

## Curriculum Vitae

Notarization. I have read the following and certify that this *curriculum vitae* is a current and accurate statement of my professional record.

Signature Sylvain Veilleux Date 03/12/20

- **Please organize your CV using the headings and sub-headings in this template.**
- **In general, do not list a work or activity more than once.**
- **Certain sections with numerous sub-categories include a special sub-category for Historical data in which you can group, for convenience, all items from 10+ years ago.**

### **I. Personal Information**

#### I.A. UID, Last Name, First Name, Middle Name, Contact Information

*Include mailing address, email, URL*

- UID: 104987658
- Last name: Veilleux
- First name: Sylvain
- Mailing address: Department of Astronomy, Physical Science Complex, Stadium Drive, University of Maryland, College Park 20742 USA
- Email: [veilleux@astro.umd.edu](mailto:veilleux@astro.umd.edu)
- URL: <http://www.astro.umd.edu/~veilleux>

#### I.B. Academic Appointments at UMD

*Include specific dates*

- 07/01/2005 – present Professor
- 07/01/2003 – present Optical Director
- 07/01/2000 – 06/30/2005 Associate Professor
- 07/01/1995 – 06/30/2000 Assistant Professor

#### I.C. Administrative Appointments at UMD

*Include specific dates*

#### I.D. Other Employment

*Include specific dates*

- 12/01/2019 – ... Clare Hall Lifetime Membership, U. Cambridge, U.K.
- 02/01/2009 – ... Visiting Professor, MPE, Germany.
- 01/01/2019 – 08/15/2019 Sackler Distinguished Visitor, Institute of Astronomy, U.K.
- 01/01/2019 – 08/15/2019 Kavli Lecturer, Kavli Institute for Cosmology, Cambridge (KICC), U.K.
- 01/01/2019 – 08/15/2019 Clare Hall Visiting Fellow, U. Cambridge, U.K.
- 01/01/2015 – 06/30/2015 Guggenheim Fellow, U. of Maryland
- 09/01/2012 – 12/31/2012 Humboldt Research Awardee (renewed), MPE, Germany
- 01/01/2012 – 08/31/2012 Senior NPP Fellow, NASA, GSFC

- 02/01/2009 – 08/31/2009 Humboldt Research Awardee, MPE, Germany
- 01/01/2003 – 12/31/2003 Visiting Professor, California Institute of Technology
- 01/01/2003 – 12/31/2003 Visiting Research Fellow, Carnegie Observatories

### I.E. Educational Background

*Include dates, degrees, and institutions*

- 1984 B. Sc. (physics) University of Montreal
- 1986 M. S. (astrophysics) University of California, Santa Cruz
- 1989 Ph.D. (astrophysics) University of California, Santa Cruz

### I.F. Professional Certifications and Licenses

## **II. Research, Scholarly and Creative Activities**

*For each of the categories listed below follow these guidelines:*

- *List published works first, in either chronological order or its inverse, followed (or preceded) by works not yet published but accepted for publication.*
- *If pre-print electronic publication (epub) exists, indicate and include URL and anticipated date of print publication.*
- *Submitted works under review or in progress should be listed in section II.L.*
- *Include page numbers as part of a complete citation for publications.*
- *Use the appropriate sub-headings for authored vs. edited works and between refereed vs. non-refereed outlets.*
- *All authors should be listed in the order they appear on the publication.*
- *When the work is a product of a large group (more than 10 authors), not all authors need be listed. As an example, the first three, the last three, and the individual him/herself (including his/her place in the total author list) may be listed.*

### II.A. Books (include full citation information and ISBN)

- II.A.1. Books Authored (*specify original or revised edition*)
- II.A.2. Books Edited
- II.A.3. Books Translated (*as translator*)
- II.A.4. Textbooks
- II.A.5. Major Reference Works
- II.A.6. Exhibition Catalogs
- II.A.7. Other

### II.B. Chapters

#### II.B.1. Books

1. Cecil, G., Bland-Hawthorn, J., & Veilleux, S. 2000, "The Lives of Quasars" in Scientific American: Book of the Cosmos, Chap. 2, pp. 49–56 (Macmillan: New York), ed. D. Levy.
2. Veilleux, S., Cecil, G.N., & Bland-Hawthorn, J. 2000, "Colossal Galactic Explosions", in Scientific American: Book of the Cosmos, Chap. 3, pp. 83–90 (Macmillan: New York), ed. D. Levy.

#### II.B.2. Collections

#### II.B.3. Encyclopedia

#### II.B.4. Series

#### II.B.5. Research Paper

#### II.B.6. Other

1. Veilleux, S., Cecil, G., & Bland-Hawthorn, J. 1996, “Colossal Galactic Explosions”, *Scientific American*, 274, 98–103.
2. Veilleux, S., Cecil, G., & Bland-Hawthorn, J. 1998, “Colossal Galactic Explosions”, *Scientific American Presents*, 9, 74–79.
3. Veilleux, S. 1999, “Turbulence in a Nearby Twin”, *Sky and Telescope*, Vol. 98, No. 3, 56–56.
4. Veilleux, S., Cecil, G., & Bland-Hawthorn, J. 2007, “Colossal Galactic Explosions”, *Scientific American (Special Issue on Black Holes)*, (March 2007).

#### II.C. Articles in Refereed Journals

*Full citation, inclusive of all authors in the order of publication and page numbers. Review articles and invited articles should be so identified. Optional: include DOI.*

1. Wesemael, F., Veilleux, S., Lamontagne, R., Fontaine, G., and Holberg, J. B., 1985, “Studies of Hot B Subdwarfs. II. Energy Distribution of three Bright sdB/sdOB Stars in the 950-5500 Å range”, *Ap. J.*, 298, 859–866.
2. Osterbrock, D. E., & Veilleux, S. 1986, “Spectral Classification of Emission-line Galaxies”, *Pub. A. S. P.*, 98, 1106–1106
3. Veilleux, S., and Osterbrock, D. E. 1987, “Spectral Classification of Emission-line Galaxies”, *Ap. J. Suppl.*, 63, 295–310
4. Veilleux, S. 1988, “A Search for Variations of [Fe X]  $\lambda$ 6375 and [Fe VII]  $\lambda$ 6087 in High-ionization Seyfert Galaxies”, *A. J.*, 95, 1695–1705.
5. Goodrich, R. W., and Veilleux, S. 1988, “Reduction of Hamilton Echelle Data at Lick Observatory”, *Publ. A.S.P.*, 100, 1572–1581.
6. Mathews, W. G., and Veilleux, S. 1989, “Stability of Narrow Emission line Clouds in Active Galactic Nuclei” with W. G. Mathews, *Ap. J.*, 336, 93–102.
7. Osterbrock, D. E., Shaw, R. A., and Veilleux, S. 1990, “Near-Infrared Emission- line Spectra of the Orion Nebula, NGC 4151, and Other Seyfert Galaxies”, *Ap. J.*, 352, 561–573.
8. Veilleux, S. 1991, “A Study of the Structure and Kinematics of the Narrow-Line Region of Seyfert Galaxies. I. Atlas of Line Profiles ”, *Ap. J. Suppl.*, 75, 357–381.
9. Veilleux, S. 1991, “A Study of the Structure and Kinematics of the Narrow-Line Region of Seyfert Galaxies. II. Analysis of Line Profile Parameters ”, *Ap. J. Suppl.*, 75, 383–406.
10. Veilleux, S. 1991, “A Study of the Structure and Kinematics of the Narrow-Line Region of Seyfert Galaxies. III. Individual Objects ”, *Ap. J.*, 369, 331–363.
11. Veilleux, S. 1991, “The Line-Emitting Regions of the Exceptional Seyfert Galaxy Mrk 359”, *Ap. J.*, 368, 158–166.
12. Peterson, B. M., Balonek, T. J., Barker, E. S., et al. 1991, “Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. II. An Intensive Study of NGC 5548 at Optical Wavelengths”, *Ap. J.*, 368, 119–137.
13. Veilleux, S., and Zheng, W. 1991, “Unique Broad-Line Profile Variations in the Radio Galaxy 3C 390.3”, *Ap. J.*, 377, 89–99.
14. Zheng, W., Veilleux, S., and Grandi, S. A. 1991, “3C 390.3: Modeling Variable Profile Humps”, *Ap. J.*, 381, 418–425.
15. Osterbrock, D. E., Tran, H. D., and Veilleux, S. 1992, “Near-Infrared Spectra and Classification Diagnostics of Seyfert Galaxies”, *Ap. J.*, 389, 196–207.
16. Osterbrock, D. E., Tran, H. D., and Veilleux, S. 1992, “Faint Emission Lines in the Spectrum of the Orion Nebula and the Abundances of Some of the Rarer Elements”, *Ap. J.*, 389, 305–324.

17. Veilleux, S., Tully, R. B., & Bland-Hawthorn, J. 1993, "On the Origin of the Z-Shaped Narrow Line Region in the Seyfert Galaxy NGC 3516", *A. J.*, 105, 1318–1332.
18. Dietrich, M., Kollatschny, W., Peterson, B. M., et al. 1993, "Steps Toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. IV. Intensity Variations of the Optical Emission Lines of NGC 5548.", *Ap. J.*, 408, 416–427.
19. Veilleux, S. 1993, "The Line-Emitting Gas in Active Galaxies: A Probe of the Nuclear Engine", *Pub. A. S. P.*, 105, 1038–1042.
20. Veilleux, S. 1993, "Luminous Infrared Galaxies: AGN or Starbursts?", *Rev. Mexicana Astron. Ap.*, 27, 65–72.
21. Goodrich, R. W., Veilleux, S., & Hill, G. J. 1994, "Infrared Spectroscopy of Seyfert 2s: A Look through the Obscuring Torus?", *Ap. J.*, 422, 521–536.
22. Veilleux, S., Cecil, G., Bland-Hawthorn, J., Tully, R. B., Filippenko, A. V., & Sargent, W. L. W. 1994, "The Nuclear Superbubble of NGC 3079", *Ap. J.*, 433, 48–64.
23. Bland-Hawthorn, J., Taylor, K., Veilleux, S., & Shopbell, P. L. 1994, "A Search for Diffuse H $\alpha$  Emission from Ly $\alpha$  Absorption clouds towards 3C 273", *Ap. J. (Letters)*, 437, L95–L98.
24. Wells, L. A., Phillips, M. M., Suntzeff, B., et al. 1994, "The Type Ia Supernova 1989B in NGC 3627 (M 66)", *A. J.*, 108, 2233–2250.
25. Korista, K. T., Alloin, D., Barr, P., et al. 1995, "Steps toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. VII. An Intensive HST, IUE, and Ground-Based Study of NGC 5548", *Ap. J.*, 97, 285–330.
26. Kim, D.-C., Sanders, D. B., Veilleux, S., Mazzarella, J. M., & Soifer T. M. 1995, "Optical Spectroscopy of Luminous Infrared Galaxies. I. Nuclear Data", *Ap. J. Suppl.*, 98, 129–170.
27. Veilleux, S., Kim, D.-C., & Sanders, D. B., Mazzarella, J. M., & Soifer T. M. 1995, "Optical Spectroscopy of Luminous Infrared Galaxies. II. Analysis of the Nuclear and Long-Slit Data", *Ap. J. Suppl.*, 98, 171–217.
28. Veilleux, S., Cecil, G., & Bland-Hawthorn, J. 1995, "The Interstellar Disk-Halo Connection in the Spiral Galaxy NGC 3079", *Ap. J.*, 445, 152–160.
29. Cecil, G., Morse, J. A., & Veilleux, S. 1995, "Spectral Evidence for Shock Ionized Gas Along the Jets of NGC 4258", *Ap. J.*, 452, 613–626.
30. Meikle, W. P. S., Cumming, R. J., Geballe, T. R., et al. 1996, "An early-time infrared and optical study of the Type IA supernovae SN 1994D and 1991T," *M. N. R. A. S.*, 281, 263–280.
31. Veilleux, S., Goodrich, R. W., & Hill, G. 1997, "Infrared Spectroscopy of Seyfert 2s: A Look through the Obscuring Torus? Part II", *Ap. J.*, 477, 631–660.
32. Veilleux, S., & Bland-Hawthorn, J. 1997, "Artillery Shells over Circinus", *Ap. J. (Letters)*, 479, L105–L108.
33. Veilleux, S., Sanders, D. B., & Kim, D.-C. 1997, "A Near-Infrared Search for Hidden Broad-Line Regions in Ultraluminous Infrared Galaxies", *Ap. J.*, 484, 92–107.
34. Surace, J., Sanders, D. B., Veilleux, S., & Mazzarella, J. M. 1998, "HST/WFPC2 Observations of Warm Ultraluminous Infrared Galaxies", *Ap. J.*, 492, 116–136.
35. Colbert, E. J. M., Baum, S. A., O'Dea, C. P., & Veilleux, S. 1998, "Large-Scale Outflows in Edge-On Seyfert Galaxies. III. Kiloparsec-Scale Soft X-ray Emission", *Ap. J.*, 496, 786–796.
36. Groot, P. J., Galama, T. J., Vreeswijk, P. M., et al. 1998, "The Rapid Decay of the Optical Emission from GRB 980326 and its Possible Implications", *Ap. J. (Letters)*, 502, L123–L127.
37. Bland-Hawthorn, J., Veilleux, S., Cecil, G. N., Putman, M. E., Gibson, B. K., & Maloney, P. R. 1998, "The Smith Cloud: HI associated with the Sgr Dwarf?", *M.N.R.A.S.*, 299, 611–624.
38. Kim, D.-C., Veilleux, S., & Sanders, D. B. 1998, "The IRAS 1 Jy Sample of Ultraluminous Infrared Galaxies: II. Optical Spectroscopy", *Ap. J.*, 508, 627–647.
39. Lutz, D., Veilleux, S., & Genzel, R. 1999, "Mid-Infrared and Optical Spectroscopy of Ultraluminous Infrared Galaxies: A Comparison", *Ap. J. (Letters)*, 517, L13–L17
40. Veilleux, S., Bland-Hawthorn, J., Cecil, G., Tully, R. B., & Miller, S. T. 1999, "Galactic-Scale Outflow and Supersonic Ram-Pressure Stripping in the Virgo Cluster Galaxy NGC 4388", *Ap. J.*

- 520, 111–123.
41. Veilleux, S., Kim, D.-C., & Sanders, D. B. 1999, “Optical Spectroscopy of the IRAS 1 Jy Sample of Ultraluminous Infrared Galaxies”, *Ap. J.*, 522, 113–138.
  42. Veilleux, S., Sanders, D. B., & Kim, D.-C. 1999, “New Results from a Near-Infrared Search for Hidden Broad-Line Regions in Ultraluminous Infrared Galaxies”, *Ap. J.*, 522, 139–156.
  43. Shopbell, P. L., Veilleux, S., and Bland-Hawthorn, J. 1999, “A Very Extended Ionized Nebula around the Quasar MR2251-178”, *Ap. J. (Letters)*, 524, L83–L86.
  44. Veilleux, S., Bland-Hawthorn, J., & Cecil, G. 1999 “A Kinematic Link between Boxy Bulges, Stellar Bars, and Nuclear Activity in NGC 3079 and NGC 4388”, *A. J.*, 118, 2108–2122.
  45. Riess, A. G., Nugent, P. E., Gilliland, R. L., et al. 2001, “The Farthest Known Supernova: Support for an Accelerating Universe and a Glimpse of the Epoch of Deceleration”, *Ap. J.*, 560, 49–71.
  46. Cecil, G., Veilleux, S., Bland-Hawthorn, J., & Filippenko, A. V. 2001, “Jet- and Wind-Driven Ionized Outflows in the Superbubble and Star-Forming Disk of NGC 3079”, *Ap. J.*, 555, 338–355.
  47. Fassia, A., Meikle, W. P. S., Chugai, N., et al. 2001, “Optical and Infrared Spectroscopy of the Type II SN 1998S: days 3-127”, *MNRAS*, 325, 907–930.
  48. Veilleux, S., Shopbell, P. L., & Miller, S. T. 2001, “The Biconical Outflow in the Seyfert Galaxy NGC 2992”, *AJ*, 121, 198–209.
  49. Weymann, R. J., Vogel, S. N., Veilleux, S., & Epps, H. W. 2001, “A New Observational Limit to the Low-Redshift Ionizing Background Radiation”, *ApJ*, 561, 559-572.
  50. Rupke, D. S., Veilleux, S., & Sanders, D. B. 2002, “Keck Absorption-Line Spectroscopy of Galactic Winds in Ultraluminous Infrared Galaxies”, *Ap. J.*, 570, 588–609.
  51. Veilleux, S., & Rupke, D. S. 2002, “Identification of Galactic Wind Candidates using Excitation Maps: Tunable-Filter Discovery of a Shock-Excited Wind in the Galaxy NGC 1482”, *Ap. J.*, 565, L63–L66.
  52. Ajiki, M., Taniguchi, Y., Murayama, T., et al. 2002, “A New High-Redshift Lyman- $\alpha$  Emitter: Possible Superwind Galaxy at  $z = 5.69$ ”, *Ap. J.*, 576, L25–L28.
  53. Cecil, G., Bland-Hawthorn, J., & Veilleux, S. 2002, “Tightly Correlated X-ray/H $\alpha$  Emitting Filaments in the Superbubble and Large-Scale Superwind of NGC 3079”, *Ap. J.*, 576, 745–752.
  54. Kim, D.-C., Veilleux, S., & Sanders, D. B. 2002, “Optical and Near-Infrared Imaging of the IRAS 1-Jy Sample of Ultraluminous Infrared Galaxies. I. The Data”, *Ap. J. Suppl.*, 143, 277–314.
  55. Veilleux, S., Kim, D.-C., & Sanders, D. B. 2002, “Optical and Near-Infrared Imaging of the IRAS 1-Jy Sample of Ultraluminous Infrared Galaxies. II. The Analysis”, *Ap. J. Suppl.*, 143, 315–376.
  56. Taniguchi, Y., Ajiki, M., Murayama, T., et al. 2003, “The Discovery of a Very Narrow Line Star-forming Object at a Redshift of 5.66”, *Ap. J. (Letters)*, 585, L97–L100.
  57. Miller, S. T., & Veilleux, S. 2003, “Extraplanar Emission-Line Gas in Edge-On Spiral Galaxies. I. Deep Emission-Line Imaging”, *Ap. J. Suppl.*, 148, 383–417.
  58. Miller, S. T., & Veilleux, S. 2003, “Extraplanar Emission-Line Gas in Edge-On Spiral Galaxies. II. Long-Slit Spectroscopy”, *Ap. J.* 592, 79–110.
  59. Nagar, N. M., Wilson, A. S., Falcke, H., Veilleux, S., & Maiolino, R. 2003, “The AGN content of ultraluminous IR galaxies: High resolution VLA imaging of the IRAS 1 Jy ULIRG sample”, *A&A*, 409, 115–121.
  60. Putman, M. E., Bland-Hawthorn, J., Veilleux, S., Gibson, B. K., Freeman, K. C., & Maloney, P. R. 2003, “H $\alpha$  Emission from High-Velocity Clouds and Their Distances”, *Ap. J.*, 597, 948–956.
  61. Yun, M. S., Oyabu, S., Kawara, K., et al. 2003, “Radio and FIR Sources in the Lockman Hole ISOPHOT Survey Field”, *RMxAC*, 17, 271–271.
  62. Veilleux, S., Shopbell, P. L., Rupke, D. S., Bland-Hawthorn, J., & Cecil, G. 2003, “A Search for Very Extended Ionized Gas in Nearby Starburst and Active Galaxies”, *A. J.*, 126, 2185–2208.
  63. Veilleux, S., & Rupke, D. S. 2004, “Galactic Winds and the Missing Baryons”, *Pub. A.S.A.*, 21, 393–395.
  64. Veilleux, S., Cecil, G., & Bland-Hawthorn, J. 2005, “Galactic Winds”, *A.R.A.A.*, 43, 769-826.
  65. Farrah, D., Surace, J. A., Veilleux, S., Sanders, D. B., & Vacca, W. 2005, ”Space Telescope

- Imaging Spectrograph Ultraviolet/Optical Spectroscopy of Warm Ultraluminous Infrared Galaxies”, *Ap. J.*, 626, 70-88.
66. Rupke, D. S., Veilleux, S., & Sanders, D. B. 2005a, “Outflows in Infrared- Luminous Starbursts at  $z < 0.5$ . I. Sample, Na I D Spectra, and Profile Fitting. ”, *Ap. J. (Suppl.)*, 160, 87-114.
  67. Rupke, D. S., Veilleux, S., & Sanders, D. B. 2005b, “Outflows in Infrared-Luminous Starbursts at  $z < 0.5$ . II. Analysis and Discussion”, *Ap. J. (Suppl.)*, 160, 115-148.
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  69. Rupke, D. S., & Veilleux, S. 2005, “Keck High-Resolution Spectroscopy of Outflows in Infrared-luminous Galaxies”, *Ap. J. (Letters)*, 631, L37-L40.
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  71. Teng, S., Wilson, A. S., Veilleux, S., Young, A. J., Sanders, D. B., & Nagar, N. M. 2005, “A Chandra X-Ray Survey of Ultraluminous Infrared Galaxies”, *Ap. J.*, 633, 664-679.
  72. Oyabu, S., Yun, M. S., Murayama, T., Sanders, D. B., Kawara, K., Taniguchi, Y., Veilleux, S., et al. 2005, “Optical Identification of ISO far-infrared sources in the Lockman Hole using a deep VLA 1.4 GHz continuum survey”, *A. J.*, 130, 2019-2042.
  73. Sturm, E., Schweitzer, M., Lutz, D., et al. 2005, “Silicate Emissions in Active Galaxies: From LINERs to QSOs”, *Ap. L. (Letters)*, 629, L21-L23.
  74. Dasyra, K. M., Tacconi, L. J., Davies, R. I., et al. 2006, “Dynamical Properties of Ultraluminous Infrared Galaxies. I. Mass Ratio Conditions for ULIRG Activity in Interacting Pairs.”, *Ap. J.*, 638, 745-758.
  75. Veilleux, S., Kim, D.-C., Peng, C. Y., et al. 2006, “A Deep Hubble Space Telescope H-band Imaging Survey of Massive Gas-Rich Mergers”, *Ap. J.*, 643, 707-723.
  76. Dasyra, K. M., Tacconi, L. J., Davies, R. I., et al. 2006, “Dynamical Properties of Ultraluminous Infrared Galaxies. II. Tracing the Evolution of the stellar kinematics during the Ultraluminous phases(s) of local mergers”, *Ap. J.*, 651, 835-852.
  77. Mazzuca, L. M., Sarzi, M., Knapen, J. H., Veilleux, S., & Swaters, R. 2006, “Minor Merger Origin for the Circumnuclear Starburst in NGC 7742”, *Ap. J.*, 649, L79-L82.
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  79. Sturm, E., Rupke, D., Contursi, A., et al. 2006, “Mid-Infrared Diagnostics of LINERs”, *Ap. J.*, 653, L13-L16.
  80. Dasyra, K. M., Tacconi, L. J., Davies, R. I., Genzel, R., Lutz, D., Naab, T., Sanders, D. B., Veilleux, S., & Baker, A. J. 2006, “Probing for evolutionary links between ULIRGs and QSOs using NIR spectroscopy”, *New Astronomy Review*, 50, 720-724.
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  84. Lutz, D., Sturm, E., Tacconi, L. J., Valiante, E., Schweitzer, M., Netzer, H., Maiolino, R., Andreani, P., Shemmer, O., & Veilleux, S. 2007, “PAH Emission and Star Formation in the Host of the  $z \sim 2.56$  Cloverleaf QSO”, *Ap. J.*, 661, L25-L28.
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87. Bland-Hawthorn, J., Veilleux, S., & Cecil, G. 2007, "Galactic winds: a short review", *Ap&SS*, 311, 87-98.
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90. Mazzuca, L. M., Knapen, J. H., Veilleux, S., & Regan, M. W. 2008, "A Connection between Star Formation in Nuclear Rings and Their Host Galaxies", *Ap. J. Suppl.*, 174, 337-365.
91. Schweitzer, M., Groves, B., Netzer, H., et al. 2008, "Extended Silicate Dust Emission in PG QSOs", *Ap. J.*, 679, 101-117.
92. Lutz, D., Sturm, E., Tacconi, L. J., et al. 2008, "Star Formation in the Hosts of High-z QSOs: Evidence from Spitzer PAH Detection", *Ap. J.*, 684, 853-861.
93. Veilleux, S. 2008, "AGN Host Galaxies", presented at the August 2007 VLTI Summer School on "Active Galactic Nuclei at the highest resolution: Theory and Observation" in Torun, Poland, *New Astronomy Reviews*, 52, 289-306. (4 invited lectures, refereed)
94. Teng, S. H., Veilleux, S., Anabuki, N., et al. 2009, "Suzaku Observations of Local Ultraluminous Infrared Galaxies", *Ap. J.*, 691, 261-276.
95. Veilleux, S., Rupke, D. S. N., Kim, D.-C., et al. 2009, "Spitzer Quasar and ULIRG Evolution Study (QUEST). IV. Comparison of 1-Jy Ultraluminous Infrared Galaxies with Palomar-Green Quasars", *Ap. J. Suppl.*, 182, 628-666.
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97. Veilleux, S., Rupke, D. S. N., & Swaters, R. 2009, "Warm Molecular Hydrogen in the Galactic Wind of M82", *Ap. J. Letters*, 700, L149-L153.
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## II.D. Published Conference Proceedings

### II.D.1. Refereed Conference Proceedings (first-author, invited)

1. Veilleux, S. 1999, “Highlights: Optical/NIR Spectroscopy of Ultraluminous Infrared Galaxies”, review presented at the Ringberg Meeting on Ultraluminous Infrared Galaxies: Monsters or Babies?, *Ap&SS*, 67–72. (invited review paper)
2. Veilleux, S., Cecil, G., Bland-Hawthorn, J., & Shopbell, P. L. 2002, “New Results from a Survey of Galactic Outflows in Nearby Active Galactic Nuclei”, *RMxAC*, 13, 222–229 (invited paper)
3. Veilleux, S. 2005, “Extragalactic Science with Tunable Filters”, presented at II International Workshop on Science with the GTC: Science with GTC 1st-light Instruments and the LMT, Ed. J. J. Gonzalez, *RMxAC*, 24, 70–77 (invited review paper)
4. Veilleux, S. 2008, “AGN Host Galaxies”, presented at the August 2007 VLTI Summer School on “Active Galactic Nuclei at the highest resolution: Theory and Observation” in Torun, Poland, *New Astronomy Reviews*, 52, 289-306 (invited lectures)
5. Veilleux, S. 2012, “The Latest Results from QUEST, the Quasar and ULIRG Evolution Study”, at the Astronomy at High Angular Resolution’ (AHAR11) conference on “The Central kiloparsec in galactic nuclei” in Bad Honnef, Germany, *Journal of Physics*, vol. 372, 012001-8 (invited review paper)

### II.D.2. Non-Refereed Conference Proceedings (first-author invited)

1. Veilleux, S., & Cecil, G. 1995, “HIFI Survey of Emission-Line Galaxies: Recent Results on the Nuclear Superbubble of NGC 3079”, *IAU Colloquium 149: Tridi-mensional Optical Spectroscopic*

- Methods in Astrophysics, ed. G. Comte and M. Marcelin, 113–118. (invited paper)
2. Veilleux, S. 1997, “A Near-Infrared Search for Hidden Broad-Line Regions in Ultraluminous Infrared Galaxies”, in *Extragalactic Astronomy in the Infrared*, XVIIth Moriond Astrophysics Meeting, eds. G. Mamon, T. X. Thuan, and J. T. Thanh, 311–320. (invited review paper)
  3. Veilleux, S. 1997, “Spectroscopy of Luminous Infrared Galaxies”, in proceedings to IAU Symposium #186, *Galaxy Interactions at Low and High Redshift*, eds. D. B. Sanders and J. Barnes, 295–302. (invited paper)
  4. Veilleux, S. 2000, “Fabry-Perot Imaging Spectroscopy of Starburst and AGN Winds”, review presented at the Walnut Creek meeting on *Imaging the Universe in Three Dimensions*, eds. W. van Breugel and J. Bland-Hawthorn, 277–286. (invited review paper)
  5. Veilleux, S. 2000, *The Starburst-AGN Connection*, proceedings of the Ringberg Meeting on *Starburst Galaxies: Near and Far* held in September 2000, eds. L. Tacconi and D. Lutz, 88–94 (invited discussion paper)
  6. Veilleux, S. 2000, *Fabry-Perot Imaging Spectroscopy of Starburst and AGN Winds*, in *Imaging the Universe in Three Dimensions*, eds. W. van Breugel and J. Bland-Hawthorn, 277–286 (invited review paper)
  7. Veilleux, S. 2001, “Spectroscopic Diagnostics for AGNs”, proceedings of IAU Colloquium #184 “AGN Surveys” held at the Byurakan Observatory, Armenia in June 2001, 111–126 (invited review paper)
  8. Veilleux, S. 2002, “Warm Ionized Gas on the Outskirts of Active and Normal Galaxies”, proceedings of workshop on *Extragalactic Gas at Low Redshift*, eds. J. S. Mulchaey and J. T. Stocke, ASP Conf. Ser. Vol. 254, 313–322 (invited paper)
  9. Veilleux, S. 2002, “Fabry-Perot Survey of Emission-Line Galaxies”, proceedings of *Galaxies: The Third Dimension*, eds. M. Rosada, L. Binette, & L. Arias, ASP Conf. Series, 282, 293–304 (invited review paper)
  10. Veilleux, S. 2003, “The AGN Paradigm: The Radio-Quiet Objects”, in *Active Galactic Nuclei: from Central Engine to Host Galaxy*, meeting held in Meudon, France, July 23-27, 2002, Eds.: S. Collin, F. Combes and I. Shlosman. ASP Conference Series, 11–22 (invited keynote review paper)
  11. Veilleux, S. 2003, “Galactic Winds: Near and Far”, presented at “Neutral ISM in Starburst Galaxies”, a conference held in Marstrand, Sweden, eds. S. Aalto, S. Huttemeister, and A. Pedlar, ASP Conf. Series, 320, 277–285 (invited review paper; astro-ph/0309119)
  12. Veilleux, S. 2003, “Multiwavelength Observations of Galactic Winds: Near and Far”, presented at IAU Symposium #217, *Recycling Intergalactic and Interstellar Matter*, eds. P.-A. Duc, J. Braine, and E. Brinks, IAU Symposium Series, Vol. 217, 276–286 (invited review paper)
  13. Veilleux, S. & Rupke, D. S. 2003, “Galactic Winds and the Missing Baryons”, *Pub. A. S. A.*, 21, 394-399 (invited paper presented at the Tullyfest in honor of R. B. Tully 60th Anniversary)
  14. Veilleux, S. 2003, “Unification of Radio-Quiet AGNs: Successes and Failures”, presented at the 2003 Guillermo Haro Conference on Multiwavelength AGN Surveys, Eds. R. Maiolino and R. G. Mujica, 204–212. (invited review paper)
  15. Veilleux, S. & Rupke, D. S. 2005, “Galactic Winds in Starburst and Active Galaxies”, presented at the 2004 Dwingeloo meeting on *Extra-planar Gas*, ed. R. Braun, ASP, 331, 313–321. (invited review paper)
  16. Veilleux, S. 2006, “The Hosts and Environments of Local Ultraluminous Infrared Galaxies and Quasars”, *New Astronomy Reviews*, Vol. 50, 701-707, presented at the August 2005 International workshop on *QSO Hosts and Environments* at the Lorentz Center in Leiden, Netherlands (invited review paper)
  17. Veilleux, S. 2006, “Local Ultraluminous Infrared Galaxies and QSOs”, presented at the August 2005 International conference on *Extreme Starburst: Near and Far* in Lijiang, China. (invited review paper).
  18. Veilleux, S. 2008, “Obituary: Donald Edward Osterbrock, 1924-2007”, *Bull. A. A. S.*, 39, 1075. (invited obituary)

19. Veilleux, S. 2009, "Obituary: Andrew Stephen Wilson, 1947-2008", *Bull. A. A. S.*, 41, 582. (invited obituary)
20. Veilleux, S. 2012, "Massive Neutral and Molecular Winds in Nearby Galaxies", at the international conference "AGN Winds in Charleston", Charleston, South Carolina, ASP, Vol. 460, pp. 139-143 (invited paper)
21. Veilleux, S. & Melendez, M. 2014, "Powerful Molecular Outflows in Nearby Active Galaxies", at the conference "Multiwavelength AGN Surveys and Studies", Yerevan, Armenia, *Proc. of the IAU*, vol. 304, pp. 291-297. (invited review paper)

#### II.D.3. Historical Conference Proceedings (10+ years ago)

#### II.D.4. Other

1. Veilleux, S., and Osterbrock, D. E. 1986, "Spectral Classification of Emission-line Galaxies", *Star Formation in Galaxies*, NASA Conference Publication 2466, ed. C. J. Lonsdale Persson, 737–740.
2. Veilleux, S. 1988, "High Resolution Study of NGC 4151", *Active Galactic Nuclei: Proceedings of the Georgia State University Conference*, eds. H. R. Miller and P. J. Wiita (Berlin: Springer-Verlag), 55–58.
3. Veilleux, S. 1989, "Substructures in the Narrow-line Region of AGNs", *IAU Symposium 134, Active Galactic Nuclei*, eds. D. E. Osterbrock and J. S. Miller (Berlin: Springer-Verlag), 312–313.
4. Osterbrock, D. E., Shaw, R. A., and Veilleux, S. 1989, "Near-Infrared Emission-line Spectra of the Orion Nebula, NGC 4151, and Other Seyfert Galaxies", *IAU Symposium 134, Active Galactic Nuclei*, eds. D. E. Osterbrock and J. S. Miller (Berlin: Springer-Verlag), 298–300.
5. Mathews, W. G., and Veilleux, S. 1989, "Stability of Emission-line clouds in Seyfert Galaxies", with W. G. Mathews, *IAU Symposium 134, Active Galactic Nuclei*, eds. D. E. Osterbrock and J. S. Miller (Berlin: Springer-Verlag), 303–304.
6. Veilleux, S., and Zheng, W. 1992, "Double-Peaked Broad-Line Profiles: Evidence for Accretion Disks with Hot Spots?", *Physics of Active Galactic Nuclei: Proceedings of the Heidelberg Conference*, eds. W. J. Duschl and S. J. Wagner, (Berlin: Springer-Verlag), 252–253.
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8. Veilleux, S., Bland-Hawthorn, J., Cecil, G., & Tully, R. B. 1992, "The Vertical Disk Structure of the Edge-On Galaxy NGC 3079", *The Third Grand Teton Summer School: The Evolution of Galaxies and Their Environment*, 330–331
9. Veilleux, S., Cecil, G., Bland-Hawthorn, J., Tully, R. B. & Filippenko, A. V. 1993, "HIFI Results on the Superbubble of NGC 3079", *Mass-Transfer Induced Activity in Galaxies*, ed. I. Shlosman, (Cambridge: Cambridge University Press), 213–217.
10. Veilleux, S., Goodrich, R. W., & Hill, G. J. 1993, "Infrared Spectroscopy of Seyfert 2s: A Look through the Obscuring Torus?", *The First Stromlo Symposium: The Physics of Active Galaxies*, ed. G. V. Bicknell, M. A. Dopita, and P. J. Quinn, 273–274.
11. Gao, Y., Gruendl, R., Lo, K. Y., Hwang, C., & Veilleux, S. 1997, "Pre-Starbursts in Luminous Infrared Galaxies?", *Star Formation, Near and Far, Proceedings to Astrophysics Conference on Star Formations*, eds. Stephen S. Holt and L. G. Mundy (New York: AIP), 319–320.
12. Veilleux, S., Bland-Hawthorn, J., Cecil, G., & Shopbell, P. 1998, "Galactic Winds in Active Galaxies", in *proceedings to IAU Symposium #184, The Central Regions of the Galaxy and Galaxies*, eds. Y. Sofue, 417–418.
13. Shopbell, P. L., Veilleux, S., and Bland-Hawthorn, J. 1999, "A Very Extended Ionized Nebula around the Quasar MR2251-178", *proceedings from the Walnut Creek meeting on Imaging the Universe in Three Dimensions*, eds. W. van Breugel and J. Bland-Hawthorn, 404–407.



14. Sanders, D. B., Veilleux, S., Yun, M., Cowie, L. L., Kawara, K., Taniguchi, Y., Oyabu, S., Murayama, T., & Okuda, H. 2000 "Identification of ISOPHOT Deep Field Sources", "The Starburst-AGN Connection", proceedings of the Ringberg Meeting on Starburst Galaxies: Near and Far held in September 2000, 297–302.
15. Veilleux, S., Cecil, G., & Bland-Hawthorn, J. 2000, Recent Results from a Superwind Survey, in Gas and Galaxy Evolution, ASP Conf. Ser. Vol. 240, eds J. Hibbard, M. Rupen, and J. van Gorkom, 388–389
16. Veilleux, S., Sanders, D. B., & Kim, D.-C. 2001, "The QSO - Ultraluminous Infrared Galaxies Connection", proceedings of the international workshop on "QSO Hosts and their Environments" held in Granada, Spain, 165–170
17. Rupke, D. S., Veilleux, S., & Sanders, D. B. 2001, "Keck Optical Spectroscopy of Galactic Winds in Ultraluminous Infrared Galaxies", Bull. A.A.S., 199, 3504– 3504
18. Vogel, S. N., Weymann, R. J., Veilleux, S., & Epps, H. W. 2002, "A New Observational Upper Limit to the Low Redshift Ionizing Background Radiation, proceedings of workshop on Extragalactic Gas at Low Redshift", eds. J. S. Mulchaey and J. T. Stocke, ASP Conf. Ser. Vol. 254, 363–374 (invited paper)
19. Cecil, G., Ferruit, P., & Veilleux, S. 2002, "Bubbles, Bow-Shocks, and Bullets over Broad-lines: Three Ionized Outflows Resolved with HST", RMxAC, 13, 170–176 (invited paper)
20. Rupke, D. S., Veilleux, S., & Sanders, D. B. 2003, "Superwinds in Luminous Infrared Galaxies at  $0 < z < 0.5$ ", Bull. A.A.S., 20310502
21. Veilleux, S., & Rupke, D. S. 2003, "A New Method to Identify Galaxies Hosting Starburst-Driven Winds", Bull. A.A.S., 199, 3501–3501
22. Veilleux, S. 2005, "The Evolution of Activity in Massive Gas-Rich Mergers", in Spitzer Space Telescope: New Views of the Cosmos, ed. L. Armus.
23. Rupke, D. S., & Veilleux, S. 2005, "Galactic Winds in Local Star-Forming and Active Galaxies", in Galactic Flows: The Galaxy/IGM Ecosystem", eds. D. Calzetti and T. M. Heckman.
24. Schweitzer, M., et al. 2005, "Silicate emission in active galaxies - From LINERs to QSOs", Astron. Nachr., 326, 556
25. Mazzuca, L. M., Knapen, J. H., Regan, M. W., & Veilleux, S. 2005, "The Distribution of Star Formation in the Central Regions of Spiral Galaxies", The 331st Wilhelm and Else Heraeus Seminar. AIP Conference Proceedings, 783, 182-188 (contributed talk)
26. Dasyra, K., Tacconi, L. J., Davies, R. I., et al. 2006, "Probing for evolutionary links between local ULIRGs and QSOs using NIR spectroscopy", New Astronomy Reviews, Vol. 50, 720- 724, presented at the August 2005 International workshop on QSO Hosts and Environments at the Lorentz Center in Leiden, Netherlands (invited talk)
27. Bland-Hawthorn, J., Veilleux, S., & Cecil, G. 2007, "Galactic Winds: a short review", Ap & SS, 311, 87-98. (invited talk)
28. Dasyra, K. M., Tacconi, L. J., Davies, R. I., et al. 2007, "Trigger Mechanisms and Time Evolution of Local QSOs and ULIRGs: The Dynamical Point of View", Bull. A. A. S., bf 210, 3202-3202. (contributed talk)
29. Schweitzer, M., Sturm, E., Lutz, D., et al. 2007, "Uncovering the Active Galactic Nuclei in Low-Ionization Nuclear Emission-Line Regions with Spitzer", ASP Vol. 373, The Central Engine of Active Galactic Nuclei, Ed. L. C. Ho and J.-M. Wang, 501- 504 (contributed talk)
30. Rupke, D. S. N., Veilleux, S., Kim, Dong-Chan, Sturm, E., Contursi, A., Lutz, D., Netzer, H., Sternberg, A., & Maoz, D. 2007, "Uncovering the Active Galactic Nuclei in Low-Ionization Nuclear Emission-Line Regions with Spitzer", ASP Vol. 373, The Central Engine of Active Galactic Nuclei, Ed. L. C. Ho and J.-M. Wang, 525-528 (contributed talk)
31. Lawton, B. L., Churchill, C. W., York, B. A., et al. 2007, "Observational Constraints on Reddening and Diffuse Interstellar Bands in Early Epoch Galaxies", Bull. A. A. S., 211, 153.06. (contributed talk)
32. Veilleux, S. 2008, "Galactic Winds", presented at the June 2006 conference on Mapping the

- Galaxy and Nearby Galaxies in honor of Prof. Sofue, Ishigaki Island, Okinawa, Japan, in *Astrophysics and Space Sciences Proceedings*, p. 245. (contributed talk)
33. Veilleux, S. 2008, "QUEST: Quasar / ULIRG Evolution Study with Spitzer/IRS", presented at the November 2005 conference on Infrared Diagnostics of Galaxy Evolution, Pasadena, California, ASP Conf. Series, 381, 24 (contributed talk)
  34. Mazzuca, L., Swaters, R., Veilleux, S., & Knapen, J. 2008, "A Consistent Picture of Gas Kinematics within Nuclear Rings", presented at the April 2007 conference "Pathways through an Eclectic Universe" held in honor of Dr. John E. Beckman, Tenerife, Canary Islands, ASP Conf. Series, 390, 139 (contributed talk)
  35. Mazzuca, L. M., Swaters, R. A., & Veilleux, S. 2009, "The Kinematic Environment of Nuclear Rings", *Bull. A. A. S.*, 41, 693-693 (contributed talk)
  36. Teng, S. H., Veilleux, S., Anabuki, N., et al. 2009, "Suzaku Observations of Local Ultraluminous Infrared Galaxies", *Bull. A. A. S.*, 41, 392-392. (contributed talk)
  37. Koss, M., Mushotzky, R., & Veilleux, S. 2009, "Host Galaxy Morphologies of Hard X-ray Selected AGN from the Swift BAT Survey", *Bull. A. A. S.*, 41, 240-240. (contributed talk)
  38. Teng, S. H., & Veilleux, S. 2010, "From Merging Galaxies to Quasars: the Evolution of Nuclear Activity in Luminous and Ultraluminous Infrared Galaxies", *Bull. A. A. S.*, 41, 447-447. (contributed talk)
  39. Koss, M., Mushotzky, R., Veilleux, S., & Winter, L. 2010, "Host Galaxy Properties of SWIFT Hard X-ray Selected AGN", *Bull. A. A. S.*, 41, 536-536. (contributed talk)
  40. Veilleux, S., Rupke, D. S. N., & Swaters, R. 2010, "Warm Molecular Hydrogen in the Galactic Wind of M82", *Bull. A. A. S.*, 41, 307-307. (contributed talk)
  41. McDonald, M., & Veilleux, S. 2010, "A Multi-wavelength Survey Of Cooling-flow Clusters With The Maryland-Magellan Tunable Filter", *Bull. A. A. S.*, 41, 552- 552. (contributed talk)
  42. Winter, L., Lewis, K. T., Koss, M., Veilleux, S., Keeney, B., & Mushotzky, R. F. 2010, "The Optical and X-Ray Spectral Properties of the Swift BAT-detected AGNs", *Bull. A. A. S.*, 41, 241-241. (contributed talk)
  43. Krug, H., Rupke, D. S. N., & Veilleux, S. 2010, "Neutral Gas Outflows and Inflows in Infrared-Faint Seyfert Galaxies", *Bull. A. A. S.*, 41, 244-244. (contributed talk)
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  110. Durbak, J., Kutyrrev, A., Veilleux, S., et al. 2020, “RIMAS – The Final Stages of Development, Instrumentation, Testing, and Categorization”, BAAS, 23521505
  111. Gatkine, P., & Veilleux, S. 2020, “Probing the Circumgalactic Medium in the early universe using GRB afterglows”, BAAS, 23525002

## II.E. Conferences, Workshops, and Talks

### II.E.1. Keynotes

### II.E.2. Invited Talks

1. January 2020: Invitation-only workshop entitled “Extreme Galactic Nuclear Activity: Ultraluminous Starburst and AGN” in honor of David Sanders’ 30 years in Hawaii, Honolulu (talk on “Cool Winds in Ultraluminous Infrared Galaxies”)
2. December 2019: Conference entitled “Australian and New Zealand Conference on Optics and Photonics 2019” (ANZCOP 2019), special session on astrophotonics, (invited talk on “Recent Advances in Astrophotonics: Integrated Spectrometers and Photonics Filters”)
3. September-October 2019: Meeting organized by the NSF and NASA entitled “Joint NASA/NSF 2019 UV-Vis PI Program Review Meeting”, Washington DC (invited talk on “Miniaturization: The Next Wave in Astronomical Instrumentation”)
4. September 2018: Meeting organized by the NSF and NASA entitled “Joint NASA/NSF 2019 UV-Vis PI Program Review Meeting”, Washington DC (invited talk on “Miniaturization: The Next Wave in Astronomical Instrumentation”)
5. September 2018: Conference entitled “The Role of Feedback in Galaxy Formation”, Potsdam, Germany (invited talk on Galactic Winds and the Circumgalactic Medium)
6. July 2018: Conference entitled “Multiphase AGN Feeding & Feedback”, Sexten Center for Astrophysics, Sesto, Italy (invited talk on “Multiphase Quasar Feedback”)
7. June 2018: Conference entitled “Bubbles Big & Small: From supernovae & the Fermi bubble to the circumgalactic medium”, Indian Institute of Science, Bangalore, India (invited keynote speaker to kick-start the conference)
8. April 2018: Conference entitled “A Star was Born”, Abbazia di Spineto, Italy (invited talk on “Galactic Winds”)
9. January 2018: JWST Town Hall, 231st AAS meeting, Washington, DC (invited talk on ERS program #1335 "Q-3D: Imaging Spectroscopy of Quasar Hosts with JWST Analyzed with a Powerful New PSF Decomposition and Analysis Package")

10. July 2017: Conference entitled "In & Out. What rules the Baryon Cycle?", Munich Institute for Astro- and Particle Physics (MIAPP), Garching, Germany (invited review on "Quasar-Driven Outflows")
11. July 2017: Workshop entitled "Behind the Curtains of Dust", Sexten Center for Astrophysics, Sesto, Italy (invited review on "Multi-Phase Outflows in ULIRGs")
12. June 2017: Symposium #6 on "Physics and demography of AGN and starburst winds", European Week of Astronomy and Space Science (EWASS), Prague, Czech Republic (invited review on "Cool Neutral and Molecular Outflows in Gas-Rich Galaxies")
13. June 2017: Conference entitled "What Matter(s) Around Galaxies", Durham, United Kingdom (invited review on "The Impact of Quasar-Mode Feedback on the Ecosystems of Galaxies")
14. May 2017: Workshop entitled "AGN Driven Winds", Haifa, Israel (invited review on "Cool Neutral and Molecular Outflows")
15. September 2016: Conference entitled "Crossing the Rubicon: The fate of gas flows in galaxies", Santarcangelo di Romagna, Italy (invited review on "The Impact of Stellar Feedback and Outflows on the Ecosystems of Galaxies")
16. August 2016: Conference on "CLOUDY: Emission Lines in Astrophysics, from Gaseous Nebulae to Quasars" in honor of Gary Ferland, Mexico City, Mexico (invited review on "Multi-wavelength Spectroscopy of AGN and Quasars")
17. July 2016: Symposium #12 on "Stellar and AGN feedback in galaxies: a multi-wavelength perspective of outflows", European Week of Astronomy and Space Science (EWASS), Athens, Greece (invited review on "Stellar Feedback in Galaxies")
18. April 2016: Conference on "The Interplay between Local and Global Processes in Galaxies", Cozumel, Mexico (invited review talk on "Star Formation Quenching")
19. February 2016: Conference on "Sweeping Galaxies Clear: Cold Molecular Outflows as Drivers of Galaxy Evolution", Sesto, Italy (invited talk on "The Role of Quasars in Driving the Cold Gas out of Galaxies")
20. December 2015: Conference on the U.S. Radio/Millimeter/Submillimeter Science Futures in the 2020s, Chicago, Illinois (invited talk on "Observations of Gas Flows In and Out of Galaxies")
21. June 2015: Conference on "Black Hole Accretion and AGN Feedback", Shanghai, China (invited talk on "Evidence for Star Formation and AGN Feedback in the Dust and Cold Gas of Galaxies")
22. March 2015: Conference on "Unveiling the AGN – Galaxy Evolution Connection", Puerto Varas, Chile (invited talk on "Dusty Molecular Outflows in Galaxies")
23. July 2014: Workshop on "AGN versus Star Formation", Durham, England (invited talk on "Powerful Neutral Atomic and Molecular Galactic Winds in Nearby Active Galaxies")
24. July 2014: Workshop on "Behind the curtain of dust - the molecular view of activity in (U)LIRGs", Sesto Centre for Astrophysics, Balzano, Italy (invited talk on "Warm and Cold Molecular Winds in ULIRGs")
25. June 2014: Conference on "Powerful AGN and their Host Galaxies Across Cosmic Time", Port Douglas, Australia (invited talk on "Powerful Neutral Atomic and Molecular Galactic Winds in Nearby Active Galaxies")
26. April 2014: Conference on "Fire Down Below: The Impact of Feedback on Star and Galaxy Formation", Kavli Institute of Theoretical Physics, Santa Barbara, California (invited talk on "Powerful Neutral Atomic and Molecular Winds in Galaxies")
27. October 2013: Conference on "Multiwavelength AGN Surveys and Studies", Yerevan, Armenia (invited talk on "AGN Feedback, Near and Far")
28. June 2013: Conference on "Galaxies vs SMBH", Castellammare del Golfo, Sicily, Italy (invited talk on "Powerful Molecular Outflows in Nearby Active Galaxies")
29. June 2013: Conference on "Galactic Winds: Near and Far", Ringberg meeting, Ringberg Castle, Germany (invited talk on "New Herschel Results on Molecular Winds and Multiwavelength Comparisons")
30. April 2013: Conference titled "FIRSED2013 - the FIR-submm SEDs of galaxies with and without active nucleus", Amsterdam, Netherlands (invited talk on "ULIRG - QSO Connection")

31. March 2013: Conference on "Infrared and Submillimeter Probes of Gas in Galaxies: From the Milky Way to the Distant Universe", Pasadena, California (contributed talk on "Powerful Molecular Outflows in Nearby Galaxies")
32. October 2012: Conference on "Frontiers in Star Formation" in honor of Prof. Richard Larson, Yale University, New Haven, Connecticut (invited talk on galactic winds and outflows)
33. May 2012: Workshop on "The Physics and Evolution of Active Black Holes", Technion, Haifa, Israel (invited talks on "Galactic Winds: What, Who, and How?" and "Galaxy Interactions: Do they play a role in triggering Local AGN?")
34. May 2012: STScI 2012 Symposium on "Gas Flows in Galaxies", Baltimore, MD (invited talk on "Outflows in Molecules")
35. March 2012: NRAO-NAASC 2012 Workshop on "Outflows, Winds and Jets: From Young Stars to Supermassive Black Holes", NRAO, Charlottesville, Virginia (invited review on Observational Review of the Outflow Phenomena from Extragalactic Systems)
36. October 2011: International conference "AGN Winds in Charleston", Charleston, South Carolina, (talk on Massive Neutral and Molecular Winds in Nearby Galaxies)
37. September 2011: European Space Astronomy Centre (ESAC) conference on "The Starburst-AGN Connection under the Multiwavelength Limelight", ESAC, Villafranca del Castillo, Spain (invited talk on Galaxy Mergers, Ultraluminous Infrared, and Quasar Activity)
38. August 2011: Astronomy at High Angular Resolution (AHAR11) conference on The Central kiloparsec in galactic nuclei in Bad Honnef, Germany (invited talk on The Latest Results from QUEST)
39. June 2011: Ringberg Meeting on Star Formation in the Herschel Era, Tegernsee, Germany (invited talk on Starburst-Driven Feedback: Observational Perspective)
40. February 2011: Mini-Symposium in honor of C. Dermer's E. O. Hulburt Science Award (invited talk)
41. June 2010: Extreme Starbursts in the Local Universe, Granada, Spain (invited conference summary)
42. July 2008: COSPAR, Montreal, Canada (invited talk on Galactic Winds)
43. January 2008: Fabry-Perot Spectroscopy in Astronomy, Tenerife, Canary Islands (invited talk on The Maryland-Magellan Tunable Filter)
44. October 2007: Second Magellan Science Symposium, CfA/Harvard (invited talk on Science with the Maryland-Magellan Tunable Filter)
45. October 2007: W. G. Mathews & P. Bodenheimer Retirement Symposium (invited review talk on Galactic Winds)
46. August 2007: VLTI Summer School on Active Galactic Nuclei at the highest resolution: Theory and Observation, Torun, Poland (four invited lectures on the Starburst-AGN Connection, Ultraluminous IRAS Galaxies, Feedback Processes, and Elemental Abundances as Tracers of Star Formation)
47. August 2007: Legacy of Multi-Wavelength Surveys, Xining, China (invited review on QUEST: Quasar - ULIRG Evolution Study)
48. August 2007: Prof. D. E. Osterbrock Memorial Symposium, Santa Cruz, CA (invited review on Spectral Classification of Emission-Line Galaxies)
49. August 2006: New Cosmology Results from the Spitzer Space Telescope, IAU Joint Discussion #15 (invited talk on ULIRGs in the Cosmological Context)
50. June 2006: Mapping the Galaxy and Nearby Galaxies in honor of Prof. Sofue (contributed talk on Galactic Winds)
51. June 2006: Dust and Gas in ULIRGs: Tracing Star Formation and Black Hole Growth at the Centers of Ultraluminous Infrared Galaxies, Ithaca, New York (invited review on ULIRG Evolution)
52. November 2005: Infrared Diagnostics of Galaxy Evolution, Pasadena, California (contributed talk on QUEST: Quasar / ULIRG Evolution Study with Spitzer/IRS)

53. August 2005: International workshop on QSO Hosts and Environments at the Lorentz Center in Leiden, Netherlands (invited review on The Hosts and Environments of Local ULIRGs and QSOs)
54. August 2005: International conference on Extreme Starburst: Near and Far in Lijiang, China (invited review on Local ULIRGs and QSOs)
55. November 2004: First SST Science meeting on New Views of the Cosmos, Pasadena, California (talk on Evolution of Activity in Massive Gas-Rich Mergers)
56. November 2004: Ringberg meeting on The Role of Mergers and Feedback in Galaxy Evolution, Germany. (invited review on AGN-Star Formation Connection in Local Powerful Starbursts)
57. July 2004: International conference on Astrophysics of Gaseous Nebulae and Active Galactic Nuclei in honor of D. E. Osterbrock's 80th anniversary, Santa Cruz, California (invited review on Unification of Radio-Quiet AGN: An Update)
58. June 2004: Dwingeloo meeting on Extra-planar Gas, Netherlands (invited review on Galactic Winds in Starburst and Active Galaxies)
59. January 2004: II International Workshop on Science with the GTC: Science with GTC 1st-light Instruments and the LMT, Mexico City, Mexico (invited review on Extragalactic Science with Tunable Filters)
60. December 2003: International 2003 Guillermo Haro conference on Multiwavelength AGN Surveys (Keynote review on Unification of Radio-Quiet AGNs: Successes and Failures)
61. November 2003: International conference in Sydney, Australia in honor of R. B. Tully 60th Anniversary (invited talk on Galactic Winds and the Missing Baryons)
62. July 2003: IAU Symposium #217 "Recycling Intergalactic and Interstellar Matter", Sydney, Australia (invited review on Multiwavelength Observations of Galactic Winds)
63. June 2003: International conference on the "Neutral ISM in Starburst Galaxies", Mastrand, Sweden (invited review on Galactic Winds: Near and Far)
64. July 2002: International conference on "Active Galactic Nuclei: from Central Engine to Host Galaxy", meeting held in Meudon, France, July 23-27, 2002 (one of two keynote reviews; The AGN Paradigm: Radio-Quiet Objects)
65. December 2001: International conference on "Galaxies: The Third Dimension" held on Cozumel, Mexico (invited review talk, Fabry-Perot Survey of Normal and Active Galaxies)
66. June 2001: IAU Colloquium #184 on "AGN Surveys" held in Yerevan, Armenia (invited review talk, Spectroscopic Diagnostics for IR-Selected AGNs)
67. April 2001: Workshop on "Extragalactic Gas at Low Redshift" in honor of Dr. Ray Weymann, Las Campanas Observatories, Pasadena, CA (invited talk, Warm Ionized Gas on the Outskirts of Active and Star-Forming Galaxies)
68. January 2001: International workshop on "QSO Hosts and their Environments" held in Granada, Spain (contributed talk, The QSO -- Ultraluminous Infrared Galaxies Connection)
69. November 2000: International conference on "Emission Lines from Jet Flows" held on Isla Mujeres, Mexico (invited talk, New Results from a Survey of Galactic Outflows in Nearby Active Galactic Nuclei)
70. September 2000: Ringberg meeting on "Starbursts: Near and Far" (invited discussion leader on the Starburst-AGN Connection)
71. August 2000: International workshop on "Environments of Galaxies" held in Birmingham, UK (invited review talk on The Impact of Starburst-Driven Winds)
72. March 1999: International Conference on "Imaging the Universe in Three Dimensions: Astrophysics with Advanced Multi-Wavelength Imaging Devices", Walnut Creek, California (invited highlight talk, Fabry-Perot Imaging Spectroscopy of Starburst and AGN Winds)
73. March 1999: Annual conference of the University of Montreal and University Laval Joint Astrophysics Research Center, Quebec City, Canada (one of two invited 'keynote speakers', Ultraluminous Infrared Galaxies and the Origin of Nuclear Activity).
74. September 1998: Annual Ringberg Meeting on "Ultraluminous Infrared Galaxies" (invited review talk, Highlights: Optical/NIR Spectroscopy of Ultraluminous Infrared Galaxies)



75. April 1998: Annual APS Meeting, Columbus, Ohio (invited review talk, Ultraluminous Infrared Galaxies and the Origin of Nuclear Activity)
76. August 1997: IAU Symposium 186 "Galaxy Interactions at Low and High Redshift" (invited talk, Spectroscopy of Luminous Infrared Galaxies)
77. March 1997: XVIIIth Moriond Astrophysics Meeting, "Extragalactic Astronomy in the Infrared", Les Arcs, Savoie, France (invited review talk, Spectroscopy of Luminous Infrared Galaxies)
78. June 1996: Aspen Summer Astrophysics Workshop on "Galaxy Interactions at Low and High Redshifts", Aspen, Colorado (invited review talk, 30 minutes).
79. November 1995: WAAM meeting, Naval Research Lab., Washington, DC. (invited talk, A Look through the Obscuring Torus of Active Galactic Nuclei)
80. May 1995: International conference on "Three-Dimensional Spectroscopy", Marseille, France (invited talk, Fabry-Perot Observations of Active and Starburst Galaxies)

### II.E.3. Refereed Presentations

### II.E.4. Refereed Abstracts

### II.E.5. Refereed Posters

### II.E.6. Refereed Panels

### II.E.7. Non-Refereed Presentations

### II.E.8. Non-Refereed Abstracts

### II.E.9. Non-Refereed Posters

### II.E.10. Non-Refereed Panels

### II.E.11. Symposia

### II.E.12. Workshops

### II.E.13. Colloquia (1 hr unless otherwise noted)

1. March 2020: Department of Physics, University of Maryland, College Park, Maryland (Space and Cosmic Ray Physics seminar: The Cool Side of Galactic Winds)
2. October 2019: Johns Hopkins University / Space Telescope Science Institute, Baltimore, Maryland (JHU/STSCI CAS Wine & Cheese 30-min seminar: Astrophotonics: The Next Wave in Astronomical Instrumentation)
3. September 2019: Space Telescope Science Institute / Johns Hopkins University, Baltimore, Maryland (Joint colloquium: Galactic Winds and the Circumgalactic Medium)
4. September 2019: Space Telescope Science Institute, Baltimore, Maryland (Coffee talk: Astrophotonics: The Next Wave in Astronomical Instrumentation)
5. June 2019: Astronomy Group, Department of Physics, Durham University, Durham, United Kingdom (colloquium: Galactic Winds and the Circumgalactic Medium)
6. May 2019: Institute of Astronomy and Kavli Institute for Cosmology Cambridge, University of Cambridge, Cambridge, United Kingdom (30-min seminar: Astrophotonics: The Next Wave in Astronomical Instrumentation)
7. March 2019: Astrophysics Research Institute, Liverpool John Moores University, Liverpool, United Kingdom (colloquium: Galactic Winds and the Circumgalactic Medium)
8. February 2019: Institute of Astronomy and Kavli Institute for Cosmology Cambridge, U. of Cambridge, Cambridge, United Kingdom (Kavli Lecture: Galactic Winds and the Circumgalactic Medium)
9. February 2019: Kavli Institute for Cosmology Cambridge, U. of Cambridge, Cambridge, United Kingdom (20-min seminar: The Source of Ionization of Quasar Winds)
10. February 2019: Institute of Astronomy, U. Cambridge, Cambridge, United Kingdom (Discussion: Multi-scale Quasar-Driven Outflows)
11. October 2018: Pennsylvania State University, State College, PA (colloquium on the cool side of galactic winds)

12. August 2018: Max-Planck Institute for Radioastronomy, Bonn, Germany (colloquium on the cool side of galactic winds)
13. April 2018: University of Maryland, College Park, Maryland (seminar on how to win a grant from the Keck Foundation given to UMD faculty)
14. March 2018: SOFIA Science Center, Mountain View, CA (colloquium on galactic winds)
15. September 2016: University of Sydney, Australia (colloquium on galactic winds)
16. September 2016: University of Sydney, Australia (Seminar: Astrophotonics @ Maryland)
17. July 2016: MPE, Garching, Germany (tea talk on Mrk 231: The Nearest Laboratory to Study Quasar Feedback in Action, Slim Accretion Disks, but not Binary Black Holes)
18. May 2016: University of Maryland, College Park (theory talk on Mrk 231: The Nearest Laboratory to Study Quasar Feedback in Action, Slim Accretion Disks, but not Binary Black Holes)
19. September 2015: Tufts University, Medford, Massachusetts (colloquium on galactic winds)
20. January 2015: The Ohio State University, Columbus, Ohio (colloquium on galactic winds)
21. April 2014: Naval Research Laboratory, Washington, DC (colloquium on galactic winds)
22. March 2014: University of Colorado, Boulder, Colorado (colloquium on galactic winds)
23. March 2014: Carnegie Observatories, Pasadena, California (colloquium on galactic winds)
24. January 2014: National Radio Astronomy Observatory, Socorro, New Mexico (colloquium on galactic winds)
25. January 2014: Kavli Institute for Particle Astrophysics and Cosmology (KIPAC), Stanford University, California (colloquium on galactic winds)
26. July 2013: MPE, Garching, Germany (tea talk on Cool Cores and Cooling Flows)
27. July 2013: Sydney Institute for Astronomy, University of Sydney, Sydney, Australia (colloquium: Cool Cores and Cooling Flows) 28
28. May 2013: Institute for Astronomy, Honolulu, Hawaii (colloquium on galactic winds)
29. November 2012: MPE, Garching, Germany (tea talk)
30. June 2012: NASA Goddard Space Flight Center, Greenbelt, Maryland (colloquium)
31. April 2012: Nijmegen, Leiden, and Groningen, The Netherlands (NOVA Lecture Series)
32. February 2012: Queen University, Kingston, Ontario, Canada (colloquium)
33. November 2011: University of Pennsylvania, Philadelphia, Pennsylvania (colloquium)
34. February 2011: Boston University, Boston, Massachusetts (colloquium)
35. April 2010: George Mason University, Fairfax, Virginia (colloquium)
36. March 2010: Catholic University of America, Washington, DC (colloquium)
37. March 2010: Oxford University, Oxford, England (BIPAC seminar)
38. February 2010: University of Florida, Gainesville, Florida (colloquium)
39. September 2009: University of Sydney, Sydney, Australia (colloquium)
40. June 2009: INAF, Istituto di Radioastronomia, Bologna, Italy (colloquium)
41. June 2009: MPIfR, Bonn, Germany (colloquium)
42. June 2009: Astrophysical Institute, Potsdam, Germany (colloquium)
43. June 2009: Ruhr-Universität, Bochum, Germany (colloquium)
44. May 2009: MPA, Heidelberg, Germany (colloquium)
45. May 2009: MPE, Garching, Germany (tea talk)
46. March 2009: MPE/MPA/ESO, Garching, Germany (Munich Joint Astronomy colloquium)
47. November 2008: Virginia Tech, Blacksburg, Virginia (colloquium)
48. January 2008: University of California, Riverside, California (colloquium)
49. March 2007: New Mexico State University, Las Cruces, New Mexico (colloquium)
50. September 2006: University of Virginia, Charlottesville, Virginia (colloquium)
51. September 2005: Los Alamos National Laboratory, New Mexico (colloquium)
52. February 2004: Naval Research Laboratory, D.C. (E.O. Hulbert Colloquium Series)
53. November 2003: Observatories of the Carnegie Institution, Pasadena, CA (colloquium) 29
54. November 2003: IPAC, Caltech, Pasadena, CA (lunch seminar)
55. October 2003: Livermore National Laboratory, CA (colloquium)

56. May 2003: University of California, Los Angeles, CA (colloquium)
57. May 2003: University of California, Santa Barbara, CA (colloquium)
58. April 2003: Observatories of the Carnegie Institution, Pasadena, CA (colloquium)
59. April 2003: California Institute of Technology, Pasadena, CA (colloquium)
60. April 2003: Ohio State University, Columbus, OH (colloquium)
61. April 2003: University of Rochester, Rochester, NY (colloquium)
62. November 2002: State University of New York, Stony Brook, NY (colloquium)
63. November 2001: University of Maryland, College Park, Maryland (colloquium)
64. October 2001: Kitt Peak National Observatory, Tucson, Arizona (lunch-time seminar)
65. October 2001: University of Arizona, Tucson, Arizona (joint U. of Arizona/NOAO colloquium)
66. May 2001: NASA Goddard Space Flight Center, Laboratory for Astronomy and Solar Physics (colloquium)
67. May 2001: University of Maryland, College Park, MD (lunch-time seminar, NGC 3079: The Mother of All Galaxy-Scale Windblown Superbubbles - Giant "Mushroom Cloud" in Action!)
68. February 2001: University of Texas, Austin, Texas (lunch-time seminar)
69. February 2001: University of Texas, Austin, Texas (colloquium)
70. March 2000: UC Santa Cruz, Santa Cruz, California (colloquium)
71. March 2000: University of Virginia, Charlottesville, Virginia (colloquium)
72. January 2000: Anglo-Australian Observatory, Australia (colloquium)
73. October 1999: MIT (colloquium)
74. January 1999: Hertzberg Institute of Astrophysics, Canada (colloquium) 30
75. January 1999: University of British Columbia, Canada (colloquium)
76. June 1998: Astronomy Observatory Public Open House, College Park (popular seminar)
77. June 1997: UC Santa Cruz, Santa Cruz, California (colloquium)
78. April 1997: Space Telescope Science Institute, Baltimore, Maryland (colloquium)
79. February 1997: Goddard Space Flight Center, High-Energy Astrophysics Division, Greenbelt, Maryland (colloquium)
80. November 1996: University of Montreal, Montreal, Canada (colloquium)
81. November 1996: University of Illinois, Urbana-Champaign, Illinois (colloquium)
82. November 1996: University of Virginia, Charlottesville, Virginia (colloquium)
83. May 1996: University of Maryland, College Park (seminar)
84. February 1995: New Mexico State University, Las Cruces, New Mexico (colloquium)
85. January 1995: Universite Laval, Quebec, Canada (colloquium)
86. January 1995: University of Toronto, Toronto, Canada (colloquium)

II.E.14. Historical Conferences, Workshops, Talks (10+ years ago)

II.E.15. Other

## II.F. Professional Publications

### II.F.1. Reports and Non-Refereed Monographs

1. Pogge, R. W., Goodrich, R., & Veilleux, S. 1988, "The VISTA Cookbook", Lick Observatory Technical Report No. 50, 1–50. (technical report)
2. Veilleux, S., Tully, R. B., & Cecil, G. 1994, "Galaxy-Scale Windblown Superbubbles", CFHT Bulletin #30, 1–5. (scientific report)
3. Kennicutt, R., Soifer, B. T., Elias, J. H., Puxley, P., Shields, J. C., Veilleux, S., & Zaritsky, D. 1998, "Science with Gemini" workshop, 1–15. (scientific report)
4. Miller, S. T., & Veilleux, S. 1999, "A Deep Multi-Line Imaging Survey of Edge-On Spiral Galaxies", AAO Newsletter No. 88, 4–5. (scientific report)
5. Shopbell, P. L., & Veilleux, S. 1999, "Deep Observations of a QSO Nebula with the TTF", AAO

- Newsletter No. 88, 6–7. (scientific report)
6. Veilleux, S. & Rupke, D. S. 2002, “Discovery of a Shock-Excited Wind in the Starburst Galaxy NGC 1482”, AAO Newsletter #99 (Feb. 2002), 6–7 (scientific report)
  7. Veilleux, S. & Miller, S. T. 2003, “Extraplanar Emission-Line Gas in Edge-On Spiral Galaxies” AAO Newsletter #102 (March 2003), 8–9 (scientific report)
  8. Rupke, D. S., & Veilleux, S. 2003, “TTF Observations of Very Extended Ionized Gas in Nearby Galaxies”, AAO Newsletter #103, 3–4 (scientific report)
  9. Rupke, D. S., & Veilleux, S. 2004, “A Spectroscopic Survey for Superwinds in Massive Starbursts”, NOAO Newsletter (June 2004) #78, 2–3 (scientific report)
  10. Veilleux, S. & Jannuzi, B. 2009, “The Maryland-NOAO Instrument Partnership (2003-2009)”, NOAO Newsletter, #98, 32–33 (technical report)
  11. Bolatto, A. D., Armus, L., Leroy, A. K., Veilleux, S., Walter, F., & Mushotzky, R. 2018, “How Do Cold Gas Outflows Shape Galaxies?”, ASP Conf. Series, 517, p. 441 (arXiv:1810.06737).
  12. Pope, A., Armus, L., Murphy, E., et al. 2019, “Simultaneous Measurements of Star Formation and Supermassive Black Hole Growth in Galaxies”, Science White paper for Astro2020 Decadal Survey (arXiv:1903.05110).
  13. Laha, S., Smith, R., Tzanavais, P., Kallman, T., Veilleux, S., et al. 2019, “The physics and astrophysics of X-ray outflows from Active Galactic Nuclei”, Science White paper for Astro2020 Decadal Survey (arXiv:1903.06748).
  14. Tombesi, F., Cappi, M., Carrera, F., et al. 2019, “Do Supermassive Black Hole Winds Impact Galaxy Evolution?”, Science White paper for Astro2020 Decadal Survey (arXiv:1903.07664).
  15. Hodges-Kluck, E., Lopez, L. A., Yukita, M., et al. 2019, “Hot Drivers of Stellar Feedback from 10 to 10,000 pc”, Science White paper for Astro2020 Decadal Survey (arXiv:1903.09692).
  16. Hodges-Kluck, E., Corrales, L., Veilleux, S., Bregman, J. N., Li, J., & Melendez, M. 2019, “How does dust escape from galaxies?”, Science White paper for Astro2020 Decadal Survey (arXiv:1903.09693).
  17. Bolatto, A. D., Armus, L., Veilleux, S., et al. 2019, “Cold Gas Outflows, Feedback, and the Shaping of Galaxies”, Science White paper for Astro2020 Decadal Survey (arXiv:1904.02120).

#### II.F.2. Pre-Print/Working Paper (Not Work in Progress)

#### II.F.3. Legal Briefs

#### II.F.4. Policy Briefs

#### II.F.5. Other

#### II.G. Book Reviews, Notes, and Other Contributions

#### II.G. 1. Book Reviews

#### II.G. 2. Essays

#### II.G. 3. Notes

#### II.G. 4. Manuals

#### II.G. 5. Other

- Veilleux co-authored 13 GRB Coordinates Network circulars in 2014

#### II.H. Completed Creative Works

#### II.H.1. Digital Media (e.g., CDs, DVDs)

#### II.H.2. Datasets

#### II.H.3. Constructed Projects

#### II.H.4. Demonstrations

#### II.H.5. Inventions

#### II.H.6. Original Plans and Designs

- II.H.7. Photography
- II.H.8. Software and Applications
- II.H.9. Websites
- II.H.10. Exhibitions and Installations
- II.H.11. Curatorial Practice
- II.H.12. Performance or Interpretation – Performing Arts
- II.H.13. Direction - Performing Arts
- II.H.14. Production - Performing Arts
- II.H.15. Costume, Stage, Multimedia, and Theatrical Design
- II.H.16. Artistic and Graphic Design
- II.H.17. Dramaturgy
- II.H.18. Artwork
- II.H.19. Choreography
- II.H.20. Playwriting, Screenwriting, and Musical Composition
- II.H.21. Works of Creative Writing
- II.H.22. Performance or Interpretation - Film, Video, and Multimedia
- II.H.23. Direction - Film, Video, and Multimedia
- II.H.24. Production - Film, Video, and Multimedia
- II.H.25. Citations and Reviews
- II.H.26. Historical Completed Creative Works (10+ years ago)
- II.H.27. Other

## II.I Significant Works in Public Media

*Specify the following – Title, Publication/Media Name, Contributors, Types (Print, online, broadcast, video, documentary)*

II.I.1. Explanatory, Investigative, or Long-Form Journalism

II.I.2. Other Significant Journalism

II.I.3. Commentary/Analysis

II.I.4. Interactive Online Database

II.I.5. Other

## II.J. Sponsored Research

*List source, title, amount awarded, time period and role (i.e. principal investigator or co-investigator) in reverse chronological order or its inverse. If there are co-investigators, please list these.*

### II.J.1. Grants

- NASA/ISO \$49,000 01/01/96 - 08/19/01 Infrared Spectroscopy of a Unbiased Sample of Ultraluminous IRAS Galaxies with  $\log[\text{Lir}/\text{Lsun}] = 12.3 - 13.0$  and  $z = 0.1 - 0.3$  [PI Veilleux]
- NASA/STScI \$10,050 07/01/96 - 06/30/98 Imaging of a Complete Sample of the Nearest Infrared Quasars [PI Sanders, co-I Veilleux]
- NSF/EXC \$135,000 07/15/96 - 06/30/01 Measuring the Metagalactic Ionizing Flux and the Gaseous Extent of Galaxies Using Fabry-Perot Spectrophotometry [co-PI Veilleux]
- NASA/LTSA \$150,696 11/01/97 - 10/30/02 Origin and Impact of Nuclear Activity in Galaxies [PI Veilleux]
- NASA/STScI \$8,476 10/01/98 - 09/30/00 Fine Structure in the Nuclear Superbubble of NGC~3079 [PI Cecil, co-I Veilleux]
- NASA/STScI \$13,948 06/01/99 - 05/31/01 The Nuclei of Warm Ultraluminous Infrared Galaxies: Superstarbursts or AGN? [PI Surace, co-I Veilleux]
- NASA/Chandra \$20,250 06/01/99 - 05/31/01 Mapping High-Velocity Shocks along the Jets of NGC 4258 [PI Cecil, co-I Veilleux]
- NSF/CAREER \$394,472 07/01/99 - 06/30/05 Superwinds, Galactic Fountains, and Gaseous Halos in Disk Galaxies [PI Veilleux]
- NASA/Chandra \$15,000 01/01/03 - 12/31/04 The X-ray Properties of Ultraluminous Infrared Galaxies [PI Sanders, co-I Veilleux]
- NSF/ATI \$779,221 08/15/03 - 08/14/06 A Tunable Filter for Deep Wide-Field Emission-Line Surveys with Magellan [PI Veilleux]
- NASA/STScI \$168,000 09/01/03 - 08/31/05 The Fundamental Plane of Massive Gas-Rich Mergers (\$128,183 to UMD) [PI Veilleux]
- NASA \$13,885 09/15/03 - 09/14/04 INTEGRAL Observations of Ultraluminous Infrared Galaxies [PI Dermer, co-I Veilleux]
- NASA/Spitzer \$242,500 08/04/04 - 07/30/07 The Evolution of Activity in Massive Gas-Rich Mergers (Cycle 1 Medium-size program: 95.3 hours; \$183,683 to UMD) [PI Veilleux]
- NASA/Spitzer \$35,000 08/04/04 - 07/30/07 Spitzer Observations of Luminous Infrared Galaxies (Cycle 1 Medium-size program: 91.6 hours) [PI Armus, co-I Veilleux]
- NASA/Spitzer \$61,520 08/04/04 - 07/30/07 Mid-Infrared Properties, Excitation mechanisms, and AGN Content of LINERs (Cycle 1 Small program: 38.9 hours) [PI Sturm, co-I Veilleux]
- NSF/EXC \$469,881 06/01/06 - 05/31/09 Deep Wide-Field Surveys of Emission-Line Galaxies [PI Veilleux]

- NASA/Suzaku \$41,552 06/27/06 - 09/24/07 The Dominant Energy Source of Ultraluminous Infrared Galaxies [PI Veilleux]
- NASA/XMM \$38,476 07/25/06 - 07/24/07 The X-ray Spectrum of Ultraluminous Infrared Galaxies [co-PI Veilleux w/ A. S. Wilson]
- NASA/Spitzer \$24,810 08/10/06 - 09/30/08 A Spitzer Spectroscopic Survey of a Complete Sample of Luminous Infrared Galaxies in the Local Universe (Cycle 3 Legacy program: 160.0 hrs) [PI Armus, co-I Veilleux]
- NASA/Spitzer \$20,224 08/10/06 - 09/30/08 Mid-IR Ultra-Deep Spectroscopy of the Cosmic Infrared Background (Cycle 3 Large program: 307.0 hrs) [PI Yan, co-I Veilleux]
- NASA/Spitzer \$17,542 08/10/06 - 09/30/08 Star Formation in QSOs at the Peak of Cosmic Quasar Activity (Cycle 3 Small program: 46.5 hrs) [PI Lutz, co-I Veilleux]
- NASA/HST \$127,817 10/01/06 - 09/30/08 The Fundamental Plane of Massive Gas-Rich Mergers. II. QUEST QSOs [PI Veilleux]
- NASA/Spitzer \$95,799 10/01/07 - 12/31/09 Opening the Window on Warm Dust in Starburst- and AGN-Driven Superwinds (Cycle 4 Archive program) [PI Veilleux]
- NASA/Suzaku \$19,480 11/07/07 - 10/30/08 Spectra of the Brightest Warm Ultraluminous Infrared Galaxies [PI Veilleux]
- NASA/ADP \$90,442 12/08/08 - 12/07/11 Evolution of Nuclear Activity in Massive Gas-Rich Mergers: The XMM-Newton Perspective [PI Veilleux]
- NASA/CXO \$94,400 01/01/09 - 12/31/11 Evolution of Nuclear Activity in Massive Gas-Rich Mergers: The X-ray Perspective [PI Veilleux]
- NASA/XMM \$42,500 03/01/09 - 02/28/11 Quasar/ULIRG Evolution Study (QUEST): X-ray Survey of PG~QSOs [PI Veilleux]
- NASA/GALEX \$29,000 03/01/09 - 02/28/10 GALEX Imaging of the Cooling-Flow Cluster Abell 1795 [PI Veilleux]
- NASA/HST \$115,694 05/01/09 - 04/30/11 Deep FUV Imaging of Cooling Flow Clusters [PI Veilleux]
- NSF/EXC \$499,515 09/15/10 - 08/31/13 Deep Wide-Field Surveys of Emission-Line Galaxies [PI Veilleux]
- NASA/Herschel \$264,870 07/01/11 - 06/30/14 Extragalactic Science with Herschel (OT1) [PI Veilleux]
- NASA/HST \$119,194 01/01/12 - 12/31/13 Ionized and Neutral Outflows in QUEST QSOs [PI Veilleux]
- NASA/HST \$33,070 01/01/12 - 12/31/13 Deep FUV Imaging of Cooling Flow Clusters [PI Veilleux]
- NASA/Herschel \$396,000 07/01/12 - 06/30/15 Extragalactic Science with Herschel (OT2) [PI Veilleux]
- NASA/Chandra \$133,100 09/01/12 - 08/31/14 Quasar Feedback in Action: The Wide-Angle Wind of Mrk 231 [PI, Veilleux]
- NSF/ATI \$845,949 06/01/12 - 05/31/16 MOHSIS: The Maryland OH Suppression IFU System for the Discovery Channel Telescope [PI, Veilleux]
- NASA/NESSF \$90,000 09/01/12 - 08/31/15 Hunting Dark Gamma-Ray Bursts [PI Veilleux]
- Keck Foundation \$1,000,000 (no F&A) 07/01/13 - 12/31/17 Miniaturization: The Next Wave in Astronomical Instrumentation [PI Veilleux]
- NASA/HST \$38,880 07/01/14 - 06/30/17 The Remarkable Ultraviolet Spectrum of Mrk 231 [PI Veilleux]
- NASA/ADAP \$299,261 02/17/16 - 02/16/19 A Comprehensive Study of the Cost Dust and Gas in Galactic Wind

- NASA/Chandra \$70,569 05/01/16 – 04/31/19 Elliptical Galaxy in the Making: The Black Hole Activity, Galaxy-Scale Outflows, and Metal-Rich Halo of Mrk 273 [PI Veilleux]
- NASA/Spitzer \$31,032 11/30/2016 – 09/30/2019 The Spitzer/Swift Gamma-Ray Burst Host Galaxies EXTENDED Legacy Survey [PI Perley, Budget-PI Veilleux]
- NASA/XMM-Newton \$21,829 01/01/2017 – 12/31/2017 Establishing the Quasar Mode Feedback with NuSTAR and XMM-Newton [PI Tombesi, Budget-PI Veilleux]
- NASA/NuSTAR \$38,528 01/01/2017 – 12/31/2017 Revealing the Black Hole Wind in the Ultraluminous Infrared Galaxy IRAS F11119+3257 [PI Tombesi, Budget-PI Veilleux]
- NASA/Spitzer \$10,000 04/07/2017 – 03/31/2020 The Spitzer/Swift Gamma-Ray Burst Host Galaxies Legacy Survey [PI Perley, Budget-PI Veilleux]
- NSF/ATI \$697,916 07/01/17 – 06/30/20 Miniaturization: The Next Wave in Astronomical Instrumentation [PI Veilleux]
- NASA/Chandra \$191,164 12/11/17 – 12/10/19 Chandra / HETG Observations of NGC 1275 [PI Reynolds, Budget-PI Veilleux]
- NASA/APRA \$769,359 01/01/18 – 12/31/20 Miniature Photonic Spectrometers and Filters for Astrophysics and Space Science [PI Veilleux]
- NASA/Chandra \$66,200 07/01/18 – 06/30/20 Heavily Reddened, Luminous Type 1 QSOs: A Transition Population Emerging from the Dust [PI Piconcelli, Budget-PI Veilleux]
- NASA/NESSF \$45,000 09/01/18 – 08/31/20 Using Gamma-Ray Bursts to Probe the Metal Enrichment History of the Universe [PI Veilleux, Student P. Gatkine]
- NASA/HST \$188,306 03/01/19 – 02/28/2022 Galactic Winds across the Merger Sequence [PI Veilleux, total budget = \$226,091]
- NASA/Chandra \$97,679 09/01/19 – 08/31/20 Compton cooling of the hot cluster atmosphere beneath the low-redshift quasar H1821+643 [PI Russell, Budget-PI Veilleux]
- NASA/JWST \$73,585 10/01/19 – 09/30/21 Q-3D: Imaging Spectroscopy of Quasar Hosts with JWST Analyzed with a Powerful New PSF Decomposition and Spectral Analysis Package [PI Veilleux]
- NASA/HST \$81,587 01/01/20 – 12/31/2022 AGN Feedback in Dwarf Galaxies [PI Veilleux, total budget = \$94,040]

#### II.J.2. Contracts

#### II.J.3. Other

### II.K. Fellowships, Gifts and Other Funded Research

#### II.K.1. Fellowships

- Cottrell Scholarship \$50,000 (F&A) 06/01/98 - 05/31/03 Galaxy Evolution in the Local Universe: The Impact of Large-Scale Winds and Fountains on Nearby Galaxies [PI Veilleux]
- Humboldt Prize \$75,906 (no F&A) 02/01/09 - 01/31/12 QUEST: Ultraluminous Infrared Galaxies and the Origin of Quasars [PI Veilleux]
- Humboldt Prize (renewal) \$12,000 09/01/12 - 12/31/12 QUEST: Ultraluminous Infrared Galaxies and the Origin of Quasars [PI Veilleux]
- Guggenheim Fellowship \$48,000 01/01/15 – 06/30/15 Miniaturization: The Next Wave in Astronomical Instrumentation [PI Veilleux]
- Hunstead Visiting Fellowship \$2000 09/01/16 – 09/05/16 Scientific research and collaboration with the Sydney Institute for Astronomy
- Aspen Institute Italia award \$20,000 07/01/17 – ... Scientific research and collaboration between Italy and the United States



- Sackler Distinguished Visitor Fellowship £15,000 01/01/19 – 08/15/19 Scientific research and collaboration with Institute of Astronomy astronomers
- Kavli Lecture £1000 01/01/19 – 08/15/19 Scientific research and collaboration with Kavli Institute for Cosmology Cambridge astronomers
- Clare Hall Visiting Fellowship £1500 01/01/19 – 08/15/19 Election based on overall scientific research record (this has now become a life-time appointment)

II.K.2. Gifts

II.K.3. Other

II.L. Submissions and Works in Progress

*List press, journal, or granting agency.*

II.L.1. Current Grant Applications

II.L.2. Manuscripts in Preparation

II.L.3. Manuscripts under Review (*indicate status: submitted or revising to resubmit*)

II.L.4. Working Papers in Preparation

II.L.5. Designs in Preparation

II.L.6. Other

II.M. Centers for Research, Scholarship, and Creative Activities

*Specify Name of the Center, Description of Center, Collaborators, Start and End Dates.*

II.M.1. Centers Established

II.M.2. Centers Directed

II.M.3. Symposia Organized (*through center*)

II.M.4. Other

II.N. Patents

II.N.1. Device

II.N.2. Other

II.O. Other Research/Scholarship/Creative Activities

### III. Teaching, Mentoring and Advising.

#### III.A. Courses Taught

*Include courses taught in the last five years. Indicate approximate enrollments and any unusual formats.*

- Spring 2020 ASTR620 "Galaxies" (10 graduate students)
- Fall 2018 ASTR100 "Introduction to Astronomy" (217 non-science majors)
- Fall 2017 ASTR101 "General Astronomy (w/ labs; 191 non-science majors)
- Spring 2017 ASTR101 "General Astronomy" (w/ labs; 195 non-science majors)
- Spring 2016 ASTR100 "Introduction to Astronomy" (230 non-science majors)
- Fall 2014 ASTR380 "Life in the Universe" (65 non-science majors)
- Fall 2013 ASTR380 "Life in the Universe" (56 non-science majors)
- Fall 2011 ASTR620 "Galaxies" (16 graduate students)

#### III.B. Teaching Innovations

III.B.1. Major Programs Established

III.B.2. Education Abroad Established

III.B.3. Software, Applications, Online Education, etc.

III.B.4. Instructional Workshops and Seminars Established

III.B.5. Course or Curriculum Development

III.B.6. Historical Innovations (10+ years ago)

- Developed two new courses for astronomy majors in the Fall 2001 and Spring 2002 semesters: "Galaxies" (ASTR498G, now called ASTR421) and "Cosmology" (ASTR498V, now called ASTR422).
- My NSF/CAREER grant was used to upgrade the University of Maryland Observatory and make better use of it for courses (e.g., ASTR310) and public viewing.
- Proposed modifications to ASTR 310 (Optical Astronomy Techniques) in the form of a revised syllabus submitted to J. Trasco in February 1997.
- Modernized the contents of ASTR 310 (Optical Astronomy Techniques), 2005.

III.B.7. Other

#### III.C. Advising: Research or Clinical

*This refers to students whose projects the faculty has supervised as adviser, committee chair, or committee member (indicate role). The name of student, academic year(s) involved, and the name of institution if other than UMD should be indicated, as well as placement of the student(s), if the project is completed. List completed work first.*

III.C.1. Undergraduate

- Melanie Freed (Undergraduate senior thesis 2001, University of Arizona)
- Michael Bergamo (Summer research project 2009)
- Ben Shaya (Summer research project 2010, MIT)
- Jason Hinkle (Undergraduate honors thesis 2017-19)
- Mehgna Sitaram (Undergraduate ASTR-PHYS honors thesis 2018-...)
- Jillian Kunze (Undergraduate ASTR-PHYS honors thesis 2019-...)

### III.C.2. Master's

- Lisa Mazzuca (primary advisor, 2nd-year project; M. Sc. 2001)
- Barbara Mattson (co-advisor, 2nd-year project; M. Sc. 2001)
- Stacy Teng (co-advisor w/ A. Wilson, 2nd-year project; M. Sc. 2004)
- Ashley Zauderer (primary advisor, 2nd-year project; M. Sc. 2005)
- Lisa Wei (committee member, 2nd-year project; M. Sc. 2006)
- Michael McDonald (primary advisor, 2nd-year project; M. Sc. 2009)
- Hannah Krug (primary advisor, 2nd-year project; M. Sc. 2009)
- Alex McCormick (primary advisor, 2nd-year project; M. Sc. 2010)
- Alex McCormick (primary advisor, Pre-candidacy research; M. Sc. 2011)
- Kory Kreimeyer (primary advisor, 2nd-year project; M. Sc. 2012)
- Kory Kreimeyer (primary advisor, Pre-candidacy research; M. Sc. 2012)
- John Capone (primary advisor, 2nd-year project; M. Sc. 2012)
- John Capone (primary advisor, Pre-candidacy research, M. Sc. 2012)
- Alice Olmstead (co-advisor w/ J. Rigby, 2nd-year project; M. Sc. 2012)
- Alice Olmstead (co-advisor w/ J. Rigby, Pre-candidacy research; M. Sc. 2012)
- Vicki Toy (primary advisor, 2nd-year project, M. Sc. 2013)
- Vicki Toy (primary advisor, Pre-candidacy research, M. Sc. 2013)
- Myra Stone (primary advisor, 2nd-year project, M. Sc. 2015)
- Tiara Hung (committee member, 2<sup>nd</sup>-year project, M. Sc. 2015)
- Blake Hartley (committee member, 2<sup>nd</sup>-year project, M. Sc. 2015)
- Pradip Gatkine (primary advisor, 2nd-year project, M. Sc. 2016)
- Jonathan Nikoleyczik (co-advisor, 2nd-year project, M. Sc. 2016)
- Robyn Smith (committee member, 2<sup>nd</sup>-year project, M. Sc. 2017)
- Weizhe Liu (primary advisor, 2<sup>nd</sup>-year project, M. Sc. 2018)
- Joseph Durbak (primary advisor; Pre-candidacy research, Physics M. Sc. 2018)
- Tomas Ahumada (committee member, 2<sup>nd</sup>-year project, M. Sc. 2019 [expected])

### III.C.3. Doctoral

- Mike Regan (committee member; Ph.D. 1996)
- Jack Gallimore (committee member; Ph.D. 1996)
- Andy Ptak (dean's representative; Ph.D. 1997, physics)
- Edward J. M. Colbert (co-advisor; Ph.D. 1997)
- Mark G. Allen (external committee member; Ph.D. 1999, astronomy, Australian National University, Australia)
- Arunav Kundu (co-advisor; Ph.D. 1999)
- Kip Kuntz (committee member; Ph.D. 2000)
- Lisa Kewley (external committee member; Ph.D. 2001, astronomy, Australian National University, Australia)
- Don Horner (committee member; Ph.D. 2001)
- Kartik Sheth (committee member; Ph.D. 2001)
- Scott T. Miller (advisor; Ph.D. 2002)
- Rachel Gibbons (co-advisor; Ph.D. 2002)
- David S. Rupke (advisor; Ph.D. 2004)
- James J. Marshall (committee member; Ph.D. 2004)
- Elizabeth Hays (dean's representative; Ph.D. 2004, physics)

- Vincent (Bram) Lillard (dean's representative; Ph.D. 2004, physics)
- Lisa Mazzuca (advisor; Ph.D. 2006)
- David Rosario (external committee member; Ph.D. 2007, astronomy, University of Virginia)
- Rachel Kuzio-deNaray (committee member; Ph.D. 2007)
- Laura Brenneman (committee member; Ph.D. 2007)
- Ji-Hoon Kim (committee member; Ph.D. 2007)
- Sonia Cianci (external committee member; Ph.D. 2007, physics, University of Sydney, Australia)
- Barbara Matson (committee member; Ph.D. 2008)
- Lisa Winter (committee member; Ph.D. 2008)
- Jacky Cooper (external committee member; Ph.D. 2008, astronomy, Australian National University, Australia)
- Lisa Wei (committee member; Ph.D. 2010)
- Stacy H. Teng (advisor; Ph.D. 2010)
- Ashley Zauderer (co-advisor w/ S. N. Vogel and A. Bolatto; Ph.D. 2010)
- Edmund Hodges-Kluck (committee member; Ph.D. 2011)
- Michael McDonald (primary advisor, Ph.D. 2011)
- Michael Koss (co-advisor w/ R. Mushotzky, Ph.D. 2011)
- Megan Decesar (committee member; Ph.D. 2013)
- Hannah Krug (primary advisor, Ph.D. 2013)
- Anne Lohfink (committee member; Ph.D. 2014)
- Dheeraj Reddy (committee member; Ph.D. 2014)
- Alex McCormick (primary advisor, Ph.D. 2015)
- Chris Better (external committee member; Ph.D. 2015, physics, University of Sydney, Australia)
- Frederic Vogt (external committee member; Ph.D. 2015, physics, Australian National University, Australia)
- John Capone (primary advisor, Ph.D. 2016)
- Tiecheng Zhu (co-advisor w/ M. Dagenais; Ph.D. 2016, Electrical and Computer Engineering, University of Maryland)
- Vicki Toy (primary advisor, Ph.D. 2017)
- Yang Meng (co-advisor w/ M. Dagenais; Ph.D. 2017, Electrical and Computer Engineering, University of Maryland)
- Emma Lindley (external committee member; Ph.D. 2017, physics, University of Sydney, Australia)
- Elise Hampton (external committee member, Ph.D. 2018, physics, Australian National University)
- Myra Stone (primary advisor, Ph.D. 2020 [expected])
- Pradip Gatikine (primary advisor; Ph.D. 2020 [expected])
- Yiwen Hu (co-advisor w/ M. Dagenais; Ph.D. 2020 [expected], Electrical and Computer Engineering, University of Maryland)
- Shengjie Xie (co-advisor w/ M. Dagenais, Ph.D. 2021 [expected], Electrical and Computer Engineering, University of Maryland)
- Jaihao Zhan (co-advisor w/ M. Dagenais, Ph.D. 2021 [expected], Electrical and Computer Engineering, University of Maryland)
- Robyn Smith (co-advisor w/ C. Reynolds, Ph.D. 2021 [expected])
- Weizhe Liu (primary advisor, Ph.D. 2021 [expected])
- Joseph Durbak (primary advisor, Physics Ph.D. 2022 [expected])

#### III.C.4. Post-doctoral and Research Scientists

- Ben Weiner (2004-06; primary advisor, now associate research scientist at the University of Arizona)
- Dong-Chan Kim (2004-08; primary advisor, now NRAO staff)
- David S. Rupke (2004-08; primary advisor, now professor, Rhodes College)
- Stacy Teng (co-advisor w/ R. Mushotzky, 2010-11; now research staff member at the Institute for Defense Analyses)
- Margaret Trippe (2009-13; primary advisor, now staff at the Johns Hopkins University Applied Physics Lab)
- Marcio Meléndez (2011 – 2015, primary advisor; now at STScI working on JWST)
- Francesco Tombesi (2014 – 2017, advisor and collaborator; now at U. Roma “Tor Vergata”)

### III.C.5. Other Research Directions (*K-12 Interactions*)

### III.D. Mentorship

#### III.D.1. Junior Faculty

- Astronomy Assistant Professor Michael Boylan-Kolchin (2013 – 2015)

#### III.D.2. Other

### III.E. Advising: Other than Research Direction

#### III.E.1. Undergraduate

#### III.E.2. Master’s

#### III.E.3. Doctoral

#### III.E.4. Post-doctoral

#### III.E.5. Other Advising Activities

*(Include advising student groups, special assignments, recruiting, etc.)*

### III.F. Professional and Extension Education

#### III.F.1. Professional Programs Established

#### III.F.2. Major Extension Programs

#### III.F.3. Workshops

#### III.F.4. Other

### III.G. Other Teaching Activities

- As Director of the Maryland -- NOAO collaboration, I organized the Graduate Summer School at Kitt Peak in July 2004, June 2005, and June 2007 to provide astronomy graduate students with some hands-on experience with the KPNO telescopes and instruments. These summer schools were a great success: in 2004, we had to limit the number of students to 8 because of space limitations at the telescopes! See the UMD-NOAO website (<http://minerva.astro.umd.edu/UMD-NOAO/>) for pictorial summaries of the 2004 and 2005 Summer Schools.

## **IV. Service and Outreach**

### IV.A. Editorships, Editorial Boards, and Reviewing Activities

*Include participation for journals and other learned publications (print and electronic).*

#### IV.A.1. Editorships

#### IV.A.2. Editorial Boards

#### IV.A.3. Reviewing Activities for Journals and Presses

- Reviewer for the Astrophysical Journal (~2-3 articles per year on average)
- Reviewer for the Astronomical Journal (~0.5 article per year on average)
- Reviewer for Monthly Notices of the Royal Astronomical Society (~0.5 article per year on average)
- Reviewer for Astronomy & Astrophysics (~0.5 article per year on average)
- Nature (~1 article per year on average)

#### IV.A.4. Reviewing Activities for Agencies and Foundations

- External reviewer, Templeton Foundation 2020
- Member, Gemini Fast Turnaround Programs, February and March 2019 competitions
- Member, FQRNT (= Quebec's ``NSF") Review Panel 2017 (Astrophysics committee)
- Chair, HST Time Assignment Committee 2014 (Extragalactic panel)
- Member, NSF Review Panel 2013 (MRI; turned down due to earlier commitments)
- Chair, HST Time Assignment Committee 2013 (Extragalactic panel; turned down due to earlier commitments)
- Chair, Chandra X-Ray Observatory Review Committee 2012 (Extragalactic panel)
- Member, HST Time Assignment Committee 2012 (Extragalactic panel)
- Member, FQRNT (= Quebec's ``NSF") Review Panel 2012 (Astrophysics committee)
- Member, NSF Review Panel 2011 (Extragalactic panel)
- Member, Hubble Fellowship Committee 2011
- Member, Spitzer Space Telescope Review Committee 2010 (Extragalactic panel)
- Chair, Chandra X-Ray Observatory Review Committee 2010 (Extragalactic panel [turned down this offer due to schedule conflict])
- Member, GALEX Time Assignment Committee 2009 (Extragalactic panel)
- Member, HST Time Assignment Committee 2008 (Extragalactic panel)
- Member, NSF Review Panel 2008 (Extragalactic panel)
- Member, Chandra X-Ray Observatory Review Committee 2007 (Extragalactic panel)
- Chair, Spitzer Space Telescope Review Committee 2007 (Extragalactic panel)
- Member, NSERC (Canada) Visiting Review Committee of TMT (Thirty-Meter Telescope) project 2006
- Member, Chrétien Prize Selection Committee, AAS 2006-09
- Member, NASA SST Fellowship Review Panel 2005
- Member, FCAR (Quebec) Review Panel of Astronomy Departments at McGill, Montreal, and Laval Universities 2005
- Member, NSF Review Panel 2002 (Extragalactic panel)
- Member, HST Time Assignment Committee 2001 (Extragalactic panel)
- Member, SUBARU Telescope Time Assignment Committee 2001-02
- Member, Telescopio Nazionale Galileo Time Assignment Committee 2001-02
- Member, Gemini/Keck (NIRSPEC) Time Assignment Committee 2000-01
- Member, La Palma International Time Program 1999
- Member, NASA/ROSAT X-ray Satellite Time Assignment Committee 1997
- Member, NSERC (Canada) Proposal Review Committee 1997
- Member, NASA/HST Time Assignment Committee 1995 (AGN panel)

IV.A.5. Reviewing Activities for Conferences

IV.A.6. Historical Editorships, etc. (10+ years ago)

IV.A.7. Other

IV.B. Committees, Professional & Campus Service

IV.B.1. Campus Service – Department

- Director, Optical 2003-present
- Chair, Second-Year Research Project Committee 2020
- Member, Faculty Search Committee 2020
- Member, Neil Gehrels Postdoctoral Fellowship 2020
- Member, Graduate Program Review committee 2020
- Member, Faculty Search Committee 2018-19
- Chair, Joint Space-Science Institute Colloquium Committee 2018
- Chair, Award Committee (Astronomy Department) 2017-18
- Member, Undergraduate Research Opportunities Committee (Astronomy Department) 2017-18
- Member, Internal Review Committee (Astronomy Department) 2016-17
- External referee, Joint Space-Science Institute Prize Postdoctoral Search 2016-17
- Chair, Strategic Plan Committee (Astronomy Department), 2015-16
- Member, Joint Space-Science Institute Prize Postdoctoral Search Committee 2015-16
- Member, Second-Year Research Committee 2013-14, 2014-15
- Chair, Joint Space-Science Institute Prize Postdoctoral Search Committee 2014-15
- Member, Joint Space-Science Institute Prize Postdoctoral Search Committee 2013-14
- Chair, Graduate Admission Committee 2013-14
- Mentor, Assistant Prof. Michael Boylan-Kolchin 2013-15
- Chair, Second-Year Research Committee 2011-12
- Member, Faculty Search Committee 2011-12
- Member, Colloquium Committee Fall 2010
- Member, Graduate Admission Committee 2009-10
- Presenter, External Review of Astronomy Department 2009
- Chair, APT Committee (Stacy McGaugh's promotion) 2008-09
- Chair, Promotion Committee (Tracy Huard's promotion) 2008-09
- Member, APT Committee (Cole Miller's promotion) 2008-09
- Member, APT Committee (Chris Reynolds' promotion) 2008-09
- Member, Physical Sciences Complex (PSC) Committee 2007-09
- Member, Internal Review Committee for Astronomy Department 2008
- Chair, Graduate Admission Committee 2007-08
- Member, Prize Committee 2007-08
- Chair, Faculty Search Committee 2006-07
- Member, APT Committee (Andy Harris' promotion) 2006-07
- Member, Salary Advisory Committee 2006 & 2007
- Member, Graduate Curriculum Committee 2005-06
- Chair, APT Committee (Ed Shaya's promotion) 2005-06
- Chair, Second-Year Project Review Committee 2004-05
- Chair, Colloquium Committee Spring 2004
- Member, APT Committee (Stacy McGaugh's promotion) 2002-03
- Chair, Optical/Infrared Telescope Committee 1995-2003

- Director, Graduate Studies 2000-02
- Chair, Salary Advisory Committee 2001-02
- Member, Salary Advisory Committee 2000-01
- Member, Internal Review Committee for Astronomy Department 2000
- Member, Second-Year Project Review Committee 1998-99
- Member, TA Prize Committee 1997, 1998, 2000, 2001, 2002
- Member, Faculty Search Committee 1997-98
- Chair, Graduate Admission Committee 1997-98
- Member, Graduate Admission Committee 1996-97
- Co-Chair, Colloquium Committee 1995-96

#### IV.B.2. Campus Service – College

- Chair, College APT Committee 2017-18
- Member, College APT Committee 2016-17
- Lead Co-chair, College APT Committee 2006-07
- Member, College APT Committee 2005-06
- Search Committee for Astronomy Chair 2002

#### IV.B.3. Campus Service – University

- Member, Data Management Committee 2010
- Member, University APT Committee 2008-09 (declined due to Humboldt Research Award)
- Member, Campus Senate 1999-2000

#### IV.B.4. Campus Service - Special Administrative Assignment

#### IV.B.5. Campus Service - Other

#### IV.B.6. Offices and Committee Memberships

- U.S. Member, Gemini Board 2013-16 (Vice-Chair 2014-16; Gen4#3 Subcommittee Chair 2016)
- Member, Australian Astronomy Observatory, User's Committee 2011-2014
- Member, NOAO/NEWFIRM Scientific Advisory Committee 2003-09

#### IV.B.7. Leadership Roles in Meetings and Conferences

- Scientific Organizing Committee (co-leader): “Enabling astrophysics with photonics”, Plenary session at the May 2020 AAS meeting #236 in Madison, Wisconsin
- Scientific Organizing Committee: “Nuclear activity in galaxies across cosmic time”, IAU international symposium 2019 (Addis Ababa, Ethiopia)
- Scientific Organizing Committee: “Radio Galaxies: Resolving the AGN Phenomenon”, Focus meeting at the IAU General Assembly 2018 (Vienna, Austria)
- Scientific Organizing Committee: “Elusive AGN in the Next Era”, international conference 2017 (George Mason University, Fairfax, Virginia)
- Scientific Organizing Committee: “Active Galactic Nuclei: What’s in a Name?”, ESO Workshop 2016 (Garching, Germany)
- Scientific Organizing Committee: “Radio Galaxies: Resolving the AGN Phenomena”, 41<sup>st</sup> COSPAR Scientific Assembly 2016 (Istanbul, Turkey)



- Scientific Organizing Committee: “The Physics of Supermassive Black Hole Formation and Feedback”, Joint Space-Science Institute, Maryland 2015 (Annapolis, Maryland)
- Scientific Organizing Committee: “Galactic Winds”, Ringberg Meeting 2013 (Ringberg Castle, Germany)
- Scientific Organizing Committee: “Seyfert Galaxies: Known and the Unknown”, 39th COSPAR Scientific Assembly 2012 (Mysore, India)
- Scientific Organizing Committee: “Outflows, Winds and Jets”, NRAO-NAASC 2012 Workshop (Charlottesville, Virginia)
- Scientific Organizing Committee: “Astronomy at High Angular Resolution” (AHAR11) conference on “The Central kiloparsec in galactic nuclei” 2011 (Bad Honnef, Germany)
- Scientific Organizing Committee: “The Starburst-AGN Connection under the Multiwavelength Limelight” 2011 (Villafranca del Castillo, Spain)
- Scientific Organizing Committee: “Star Formation in Galaxies: The Herschel Era” 2011 (Ringberg Castle, Germany)
- Scientific Organizing Committee: “Extreme Starbursts in the Local Universe” 2010 (Granada, Spain)
- Scientific Organizing Committee: “Extreme Starbursts” 2005 (Lijiang, China)
- Scientific Organizing Committee: “Astrophysics of Gaseous Nebulae and Active Galactic Nuclei” 2004 (Santa Cruz, California)
- Scientific Organizing Committee: “Structure and Dynamics in the Local Universe” 2003 (Sydney, Australia)
- Scientific Organizing Committee: “Galaxies: The Third Dimension” 2001 (Cozumel, Mexico)

#### IV.B.8. Other Non-University Committees, Memberships, Panels, etc.

- Member-at-large on several appointment, promotion, and tenure committees
- External reviewer for CFHT, WHT, AAT, and Gemini/Canada observing proposals (~2-4 per year in 1995-2013)

#### IV.B.9. Historical Committees, etc. (10+ years ago)

#### IV.B.10. Other

### IV.C. External Service and Consulting

#### IV.C.1. Community Engagements, Local, State, National, International

- Judge, 2005 Robert Goddard French Immersion School Science Fair on December 7, 2005.
- Judge, 1999 Hyattsville Middle School Science Fair on February 25, 1999
- Referee, 1998 Maryland Junior Science and Humanities Symposium, “The Adventure of Science - - Catch the Spirit, VII”; paper written by Andrew Waterman from Montgomery Blair High School on the “Infall and Rotation Stability of Virgo Cluster Spiral Galaxies”.

#### IV.C.2. International Activities

- U.S. Member, Gemini Board 2013-16 (Vice-Chair 2014-16; Gen4#3 Subcommittee Chair)
- Member, Australian Astronomy Observatory, User's Committee 2011-2014

#### IV.C.3. Corporate and Other Board Memberships

#### IV.C.4. Entrepreneurial Activities

#### IV.C.5. Consultancies (to local, state and federal agencies; companies; organizations)

#### IV.C.6. Historical External Service and Consulting (10+ years ago)

#### IV.C.7. Other

### IV.D. Non-Research Presentations

#### IV.D.1. Outreach Presentations

- October 2019: Astronomy Observatory Public Open House, College Park (popular seminar)
- June 2017: Astronomy Observatory Public Open House, College Park (popular seminar)
- July 2005: Astronomy Observatory Public Open House, College Park (popular seminar)
- May 2002: Astronomy Observatory Public Open House, College Park (popular seminar)
- May 2001: Astronomy Observatory Public Open House, College Park (popular seminar)
- June 2000: Astronomy Observatory Public Open House, College Park (popular seminar)
- June 1999: Astronomy Observatory Public Open House, College Park (popular seminar)
- June 1997: Astronomy Observatory Public Open House, College Park (popular seminar)
- March 1996: Astronomy Observatory Public Open House, College Park (popular seminar)

#### IV.D.2 Other

### IV.E. Media Contributions

#### IV.E.1. Internet

#### IV.E.2. TV

#### IV.E.3. Radio

#### IV.E.4. Digital Media

#### IV.E.5. Print Media

#### IV.E.6. Blogs

#### IV.E.7. Feeds

#### IV.E.8. Other

### IV.F Community & Other Service

## **V. Awards, Honors and Recognition**

### V.1. Research Fellowships, Prizes and Awards

- Clare Hall Lifetime Membership (elected), University of Cambridge, Cambridge, United Kingdom (Dec 2019)
- Kavli Prize Lecture (first ever), Kavli Institute for Cosmology Cambridge (KICC), University of Cambridge, Cambridge, United Kingdom (2019)
- Sackler Distinguished Visiting Fellowship, Institute of Astronomy, University of Cambridge, Cambridge, United Kingdom (2019)
- Clare Hall Visiting Fellowship, University of Cambridge, Cambridge, United Kingdom (Jan-Aug 2019)
- Aspen Institute Italia Award (with F. Tombesi; 2017)
- Hunstead Visiting Fellowship, University of Sydney, Australia (Fall 2016)
- John Simon Guggenheim Memorial Foundation Fellowship (Spring 2015)
- Keck Foundation Award (2013)
- “Research Leaders” (success in research funding), U. Maryland (2004, 2006, 2012, 2013, 2015, 2016, 2017)
- “Humboldt Prize” (Humboldt Research Award to Senior U.S. Scientists – Renewed Visit), Alexander von Humboldt Foundation (Fall-Winter 2012)

- Senior NASA (NPP) Fellowship, Goddard Space Flight Center (Spring- Summer 2012)
- “Humboldt Prize” (Humboldt Research Award to Senior U.S. Scientists), Alexander von Humboldt Foundation (2009)
- Graduate Research Board Award, U. Maryland (Fall 2002)
- NSF/CAREER (5-year) Award (1999-2004)
- Cottrell (5-year) Scholarship (1998-2003)
- NASA/LTSA (5-year) Award (1997-2002)
- Hubble Postdoctoral Fellowship (1992-1995)
- NSERC (Canada) Postdoctoral Fellowship (1989-91)
- FCAR (Quebec) Postgraduate Scholarship (1988-89)
- NSERC (Canada) Postgraduate Scholarship (1984-88)
- UC Regents Fellowship, UC Santa Cruz (1984-85)
- NSERC (Canada) Summer Fellowship (1982)
- Undergraduate Scholarship, U. of Montreal (1981)

V.2 Teaching Awards

V.3 Service Awards and Honors

V.4 Recognition in Media

V.5 Other Special Recognition

## **VI. Other Information**