

CURRICULUM VITAE

Bradley M. Peterson

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Birth: 26 November 1951, Minneapolis, Minnesota
Citizenship: USA
Marital Status: Married Janet R. Cook (b. 28 July 1952),
on 19 October 1978. Four children: Evan,
Erika, Elizabeth, and Ellyn.

Education: Doctor of Philosophy in Astronomy
University of Arizona, Tucson
31 December 1978

Bachelor of Physics with High Distinction
University of Minnesota, Minneapolis
15 June 1974

Appointments Held:

2015 July – present: Professor Emeritus, Department of Astronomy,
The Ohio State University

2006 November – 2015 June: Chair, Department of Astronomy, The Ohio State
University

1991 October – 2015 June: Professor, Department of Astronomy, The Ohio
State University

2004 October – 2006 October: Vice Chair, Department of Astronomy, The Ohio
State University

1984 October – 1991 September: Associate Professor, Department of Astronomy,
The Ohio State University

1989 June – 1989 August: Visiting Associate Research Astronomer, Lick Ob-
servatory, University of California, Santa Cruz

1980 October – 1984 September: Assistant Professor, Department of Astronomy,
The Ohio State University

1980 July – 1980 September: Instructor, Department of Astronomy, The Ohio State University
1979 October – 1980 June: Postdoctoral Fellow, Department of Astronomy, The Ohio State University
1979 February – 1979 September: Postdoctoral Research Associate, Department of Physics, University of Minnesota
1979 January – 1979 June: Adjunct Postdoctoral Associate, Department of Astronomy, University of Minnesota

Membership in Professional Societies:

American Astronomical Society — 1976 January
International Astronomical Union — 1982 August
American Association for the Advancement of Science — 2010 February

Recent Honors

Niels Bohr Lecture, University of Copenhagen (Denmark), 2015.
Duncan Lecturer, Auburn University, 2014.
Ohio State University Distinguished Scholar Award, 2010.
Bruno Rossi Lecturer, Arcetri Observatory (Italy), 2010.
Fellow, American Association for the Advancement of Science (AAAS), Astronomy Section, 2010.

Service Appointments: Current and Recent

Member, NASA Advisory Council.
Chair, Science Committee.
2015 May – present.
Chair, Cycle 23 *Hubble Space Telescope* Telescope Allocation Committee.
2015 June.
Member, James Webb Space Telescope Advisory Council.
2009 April – present.
Member, NASA Advisory Council Science Committee.
Chair, Astrophysics Subcommittee.
2012 July – 2015 March.
Panel Chair, *XMM-Newton* X-Ray Observatory Time Allocation Committee,
European Space Agency.
2014 November.

Service Appointments: Previous

Astronomical Community:

Board of Directors, Association of Universities for Research in

Astronomy, Inc., 1987 – 1990.
Observatories Advisory Committee, 1988 – 1990.
Personnel Policies Committee, 1989 – 1990.
Member, Scientific Organizing Committee, Georgia State University Conference
on *Variability of Active Galactic Nuclei*, Atlanta, Georgia, 1990 May.
Member, NASA *International Ultraviolet Explorer* Users Committee,
1992 – 1995.
Member, *Hubble Space Telescope* Cycle 3 Proposal Review, “Quasars and
Active Galaxies” Subdiscipline Panel, 1992 November.
Chair, NASA *International Ultraviolet Explorer* Peer Review,
Panel F2 (Extragalactic), 1993 March.
Chair, Panel Discussion on “Coordination of Observations at Many
Wavelengths”, *Frontiers of Space and Ground-Based Astronomy*,
Noordwijk, The Netherlands, 1993 May.
Member, NASA Astrophysics UV/Optical Management Operations Working Group,
(UVMOWG), 1993 – 1995.
Co-chair, Scientific Organizing Committee, Tenth Rutherford Appleton Laboratory
Workshop on Astronomy and Astrophysics, on *Reverberation
Mapping of the Broad-Line Region in Active Galactic Nuclei*,
Abingdon, England, 1994 May.
Member, NASA Long-Term Space Astrophysics (LTSA) Peer Review,
Cosmology and Large-Scale Structure Panel, 1994 December.
Panelist, NASA Astrophysics Advanced Mission Concepts Peer Review,
UV/Optical Panel, 1995 February.
Member, NSF Special Emphasis Panel in Astronomical Sciences
(Active Galaxies proposal evaluation), 1995 December.
Member, AURA Gemini Fellowship Evaluation Committee, 1996 – 1997.
Member, NSF Special Emphasis Panel in Astronomical Sciences
(Academic Research and Infrastructure Program proposal evaluation),
1996 April.
Chair, Scientific Organizing Committee, IAU Colloquium 159,
Emission Lines in Active Galaxies: New Methods and Techniques,
Shanghai, People’s Republic of China, 1996 June.
Chair, *Hubble Space Telescope* Cycle 7 Proposal Review, Subdiscipline Panel AGN1
“Active Galaxies”, and Member, Telescope Allocation Committee,
1996 October – November.
Member, Scientific Organizing Committee, Wise Observatory
25th Anniversary Symposium on *Astronomical Time Series*,
Tel-Aviv, Israel, 1996 December.
Member, Scientific Organizing Committee, *Ultraviolet Astrophysics Beyond
the IUE Final Archive*, Sevilla, Spain, 1997 November.
Member, Science Review Panel, *Far Ultraviolet Spectroscopic Explorer (FUSE)*,

1997 July.

Chair, NASA Astrophysics Working Group (AWG), 1997 – 2000.

Scientific Advisory Committee, Large Binocular Telescope, 1997 – 2001.

Chair, Science Peer Review Panel, SEU-1 (UV/Optical) Panel, University-Class (UNEX) Explorer Competition, 1998 June.

Member, Scientific Organizing Committee, *Ultraviolet–Optical Space Astronomy Beyond HST*, Boulder, Colorado, 1998 August.

Chair, *ASCA* Proposal Review Panel, 1998 November.

Chair, *Chandra* Fellowship Selection Committee, 1999 January.

Member, NASA Structure and Evolution of the Universe Subcommittee (SEUS), 1999 – 2003.

Chair, NASA Suborbital Program Proposal Review Panel, 1999 August.

Chair, Scientific Organizing Committee, Scientific Workshop on *Probing the Physics of Active Galactic Nuclei by Multiwavelength Monitoring*, NASA Goddard Space Flight Center, Greenbelt, MD. 2000 June.

Lecturer, Advanced Lectures on the Starburst–AGN Connection, Programa de Investigacion en Astrofisica Avanzada Guillermo Haro, Instituto Nacional de Astrofisica, Optica, y Electronica, Tonantzintla, Mexico, 2000 June.

Member, *Chandra X-Ray Observatory* Cycle 2 Proposal Review Panel, and Chair, AGN Panel, 2000 August.

Member, NASA Ultraviolet Optical Detectors Working Group, 2000–2002.

Member, Space Telescope Science Institute Financial Review Committee, 2001–2003.

Member, Scientific Organizing Committee, “Future EUV–UV–Visible Space Astrophysics Missions and Instrumentation” at the *Astronomical Telescopes and Instrumentation*, SPIE Conference 4854, Waikoloa, Hawaii, 2002 August.

Member, Astronomy and Astrophysics Advisory Committee (AAAC), 2002 – 2004.

Member, Scientific Organizing Committee, “Astrotomography”, Joint Discussion 09, IAU 25th General Assembly, Sydney, Australia, 2003 July.

Member, Scientific Organizing Committee, “AGN Physics with the Sloan Digital Sky Survey”, Princeton University, Princeton, NJ, 2003 July.

Member, Scientific Organizing Committee, “AGN Variability” Crimean Astrophysical Observatory, Nauchny, Ukraine, 2004 June.

Member, Scientific Organizing Committee, “2004 Ringberg Workshop on AGN Physics”, Schloss Ringberg, Tegernsee, Germany, 2004 November.

Member, Scientific Organizing Committee, 2005 Elba Workshop on “Superunification of Active Galactic Nuclei: Black hole masses, spins and accretion rates”, Elba, Italy, 2005 May.

Chair, *Hubble Space Telescope* Cycle 15 Proposal Review, Extragalactic Panel, and Member, Telescope Allocation Committee, 2006 March.

Member, Scientific Organizing Committee, “The Central Engine of Active Galactic Nuclei”, Xi’an, China, 2006 October.

Lecturer, Marie Curie Summer School, “Active Galactic Nuclei at the Highest Angular Resolution”, Torun, Poland, 2007 August.

Lecturer, XVIII Canary Islands Winter School of Astrophysics, “The Emission Line Universe,” Instituto de Astrofísica de Canarias Tenerife, Canary Islands, Spain, 2006 November.

Member, International and Private Partnership study group, in support of the National Research Council Astro2010 Survey Committee, 2009 April – November.

Space Telescope Institute Council (STIC), 2003 July – 2009 June.
Vice Chair, 2006 July – 2007 June.
Chair, 2007 July – 2009 June.

Board of Directors, Association of Universities for Research in Astronomy, Inc., 2005 – 2009.

Member Representative, Association of Universities for Research in Astronomy, Inc., 2002 – 2008.

Deputy Chair, *Spitzer Space Telescope* Cycle 6 Proposal Review, Extragalactic Panel, and Member, Telescope Allocation Committee, 2009 March – April.

Panelist, NASA Senior Review, 2008 April.

NASA Future Forum, COSI, Columbus, Ohio
Discovery Panelist, 2008 February 21.

Co-Chair, STScI Deputy Director Search Committee, 2009.

Chair, AURA Vice President Search Committee,
2009 August – 2010 December.

Chair, Scientific Organizing Committee, IAU Symposium 267,
Co-Evolution of Central Black Holes and Galaxies,
Rio de Janeiro, Brazil, 2009 August.

Member, 2009 Editorial Board, IAU Symposium Proceedings Series.

Member, European Southern Observatory Visiting Committee, 2010.

AURA Nominating Committee, 2011 – 2013.
Chair, 2013.

Participant, American Astronomical Society “Communicating with Washington” program, 2012.

Member, Scientific Organizing Committee, IAU Symposium 304,
Multiwavelength AGN Surveys and Studies,
Byurakan, Armenia, 2013 October.

Member Representative for Research Corporation for Science Advancement,
Large Binocular Telescope Corporation Board of Directors,
2013 March – 2014 March.

Doctoral Students Supervised:

- D. Michael Crenshaw, “An Analysis of the Broad Emission Line Profiles of Seyfert 1 Galaxies” (1985). Current position: Professor of Astronomy and Chair of Physics and Astronomy, Georgia State University.
- Kirk T. Korista, “The Nature of the Emission-Line Profile Variability and the Structure of the Line-Emitting Regions in Active Galactic Nuclei” (1990). Current position: Professor of Astronomy and Chair of Physics and Astronomy, Western Michigan University.
- William F. Welsh, “An Optical Study of the Flickering, Flaring, and Oscillations in the Unusual Cataclysmic Variable AE Aquarii” (1993), supervised jointly with Dr. Keith Horne, Space Telescope Science Institute. Current position: Professor of Astronomy, San Diego State University.
- Patrizia Romano, “A Multiwavelength Study of Narrow-Line Seyfert 1 Galaxies” (2002). Current position: Staff Researcher, INAF/IASF Palermo, Italy.
- Christopher A. Onken, “Measurement of Black Hole Masses in Active Galactic Nuclei” (2005). Current position: Research Fellow, Research School of Astronomy and Astrophysics, The Australian National University, Australia.
- Misty C. Bentz, “Black Hole Scaling Relationships: New Results from Reverberation Mapping and Hubble Space Telescope Imaging” (2007). Current position: Assistant Professor of Astronomy, Georgia State University.
- Kelly D. Denney, “Black Hole Masses in Active Galactic Nuclei” (2010). Current position: NSF Postdoctoral Research Fellow, Department of Astronomy, The Ohio State University.
- Catherine J. Grier, “Active Galactic Nuclei: Masses and Dynamics” (2013). Current position: Postdoctoral Researcher, Department of Astronomy and Astrophysics, Penn State University.
- Michael M. Fausnaugh, in progress (expected 2017).

Postdoctoral Researchers Supervised:

- Karie A. Meyers, 1983 – 1985. Current position: Instructional staff, Pima College, Tucson, AZ.
- Richard W. Pogge, 1989 – 1991. Current position: Professor and Vice Chair for Instrumentation, Department of Astronomy, The Ohio State University.
- Joseph C. Shields, 1991 – 1993. Current position: Professor of Physics and Astronomy, Vice President for Research and Creative Activity, and Dean of the Graduate School, Ohio University, Athens, OH.
- Ignaz Wanders, 1994 – 1997. Current position: Private sector, Belgium.
- Stefan J. Collier, 1999 – 2001. Current position: Private sector, United Kingdom.
- Marianne Vestergaard, 2002 – 2003. Current position: Associate Professor, Dark Cosmology Centre, Niels Bohr Institute, University of Copenhagen, Denmark.

Matthias Dietrich, 2004 – 2008. Current position: Assistant Professor, Department of Earth, Environment, and Science, Worcester State University, Worcester, MA.

Gisella De Rosa, 2012 – present

Catherine J. Grier, 2013 – 2014. Current position: Postdoctoral Research Associate, Department of Astronomy and Astrophysics, Pennsylvania State University, University Park, PA.

Undergraduate Honors Theses Supervised:

Elizabeth A. Park, “Seyfert Galaxy Catalog” (1984).

Russel J. White, “Improving Cross-Correlation Estimates of Emission-Line Region Sizes in Active Galactic Nuclei” (1993).

Sean M. Smith, “A Critical Test of Thin Accretion-Disk Models of Active Galactic Nuclei” (1995).

Karoline M. Gilbert, “Probing AGN Emission-Line Regions through Time-Series Analysis” (2002).

Charles Kuehn, “An Exploration of Systematic Effects in Measurement of Black Hole Masses by Emission-Line Reverberation” (2005).

Kyle G. Metzroth, “The Mass of the Central Black Hole in the Seyfert Galaxy NGC 4151” (2005).

Megan L. Comins, “Systematic Errors in Black Hole Mass Measurement Using Reverberation Mapping” (2008).

Mallory E. Molina, “Characterizing Emission-Line Widths Used to Estimate Black Hole Masses from the Spectra of Active Galactic Nuclei” (2012).

Currently Active Grants

Principal Investigator, National Science Foundation Grant AST-1008882. “Probing the Central Engine in Active Galactic Nuclei”, 2010 September 15 – 2016 August 31 (\$466,922).

Principal Investigator, Space Telescope Science Institute Grant HST-GO-13185, “Mrk 590: A Disappearing AGN?”, 2013 November 1 – 2016 September 30 (\$8,973).

Principal Investigator, Space Telescope Science Institute Grant HST-GO-13330, “Mapping the AGN Broad-Line Region by Reverberation”, 2014 February 1 – 2017 January 31 (\$335,846).

Co-Investigator, Smithsonian Astrophysical Observatory, S. Mathur PI, Grant GO4-15114X, “Mapping the AGN Broad-Line Region by Reverberation”, 2014 February 4 – 2016 February 3 (\$18,000).