Hamme, & D. R. Faulkner, *BVRI CCD Observations of the F-type Near Contact System ST Trianguli*, 2005, Information Bulletin on Variable Stars, No. 5609
53. Williamon, R. M., Van Hamme, W., Torres, G., Sowell, J. R., & Ponce, V. C., *The eclipsing binary system AR Monocerotis*, 2005, Astronomical Journal, 129, 2798
52. T. Vaccaro, & W. Van Hamme, *The OGLE TR-56 Star-Planet System*, 2005, Astrophysics and Space Science, 296, 231

51. W. Van Hamme, & R. E. Wilson, *Estimation of Light Time Effects for Close Binaries in Triple Systems*, 2005, *Astrophysics and Space Science*, 296, 121
50. R. M. Williamon, J. R. Sowell, W. Van Hamme, *Orbital Solutions and Absolute Elements of the Eclipsing Binary AY Cam*, 2004, *Astronomical Journal*, 128, 1319
49. R. Cohen, & W. Van Hamme, *Light Curve Variability in W Corvi*, 2003, *International Amateur-Professional Photoelectric Photometry Communications No. 91*, 28
48. W. Van Hamme, R. G. Samec, N. W. Gothard, R. E. Wilson, D. R. Faulkner, & R. M. Branly, *CN Andromedae: A Broken-Contact Binary?*, 2001, *Astronomical Journal*, 122, 3436
47. N. W. Gothard, W. Van Hamme, & R. G. Samec, *New Light Curves and Solutions for the Eclipsing Binaries EF Boo and CN And*, 2000, *International Amateur-Professional Photoelectric Photometry Communications*, in press
46. M. B. Lacorte, & W. Van Hamme, *δ Scuti-type Variability in the Eclipsing Binary RU Ursae Minoris*, 1999, *International Amateur-Professional Photoelectric Photometry Communication 76*, 22
45. R. E. Wilson, & W. Van Hamme, *Periodicities and Regulatory Mechanisms in β Lyrae*, 1999, *Monthly Notices Royal Astronomical Society*, 303, 736
44. Z. R. Treuer, K. Londono and W. Van Hamme, *Recent Period Changes in RW Tauri*, 1997, *International Amateur-Professional Photoelectric Photometry Communications No. 69*, 23
43. N. M. Elias II, R. E. Wilson, E. C. Olson, J. P. Aufdenberg, E. F. Guinan, M. Güdel, W. V. Van Hamme, & H. L. Stevens, *New Perspectives on AX Monocerotis*, 1997, *Astrophysical Journal*, 484, 394
42. R. M. Branly, M. E. Belfort, P. A. Friend, W. Van Hamme, & R. J. Higgins, *A New Ephemeris for ER Cep*, 1996, *Information Bulletin on Variable Stars*, No. 4374
41. R. M. Branly, R. I. Athauda, M. O. Fillingim, & W. Van Hamme, *Light Curve Solutions for Eclipsing Binaries in NGC 188*, 1996, *Astrophysics and Space Science*, 235, 149
40. W. Van Hamme, R. E. Wilson, & E. F. Guinan, *Periodic Light Curve Changes for β Lyrae*, 1995, *Astronomical Journal*, 110, 1350
39. C. Maceroni, O. Vilhu, F. Van 't Veer, W. Van Hamme, *Surface Imaging of Late-Type Contact Binaries I: AE Phoenicis and YY Eridani*, 1994, *Astronomy and Astrophysics*, 288, 529
38. W. Van Hamme, D. S. Hall, A. W. Hargrove, G. W. Henry, R. Wasson, W. S. Barksdale, S. Chang, R. E. Fried, C. L. Green, H. C. Lines, R., D. Lines, P. Nielsen, H. D. Powell, R. C. Reisenweber, C. W. Rogers, S. Shervais, & R. Tatum, *The Two Variables in the Triple System HR 6469 = V819 Her: One Eclipsing, One Spotted*, 1994, *Astronomical Journal*, 107, 1521
37. W. Van Hamme, *New Limb-Darkening Coefficients for Modeling Binary Star Light Curves*, 1993, *Astronomical Journal*, 106, 2096
36. W. Van Hamme, & R. E. Wilson, *Light Curve Solutions for S Cancri and TT Hydrae with Rapid Rotation*, 1993, *Monthly Notices of the Royal Astronomical Society*, 262, 220
35. W. Van Hamme, *The New Wilson Reflection Treatment and the Nature of BF Aurigae*, 1993, in *Light Curve Modeling of Eclipsing Binary Stars*, Ed. E. F. Milone (New York: Springer), 53
34. W. Van Hamme, *V649 Cas: A Multiple Star?*, 1992, *Publications of the Astronomical Society of the Pacific*, 104, 242

33. W. Van Hamme, & R. E. Wilson, *Rotation Statistics of Algol-type Binaries and Results on RY Geminorum, RW Monocerotis, and RW Tauri*, 1990, *Astronomical Journal*, 100, 1981
32. C. Maceroni, W. Van Hamme, & F. Van't Veer, *A Spotted Component in the Very Close Late-Type Binary System VZ Piscium*, 1990, *Astronomy and Astrophysics*, 234, 177
31. R. G. Samec, W. Van Hamme, & B. B. Bookmeyer, *Synthetic Light Curve Analysis of the Very Short Period Binaries TY Bootis, AD Cancri, and V523 Cassiopeiae*, 1989, *Astronomical Journal*, 98, 2287
30. W. Van Hamme, & J. Manfroid, *The Eclipsing Close Binary System HD 208496*, 1988, *Astronomy and Astrophysics Supplement Series*, 74, 247
29. W. Van Hamme, & R. E. Wilson, *The Asynchronously Rotating Algol Binaries U Sagittae and RY Persei*, 1986, *Astronomical Journal*, 92, 1168
28. W. Van Hamme, & R. E. Wilson, *The Restricted Four-Body Problem and ϵ Aurigae*, 1986, *Astrophysical Journal Letters*, 306, L33
27. D. vander Linden, W. Van Hamme, M. Jerzykiewicz, and C. Sterken, *Analysis of the Light Curve of the Eclipsing Close Binary System HD 149779*, 1986, *Astronomy and Astrophysics*, 167, 53
26. W. Van Hamme, & R. E. Wilson, *Close Binary Mass Anomalies and Metallicity*, 1986, *Astrophysical Journal*, 307, 151
25. W. Van Hamme, & R. E. Wilson, *A Contribution on the Problem of Empirical Masses for Contact Binaries*, 1985, *Astronomy and Astrophysics*, 152, 25
24. W. Van Hamme and R. E. Wilson, *Accuracy of Close Binary Mass Determinations from Parallaxes*, 1985, *Astrophysics and Space Science*, 110, 169
23. R. E. Wilson, W. Van Hamme, & L. E. Pettera, *RZ Scuti as a Double Contact Binary*, 1985, *Astrophysical Journal*, 289, 748
22. W. Van Hamme, & R. E. Wilson, *Simultaneous Light and Velocity Curve Solutions for AS Eridani and V1143 Cygni*, 1984, *Astronomy and Astrophysics*, 141, 1
21. W. Van Hamme, *Estimated Absolute Dimensions and the Inferred Lifetime and Angular Momentum of W Ursae Majoris Contact Binaries*, 1982, *Astronomy and Astrophysics*, 116, 27
20. W. Van Hamme, *The Period Behaviour of the Detached Close Binary System TX Herculis*, 1982, *Astronomy and Astrophysics*, 107, 409
19. W. Van Hamme, *Period Changes in Detached Close Binary Systems Due to Anisotropic Ejection of Mass*, 1982, *Astronomy and Astrophysics*, 107, 397
18. W. Van Hamme, *On the Evolutionary State of the W Ursae Majoris Contact Binaries*, 1982, *Astronomy and Astrophysics*, 105, 389
17. W. Van Hamme, *On Synchronism between Axial Rotation and Orbital Motion in Close Binary Systems*, 1979, *Astrophysics and Space Science*, 64, 239
16. W. Van Hamme, *On the Period of the Eclipsing Binary RW Persei*, 1977, *Information Bulletin on Variable Stars*, No. 1244

Conference Proceedings (peer-reviewed)

15. R. E. Wilson, W. Van Hamme, & Peters, G. J., *Binary star analysis with intrinsic pulsation*, 2020, Contributions of the Astronomical Observatory Skalnaté Pleso, 50, 552-556
14. R. E. Wilson, & W. Van Hamme, *Eclipsing Binary Modeling Advances – Recent and On the Way*, 2010, in ASP Conf. Series 435, Binaries – Key to Comprehension of the Universe, eds. A. Prša & M. Zejda (San Francisco: ASP), 45
13. R. G. Samec, E. R. Figg, R. Melton, C. M. Labadorf, J. Miller, R. McKenzie, D. R. Faulkner, W. Van Hamme, *The asymmetric light curves of GSC 2764 1417 (And), GSC 3355 0394 (Per) and GSC 2537 0520 (Psc)*, in International Astronomical Union Symposium 264, Solar and Stellar Variability: Impact on Earth and Planets, eds. A. Andrei, A. Kosovichev, & J.-P. Rozelot (Cambridge, UK: Cambridge U. Press), 75-77
12. R. G. Samec, C. M. Labadorf, E. R. Figg, T. S. Loflin, G. R. Behn, N. A. Hawkins, H. A. Chamberlain, D. R. Faulkner, & W. Van Hamme, *Extreme-mass-ratio solar-type binaries and their implications for cluster environs*, 2010, in International Astronomical Union Symposium 266, Star clusters: basic galactic building blocks throughout time and space, eds. R. de Grijs & J. R. D. Lépine (Cambridge, UK: Cambridge U. Press), 523-523
11. W. Van Hamme, & R. E. Wilson, *Expanded Bandpass List for Atmospheric Emission in Eclipsing Binary Models*, 2007, in International Astronomical Union Symposium 240, Binary Stars as Critical Tools and Tests in Contemporary Astrophysics, ed. W. I. Hartkopf, E. F. Guinan, & P. Harmanec (Cambridge: Cambridge U. Press), 211
10. W. Van Hamme, & R. E. Cohen, *The Closest of the Close: Observational and Modeling Progress*, 2007, in Short-Period Binary Stars: Observations, Analyses, and Results, ed. E. F. Milone, D. A. Leahy, & D. W. Hobill (New York: Springer), 215
9. W. Van Hamme, & R. E. Wilson, *Stellar atmospheres in eclipsing binary models*, 2003, in ASP Conference Series 298, GAIA Spectroscopy, Science and Technology, ed. U. Munari (San Francisco: ASP), 32
8. R. M. Branly, & W. Van Hamme *Light Curve Changes in AH Cancri*, 2002, in ASP Conference Series 279, Exotic Stars as Challenges to Evolution, ed. C. A. Tout & W. Van Hamme (San Francisco: ASP), 329
7. W. Van Hamme, & R. E. Wilson, *Fluorescence Model for AG Draconis*, 2002, in ASP Conference Series 279, Exotic Stars as Challenges to Evolution, ed. C. A. Tout & W. Van Hamme (San Francisco: ASP), 161
6. W. Van Hamme, R. E. Wilson, & R. M. Branly, *Multiple Probes of the AS Cam Dynamical Problem*, 2002, in ASP Conference Series 279, Exotic Stars as Challenges to Evolution, eds. C. A. Tout & W. Van Hamme (San Francisco: ASP), 155
5. W. Van Hamme, & R. E. Wilson, *Radial Velocity Proximity Effects for Selected Examples*, 1998, in New Generation Modeling Developments and Results for Binary Stars, ed. E. F. Milone, University of Calgary, www.ucalgary.ca/~milone/AAS97/index.html
4. R. M. Branly, R. I. Athauda, M. O. Fillingim, & W. Van Hamme, *The Distance Modulus of NGC 188 inferred from Eclipsing Binary Light Curve Solutions*, 1996, in ASP Conf. Ser. 90, The Origins, Evolution, and Destinies of Binary Stars in Clusters, eds. E. F. Milone & J.-C. Mermilliod (San Francisco: ASP), 491
3. W. Van Hamme, R. E. Wilson, *Binary Star Radial Velocities Weighted by Line Strength*, 1994, Memorie della Società Astronomica Italiana, 65, 89

2. W. Van Hamme and R. E. Wilson, *The Continuing Search for Double Contact Binaries: RY Persei and U Sagittae*, 1988, in *Critical Observations vs. Physical Models for Close Binary Systems*, ed. K. C. Leung (New York: Gordon and Breach), 215
1. W. Van Hamme, *Some Aspects of the Evolutionary Status of W Ursae Majoris Binaries Deduced from Observational Data*, 1982, in *Binary and Multiple Stars as Tracers of Stellar Evolution*, eds. Z. Kopal & J. Rahe (Dordrecht: Reidel), 301

Other Publications

R. E. Wilson, W. Van Hamme, *Computing Binary Stars Observables*, 2003, Monograph available at the FTP site [ftp.astro.ufl.edu](ftp://ftp.astro.ufl.edu), directory `pub/wilson/`, or at <http://faculty.fiu.edu/~vanhamme/lcdc/>; includes updated versions 2007, 2010, 2013, 2015, 2016

Invited Conference Presentations

- 2009, Binaries – Key to Comprehension of the Universe, Brno, Czech Republic
- 2006, Short-Period Binary Stars: Observations, Analyses, and Results, at the 208th Meeting of the American Astronomical Society, Calgary, Canada
- 2004, Zdeněk Kopal's Binary Star Legacy conference, Litomyšl, Czech Republic
- 1997, Binary Stars: New Generation Modeling Developments & Results, topical session at the 190th meeting of the American Astronomical Society, Winston-Salem, NC
- 1991 General Assembly of the International Astronomical Union, Buenos Aires, Argentina
- 1990 Space Research Symposium, Florida Institute of Technology, Melbourne, Florida

Conference Abstracts

58 abstracts to date

Books Edited

- C. A. Tout & W. Van Hamme, 2002, *Exotic Stars as Challenges to Evolution*, IAU Colloquium 187 Proceedings, ASP Conference Series Volume 279, San Francisco: Astronomical Society of the Pacific

Professional Service

- Guest Editor, special issue *What's New under the Binary Suns in Galaxies*, an open-access journal by MDPI, 2021-22
- Member, Internal Advisory Board, FIU/NSF Advance Institutional Transformation grant, 2017-present
- Member, Board of Directors, FIU Academic Health Center, Health Care Network Faculty Group Practice, Inc., 2016-present
- Editor-in-Chief of *Bibliography of Close Binaries*, IAU Commission G1 (formerly Commission 42) semi-annual monograph, 2016-present
- Member, Internal Advisory Board, FIU Department of Physics/NSF S-STEM grant, 2015-present

Co-editor of *Bibliography of Close Binaries*, IAU Commission 42 semi-annual monograph, 2003-2016

Grant proposal reviewer for the *National Science Foundation*, the *Natural Sciences and Engineering Research Council of Canada*, the *National Science Centre of Poland*

Reviewer of papers for *The Astrophysical Journal*, *The Astronomical Journal*, *Monthly Notices of the Royal Astronomical Society*, *Publications of the Astronomical Society of the Pacific*, *Astronomy and Astrophysics*, *Astronomische Nachrichten*, *Publications of the Astronomical Society of Japan*

Awards/Honors

2016-present, CASE Dean Designee, Board of Directors, FIU Research Foundation

2006, 2009, FIU Operational Excellence Award

2002, LOC Chair, SOC Member, IAU Colloquium 187, *Exotic Stars as Challenges to Evolution*

1998, FIU Excellence in Teaching Award

1994, Florida State University System Teaching Incentive Program Award

1990, FIU Outstanding Achievement and Performance Award

1982-1984, Fulbright/Hayes Scholar, University of Florida

1979, France-Belgium Cultural Accords Research Fellowship, Institut d'Astrophysique, Paris

Professional Society Memberships

Astronomical Society of the Pacific, since 1984

American Astronomical Society, since 1983

International Astronomical Union, since 1979

Research Funding

Grants (PI or co-PI)

12. 2007-10, co-PI, PhysTec: Primary Partner Institution Proposal, American Physical Society, \$289,930

11. 2002, IAU Colloquium 187 misc. LOC funds, \$22,300

10. 1999, Summer Research Grant, FIU Provost Office, \$13,215

9. 1998, Theodore Dunham Fund for Astrophysical Research, equipment grant, \$2,240

8. 1992-1995, NASA/FIU Joint Venture (JOVE) grant, \$437,382

7. 1991, NASA (AAS) travel grant, \$1,281

6. 1991, co-PI Florida Space Grant Consortium, \$8,330

5. 1989, Research Grant, Consiglio Nazionale delle Ricerche (CNR), Italy, Osservatorio Astronomico di Roma, LIT 2,000,000

4. 1989, Summer Research Grant, FIU Provost Office, \$7,437
3. 1987-1988, Grant for Travel between Southeastern Campuses, Southern Regional Education Board, \$732
2. 1987, Research and Productive Scholarship Grant, University of South Carolina, \$1,500
1. 1987, Small Research Grant, American Astronomical Society, \$1,200

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