CURRICULUM VITAE

WAYNE ALAN BARKHOUSE

Present Address:

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Born:

14 August 1964, Toronto, Ontario
Citizenship: Canada

Education:

Ph.D.	Astronomy	University of Toronto	2003
M.Sc.	Astronomy	Saint Mary's University	1996
B.Sc.	Physics	Saint Mary's University	1992

Experience:

2007 - Present	Assistant Professor, University of North Dakota
2005 - 2007	Post-doctoral Researcher, University of Illinois
2002 - 2005	Post-doctoral Research Astrophysicist, Harvard-Smithsonian, CfA
2001 - 2002	Assistant Professor (contractually limited term appointment), Dept. of Astronomy & Astrophysics, University of Toronto
2000 - 2005	Editor-in-Chief, Journal of the Royal Astronomical Society of Canada
1999 - 2002	Computer Administration Assistant, Dept of Astronomy & Astrophysics, University of Toronto
1996 - 2001	Teaching Assistant, Dept. of Astronomy & Astrophysics, University of Toronto
1994 - 1995	Research Assistant, Dept. of Astronomy & Physics, Saint Mary's University
1993 - 1996	Teaching Assistant, Dept. of Astronomy & Physics, Saint Mary's University
1985 - 1995	Full-time employee at National Sea Products Limited, Nova Scotia, Canada

Teaching Experience:

2007 - 2008	PHYS110: Introductory Astronomy	Physics Dept., UND
2001 - 2002	AST201: Stars and Galaxies	Dept. of Astronomy & Astrophysics, Univ. of Toronto

Student Mentorship:

2007 - present	Adrian Popescu	University of North Dakota
2006 - 2007	Sean Boyer	University of Illinois
2003	Daniel Perley	Harvard-Smithsonian, CfA

Honours & Awards:

2000 - 2001	Walter C. Sumner Fellowship Award, University of Toronto
2000	Gordon Cressy Student Leadership Award, University of Toronto
2000	Fieldus Departmental Award, University of Toronto
1999 - 2000	Helm Fellowship, University of Toronto
1999 - 2000	University of Toronto Open Fellowship
1998 - 1999	Helm Fellowship, University of Toronto
1998 - 1999	University of Toronto Open Fellowship

Research Grants:

1) SSAC Research Award, UND, PI Wayne Barkhouse, 2007, $1360, 4 months, Quantifying Environmental Effects on the Star Formation Rate of Cluster Dwarf Galaxies

2) NSF Award AST, NSF, PI Joe Mohr, 2007, $650,000, 15 months, Data Management for the Dark Energy Survey

3) NASA XMM-Newton AO-6, NASA, 2007, PI Joe Mohr, one year, $76,006, A Coordinated XMM, SZE, and Optical Survey for Galaxy Cluster Cosmology

4) NSF AST Award, NSF, 2007, PI Joe Mohr, one year, $119,733, Collaborative Research: Taking Measure of the Universe with Galaxy and Cluster Surveys

5) NASA Chandra X-ray Center Archival Research Grant, NASA, 2007, PI Paul Green, one year, $119,000, AGN and Galaxies from the ChaMP

6) NASA Chandra X-ray Center Archival Research Grant, NASA, 2006, PI Paul Green, one year, $153,000, The History of Supermassive Black Hole Accretion from the ChaMP

7) NASA Chandra X-ray Center Archival Research Grant, NASA, 2005, PI Paul Green, one year, $240,000, X-ray Quasars, Buried AGN, and Clusters from the ChaMP

Publications:

Refereed:

1) **Barkhouse**, W.A., Yee, H.K.C., & López-Cruz, O. 2007, The Galaxy Population of Low-Redshift Abell Clusters, submitted to ApJ

2) Silverman, J.D., Green, P.J., **Barkhouse**, W.A., Kim, D.-W., Kim, M., Wilkes, B.J., Cameron, R.A., Hasinger, G., Jannuzi, B.T., Smith, M.G., Smith, P.S., & Tananbaum, H. 2008, The luminosity function of X-ray selected Active Galactic Nuclei: Evolution of supermassive black holes at high redshift, submitted to ApJ

3) Gilbank, D.G., Yee, H.K.C., Ellingson, E., Gladders, M.D., Loh, Y.-S., Barrientos, L.F., & **Barkhouse**, W.A. 2008, The Red-Sequence Luminosity Function in Galaxy Clusters since $z \sim 1$, accepted for publication in ApJ

4) **Barkhouse**, W.A., Yee, H.K.C., & López-Cruz, O. 2007, The Luminosity Function of Low-Redshift Abell Galaxy Clusters, ApJ, 671, 1471

5) Kim, M., Wilkes, B.J., Kim, D.-W., Green, P.J., **Barkhouse**, W.A., Lee, M.G., Silverman, J.D., & Tananbaum, H.D. 2007, Chandra Multiwavelength Project X-Ray Point Source Number Counts and the Cosmic X-Ray Background, ApJ, 659, 29

6) Kim, M., Kim, D.-W., Wilkes, B.J., Green, P.J., Kim, E., Anderson, C.S., **Barkhouse**, W.A., Evans, N.R., Ivezic, Z., Karovska, M., Kashyap, V.L., Lee, M.G., Maksym, P., Mossman, A.E., Silverman, J.D., & Tananbaum, H.D. 2007, Chandra Multiwavelength Project X-Ray Point Source Catalog, ApJS, 169, 401

7) **Barkhouse**, W.A., Green, P.J., Vikhlinin, A., Kim, D.-W., Perley, D., Cameron, R., Silverman, J., Mossman, A., Burenin, R., Jannuzi, B.T., Kim, M., Smith, M.G., Smith, R.C., Tananbaum, H., & Wilkes, B.J. 2006, ChaMP Serendipitous Galaxy Cluster Survey, ApJ, 645, 955

8) Kim, D.-W., **Barkhouse**, W.A., Romero-Colmenero, E., Green, P.J., Kim, M., Mossman, A., Schlegel, E., Silverman, J.D., Aldcroft, T., Anderson, C., Ivezic, Z., Kashyap, V., Tananbaum, H., & Wilkes, B.J. 2006, Chandra Multiwavelength Project: Normal Galaxies at Intermediate Redshift, ApJ, 644, 829

9) Silverman, J.D., Green, P.J., **Barkhouse**, W.A., Cameron, R.A., Foltz, C., Jannuzi, B.T., Kim, D.-W., Kim, M., Mossman, A., Tananbaum, H., Wilkes, B.J., Smith, M.G., Smith, R.C., & Smith, P.S. 2005, Comoving Space Density of X-Ray-selected Active Galactic Nuclei, ApJ, 624, 630

10) Silverman, J.D., Green, P.J., **Barkhouse**, W.A., Kim, D.-W., Aldcroft, T.L., Cameron, R.A., Wilkes, B.J., Mossman, A., Ghost, H., Tananbaum, H., Smith, M.G., Smith, R.C., Smith, P.S., Foltz, C., Wik, D., & Jannuzi, B.T. 2005, Hard X-Ray-emitting Active Galactic Nuclei Selected by the Chandra Multiwavelength Project, ApJ, 618, 123

11) López-Cruz, O., **Barkhouse**, W.A., & Yee, H.K.C. 2004, The Color-Magnitude Effect in Early-Type Cluster Galaxies, ApJ, 614, 679

12) Schwartz, D.A., Silverman, J., Birkinshaw, M., Karovska, M., Aldcroft, T., **Barkhouse**, W., Green, P., Kim, D.-W., Wilkes, B.J., & Worrall, D.M. 2004, Discovery of a Jetlike Structure at the High-Redshift QSO CXOMP J084128.3+131107, ApJ, 605, 105

13) Green, P.J., Silverman, J.D., Cameron, R.A., Kim, D.-W., Wilkes, B.J., **Barkhouse**, W.A., LaCluyze, A., Morris, D., Mossman, A., Ghosh, H., Grimes, J.P., Jannuzi, B.T., Tananbaum, H., Aldcroft, T.L., Baldwin, J.A., Chaffee, F.H., Dey, A., Dosaj, A., Evans, N.R., Fan, X., Foltz, C., Gaetz, T., Hooper, E.J., Kashyap, V.L., Mathur, S., McGarry, M.B., Romero-Colmenero, E., Smith, M.G., Smith, P.S., Smith, R.C., Torres, G., Vikhlinin, A., Wik, D.R. 2004, The Chandra Multiwavelength Project: Optical Follow-up of Serendipitous Chandra Sources, ApJS, 150, 43

14) White, P.M., Bothun, G., Guerrero, M.A., West, M.J., **Barkhouse**, W.A. 2003, Extraordinary Diffuse Light in Hickson Compact Group 90, ApJ, 585, 739

15) **Barkhouse**, W.A., West, M.J., & Bothun, G. 2001, Globular Cluster Population of Hickson Compact Group 22a and 90c, ApJ, 562, 679

16) **Barkhouse**, W.A., & Hall, P.B. 2001, Quasars in the 2MASS Second Incremental Data Release, AJ, 121, 2843

Non-refereed:

1) Menanteau, F., Hughes, J. P., Jimenez, R., **Barkhouse**, W., Berta, Z., Hansen, S., Hernandez-Monteagudo, C., Kosowsky, A., Lin, Y.T., Moodley, K., Ngeow, C., Roche, N., Spergel, D., Tucker, D., Verde, L. 2007, Sunyaev-Zeldovich Predictions for the Atacama Cosmology Telescope, AAS Meeting 210, #077.05

2) **Barkhouse**, Wayne, Hacker, T., Song, J., & Mohr, J. J. 2007, Optical Galaxy Cluster Detection in SDSS DR5, AAS Meeting 209, #215.02

3) Green, Paul J., **Barkhouse**, W. A., Aldcroft, T. L., Kim, D., Mossman, A., Richards, G., Weinstein, M., and the ChaMP Collaboration 2007, AAS Meeting 209, #52.02

4) Ngeow, Chow Choong, Mohr, J. J., **Barkhouse**, W., Alam, T., Beldica, C., Cai, D., Daues, G., Duda, P., Annis, J., Lin, H., Tucker, D., Rest, A., Smith, C., Lin, Y., High, W., Hansen, S., Brodwin, M., Allam, S. 2007, AAS Meeting 209, #22.06

5) Tucker, D.L., Annis, J.T., Lin, H., Kent, S., Stoughton, C., Peoples, J., Allam, S., Mohr, J.J., **Barkhouse**, W.A., Ngeow, C., Alam, T., Beldica, C., Cai, D., Daues, G., Plante, R., Miller, C., Smith, C., Suntzeff, N.B., for the Dark Energy Survey Collaboration 2006, Photometric Calibration of the DES, in The Future of Photometric, in Spectrophotometric and Polarimetric Standardization, ASP Conf. Ser. 364, ed. C. Sterken (ASP: San Francisco), 187

6) Kim, D.-W., **Barkhouse**, W.A., et al. 2006, Chandra Multiwavelength Project: Normal Galaxies at Intermediate Redshift, in IAU Symp. 235, Galaxy Evolution Across the Hubble Time, S235, #229

7) **Barkhouse**, W.A., et al. 2006, A Data Management System for the Dark Energy Survey, AAS Meeting 208, #62.02

8) **Barkhouse**, W.A., et al. 2006, The Blanco Cosmology Survey: Optical Galaxy Cluster Detection, CASCA Meeting

9) Ngeow, C., Mohr, J.J., Alam, T., **Barkhouse**, W.A., et al. 2006, Cyber-infrastructure to support science and data management for the Dark Energy Survey, SPIE, 6270, 627023, 2006 (astro-ph/0608246)

10) Kim, D.-W., **Barkhouse**, W.A., Green, P.J., Colmenero, E.R., Kim, M., Mossman, A., Schlegel, E., Silverman, J.D., Aldcroft, T., Anderson, C., Tananbaum, H., & Wilkes, B.J. 2005, Chandra Multiwavelength Project (ChaMP): Normal Galaxies at Intermediate Redshift, in IAU Symp. 230, Populations of High Energy Sources in Galaxies, ed. E.J.A. Meurs & G. Fabbiano (Cambridge: Cambridge University Press), 436

11) Smith, M.G., Norman, D., Green, P., Silverman, J., **Barkhouse**, W., Wilkes, B., Glikman, E., & Helfand, D. 2005, Exploring the Nature of Red Quasars - an Update, in The Cool Universe: Observing Cosmic Dawn, ASP Conf. Ser. 344, ed. C. Lidman & D. Alloin (ASP: San Francisco), 101

12) Perez, L.M., Smith, M.G., Wilkes, B.J., Green, P.J., Mossman, A., Kim, M., Januzzi, B.T., **Barkhouse**, W.A., Silverman, J.D., Smith, P.S., Norman, D., & Kim, D.-W. 2005, A Search for Faint, Red Quasars: An Early Status Report, AAS Meeting 207, #174.02

13) Green, P.J., Silverman, J.D., **Barkhouse**, W.A., Kim, D.-W., Kim, M., Wilkes, B.J., Mossman, A.E., & Tananbaum, H. 2005, High Redshift X-ray Luminous Quasars from the ChaMP, AAS Meeting 207, #20.04

14) Silverman, J., Green, P., **Barkhouse**, W., Cameron, R., Kim, M., Kim, D.-W., Wilkes, B., Hasinger, G. 2005, Extending the X-ray luminosity function of AGN to high redshift, to appear in Proc. The X-ray Universe 2005, San Lorenzo de El Escorial, Spain

15) **Barkhouse**, W.A., Green, P.J., Vikhlinin, A., Perley, D., Wilkes, B.J. 2004, ChaMP Serendipitous Galaxy Cluster Survey, AAS Meeting 205, #75.05

16) Green, P.J., Silverman, J.D., Aldcroft, T.L., **Barkhouse**, W.A., Cameron, R.A., Foltz, C.J., Jannuzi, B.T., Kim, D.-W., Kim, M., Mossman, A.E., Smith, M.G., Smith, R.C., Smith, P.S., Tananbaum, H., Wilkes, B.J. 2004, High Redshift Evolution of X-ray-Selected AGN, AAS HEAD Meeting 8, #32.06

17) Green, P.J., Aldcroft, T.L., **Barkhouse**, W.A., Cameron, R.A., Kim, D.-W., Kim, M., Mossman, A.E., Silverman, J.D., Wilkes, B.J., Vikhlinin, A., & Ivezic, Z. 2004, Evolution of AGN and Clusters in the Chandra Multiwavelength Project, AAS Meeting 204, #23.02

18) Aldcroft, T.L., Silverman, J.D., Green, P.J., Kim, D.-W., **Barkhouse**, W.A., Cameron, R.A., Mossman, A., Wilkes, B.J., Ghosh, H., Jannuzi, B. 2004, X-ray Spectral Fitting of AGN in the ChaMP, in Multiwavelength AGN Surveys, ed. R. Mújica & R. Maiolino (World Scientific Publishing Company: Singapore), 33

19) Silverman, J., Green, P., Wilkes, B., **Barkhouse**, W., Kim, D., & Aldcroft, T. 2004, Unveiling the AGN Population with ChaMP's X-ray Vision, in Multiwavelength AGN Surveys, ed. R. Mújica & R. Maiolino (World Scientific Publishing Company: Singapore), 21

20) Green, P.J., **Barkhouse**, W.A., Cameron R.A., Kim, D.-W., Silverman, J., & Wilkes, B.J. 2004, The Chandra Multiwavelength Project (ChaMP), Chandra Newsletter, 11, 21

21) Cameron, R.A., **Barkhouse**, W.A., Green, P.J., Mossman, A.E., Silverman, J.D., & Wilkes, B.J. 2004, The Chandra Multiwavelength Project (ChaMP): Optical Data Processing and Catalog Generation, in Astronomical Data Analysis Software and Systems (ADASS) XIII, ASP Conf. Ser. 314, ed. F. Ochsenbein, M.G. Allen, & D. Egret (ASP: San Francisco), 34

22) Silverman, J., Green, P., Aldcroft, T., Kim, D., **Barkhouse**, W., Cameron, R., & Wilkes, B. 2004, X-ray Emitting AGN Unveiled by the Chandra Multiwavelength Project, in AGN Physics with the Sloan Digital Sky Survey, ASP Conf. Ser. 311, ed. G.T. Richards & P.B. Hall (ASP: San Francisco), 321

23) Perley, D.A., Green, P.J., **Barkhouse**, W.A., Kim, D.-W., Silverman, J.D., Maksym, P.W., & Cameron, R.A. 2003, Explorations in Multiwavelength Cluster Detection Using Chandra, AAS Meeting 203, #89.03

24) Green, P.J., Aldcroft, T.L., Silverman, J.D., Kim, D.-W., **Barkhouse**, W.A., Cameron, R.A., Ghosh, H., Jannuzi, B., Mossman, A., & Wilkes, B.J. 2003, Optical vs. X-ray Evidence for Absorption in the ChaMP, AAS Meeting 203, #63.01

25) **Barkhouse**, W.A. 2003, Environmental Impact on Cluster Dwarf Galaxy Evolution, AAS Meeting 203, #30.06

26) **Barkhouse**, W.A. 2003, Editorial, JRASC, 97, 192

27) **Barkhouse**, W.A. 2003, Editorial, JRASC, 97, 116

28) **Barkhouse**, W. 2003, Forces of Low-Mass Destruction: The Harsh Cluster Environment, AAS Meeting 202, #19.02

29) Schwartz, D.A., **Barkhouse**, W., Birkinshaw, M., Green, P.J., Karovska, M., Kim, D.-W., Silverman, J., & Wilkes, B. 2003, Discovery of a Jet-Like Structure at the High Redshift Quasar J0841+1311, AAS Meeting 202, #18.03

30) **Barkhouse**, W.A. 2003, Editorial, JRASC, 97, 4

31) **Barkhouse**, W.A. 2003, A Wide-Field Imaging Survey of Low-Redshift Galaxy Clusters, Ph.D thesis, University of Toronto

32) **Barkhouse**, W.A. 2002, Editorial, JRASC, 96, 180

33) **Barkhouse**, W.A. 2002, Editorial, JRASC, 96, 88

34) **Barkhouse**, W.A. 2002, Editorial, JRASC, 96, 4

35) **Barkhouse**, W.A., Yee, H.K.C., & Lopez-Cruz, O. 2002, Photometric properties of low redshift galaxy clusters, in Highlights of Astronomy, Vol. 12, ed. H. Rickman (ASP: San Francisco), 534

36) **Barkhouse**, W.A., Yee, H.K.C., & Lopez-Cruz, O. 2002, Brightest Cluster Galaxy Formation in Low-Redshift Galaxy Clusters, in Tracing Cosmic Evolution with Galaxy Clusters, ASP Conf. Ser. 268, ed. S. Borgani, M. Mezzetti, & R. Valdarnini (ASP: San Francisco), 289

37) **Barkhouse**, W.A., Yee, H.K.C., & Lopez-Cruz, O. 2001, Composite Luminosity Function of Low-Redshift Galaxy Clusters, AAS Meeting 199, BAAS, 34, 573

38) **Barkhouse**, W.A. 2002, Editorial, JRASC, 95, 128

39) **Barkhouse**, W.A. 2001, Editorial, JRASC, 95, 48

40) **Barkhouse**, W.A., & Burns, C.R. 2000, Improving the teaching of Astronomy 101 through Tutorials, JRASC, 94, 252

41) **Barkhouse**, W.A. 2000, Editorial, JRASC, 94, 208

42) **Barkhouse**, W.A. 2000, Photometric Survey of Low Redshift Galaxy Clusters, AAS Meeting 197, BAAS, 32, 1561

43) **Barkhouse**, W.A., & Burns, C.R. 2000, Astronomy Public Tour Program at the University of Toronto, AAS Meeting 197, BAAS, 32, 1494

44) **Barkhouse**, W.A. 2000, Editorial, JRASC, 94, 148

45) **Barkhouse**, W.A., Yee, H.K.C., & Lopez-Cruz, O. 2000, Unveiling Dwarf Galaxies in Low Redshift Galaxy Clusters, in New Cosmological Data and the Values of the Fundamental Parameters, IAU Symposium 201, 41

46) **Barkhouse**, W.A., Yee, H.K.C., & Lopez-Cruz, O. 2000, Photometric Properties of Low Redshift Galaxy Clusters, in Cluster Mergers and their Connection to Radio Sources, IAU JD #10, 11

47) **Barkhouse**, W.A., Yee, H.K.C., & Lopez-Cruz, O. 2000, Photometric Properties of Low Redshift Galaxy Clusters, in Cosmic Evolution and Galaxy Formation: Structure, Interactions, and Feedback, ASP Conf. Ser. 215, ed. J. Franco, L. Terlevich, O. López-Cruz, & I. Aretxaga (ASP: San Francisco), 57

48) Gladders, M.D., Clarke, T.E., Burns, C.R., Attard, A., Casey, M.P., Hamilton, D., Mallen-Ornelas, G., Karr, J.L., Poirier, S.M.; Sawicki, M., Barrientos, F., **Barkhouse**, W., Brodwin, M., Clark, J., McNaughton, R., Ruetalo-Pacheco, M., Mochnacki, S.W. 1999, The DDO Intermediate-Velocity Cloud Distance Project, in Stromlo Workshop on High-Velocity Clouds, ASP Conf. Ser. 166, ed. B.K. Gibson, & M.E. Putman (ASP: San Francisco), 45

49) **Barkhouse**, W.A., West, M.J., & Bothun, G. 1996, Globular cluster populations of Hickson compact groups, AAS Meeting 189, BAAS, 24, 1354

50) **Barkhouse**, W.A., West, M.J., & Bothun, G. 1996, The globular cluster population of Hickson Compact Group 22a (NGC 1199), JRASC, 90, 309

51) **Barkhouse**, W.A., & Mitchell, G. 1995, The Abundance of Atomic Carbon in Outflows, JRASC, 89, 173

Papers in Preparation:

1) **Barkhouse**, W.A., Green,P.J., Cameron,R.A., Baldwin, J.A., Dosaj, A., Ghosh, H., Ivezic, Z., Jannuzi, B.T., Kim, D.-W., LaCluyzé, A., Morris, D., Mossman, A., Silverman, J.D., Smith, M.G., Smith, R.C., Tananbaum, H., & Wilkes, B.J. 2008, The Chandra Multiwavelength Project: Optical Paper II, to be submitted early 2008

2) Green, P.J., Aldcroft, T.L., Kim, D.-W., Kim, M., Richards, G.T., Silverman, J.D., Mossman, A., **Barkhouse**, W.A., Vikhlinin, A., Haggard, D., Anderson, S.F., Karovska, M., Wilkes, B.J., & Tananbaum, H. 2008, A Year's Worth of Chandra Exposure for SDSS Quasars via the Chandra Multiwavelength Project, to be submitted early 2008

3) **Barkhouse**, W.A., Yee, H.K.C., & López-Cruz, O. 2008, A Wide-Field Imaging Survey of Low-Redshift Abell Clusters, to be submitted early 2008

Conferences Attended:

AAS Meeting	Jan 2007	Seattle, USA	poster
AAS Meeting	Jun 2006	Calgary, Canada	talk
CASCA Annual Meeting	Jun 2006	Calgary, Canada	poster
SPIE Annual Meeting	May 2006	Orlando, USA	talk+poster
Dark Energy Survey Collaboration Meeting	Oct 2005	Ann Arbor, USA	
AAS Meeting	Jan 2005	San Diego, USA	talk
Dark Energy and X-ray Surveys Workshop	Jan 2004	Greenbelt, USA	poster
AAS Meeting	Jan 2004	Atlanta, USA	talk
X-ray Astronomy School	May 2003	Wallops Island, USA	
AAS Meeting	Jan 2002	Washington, D.C., USA	poster
Sesto 2001 Workshop	Jul 2001	Sesto, Italy	talk
AAS Meeting	Jan 2001	San Diego, USA	talk
IAU General Assembly Symposium 201	Aug 2000	Manchester, UK	poster
IAU General Assembly Joint Discussion 10	Aug 2000	Manchester, UK	poster
Galaxy Environment Workshop	Aug 2000	Birmingham, UK	poster
ASP Cosmos in the Classroom Symposium	Jul 2000	Pasadena, USA	paper
CASCA Annual Meeting	May 2000	Vancouver, Canada	talk
Third Guillermo Haro Astrophysics Conference	Nov 1999	Puebla, Mexico	poster
Large-scale Structure & Clusters of Galaxies	Jul 1999	Tonantzintla, Mexico	talk
CASCA Annual Meeting	Jun 1999	Halifax, Canada	talk
13th Kingston Meeting on Astrophysics	Oct 1998	Hamilton, Canada	poster
Formation & Evolution of Galaxies	Jul 1998	Tonantzintla, Mexico	talk
CASCA Annual Meeting	May 1998	Quebec City, Canada	talk
CFHT User's Meeting	May 1998	Quebec City, Canada	
AAS Meeting	Jan 1997	Toronto, Canada	talk
CASCA Annual Meeting	May 1996	Kingston, Canada	talk
CASCA Annual Meeting	May 1995	Penticton, Canada	poster

Professional Reviews:

Publication Referee for Astrophysical Journal
Observing Proposal Referee for CFHT (CTAC)
Observing Proposal Referee for Gemini (CTAC)

Telescope Observing Time Awarded:

Chandra X-ray Observatory:
(archive proposal)

Canada-France-Hawaii Telescope:
3.6-m (CFH12K/optical imager; MegaCam/optical imager)

Gemini:
8-m (GMOS/spectroscopy)

Kitt Peak National Observatory:
4-m (MOSAIC/optical imager; FLAMINGOS/near-IR imager), 2.1-m (CCD/optical imager)

0.9-m (MOSAIC/optical camera), WIYN 3.5-m (Hydra/spectroscopy)

Cerro Tololo Inter-American Observatory:
4-m (MOSAIC/optical imager; ISPI/near-IR imager)

Las Campanas:
Magellan 6.5-m (IMACS/imaging & spectroscopy; PANIC/near-IR imager)

Multiple Mirror Telescope:
6.5-m (Hectospec/spectroscopy)

Fred Lawrence Whipple Observatory:
1.2-m (4shooter mosaic optical imager), 1.5-m (FAST/spectroscopy)

South African Astronomical Observatory:
1.9-m (spectroscopy)

David Dunlap Observatory:
1.9-m (spectroscopy)

Invited Talks:

2008	Space Studies, University of North Dakota, Grand Forks, USA
2007	Dept. of Astronomy, Princeton University, Princeton, USA
2007	Dept. of Astronomy & Physics, Saint Mary's University, Halifax, Canada
2007	Dept. of Physics, University of North Dakota, Grand Forks, USA
2007	Dept. of Physics, Central Michigan University, Mount Pleasant, USA
2006	Dept. of Astrophysics, INAOE, Tonantzintla, Mexico
2002	Dept. of Astronomy & Physics, Saint Mary's University, Halifax, Canada
1999	Royal Astronomical Society of Canada, Toronto Centre
1998	Toronto West Chapter of the Engineering Society
1997	Toronto Wolf Cub Chapter

Society Membership:

1996 - Present	American Astronomical Society
1995 - Present	Canadian Astronomical Society
1992 - Present	Royal Astronomical Society of Canada

Elected Positions:

1998 - 2001	Univ. of Toronto, Graduate Student Representative for the Canadian Astronomical Society
1998 - 2000	President of the Graduate Astronomy Student Association, Univ. of Toronto

Committees:

2007-	M.S. Graduate Thesis Committee for Rowen Poole, Space Studies, UND
2007-	Ph.D. Graduate Thesis Committee for Dean Smith, Physics Department, UND
2007-08	Student Grievance Committee, Physics Department, UND
2007-08	Library Committee, Physics Department, UND
1999	Member of the Dept. of Astronomy & Astrophysics Chair Search Committee, Univ. of Toronto
1999	Contributor to Raising Our Sights Committee, Univ. of Toronto
1998	Contributor to External Review Committee, Dept. of Astronomy & Astrophysics, Univ. of Toronto

Public Outreach:

2007	Founder and organizer of the Physics Department, UND, astronomy public tour program
1998 - 2000	Founder and organizer of the Dept. of Astronomy & Astrophysics, University of Toronto, public observing tour program
2000	Television interview, Space: The Imagination Station (Canadian cable channel)
2000	Television Interview, CityTV, local Toronto TV station
1999	Radio interview, 680 News, local Toronto radio station
1998	Television interview, The New VR, local Toronto TV station
1996 - 2001	Participated in annual Astronomy Day activities