FULL CURRICULUM VITAE—JEROME A. OROSZ

I. NAME

Jerome Arthur Orosz

II. EDUCATION

A. Institution

Institution	Years Attended	Degree	Major Field
University of Northern Colorado	1985-1989	B.A. (*magna cum laude*)	Physics
University of Northern Colorado	1985-1989	B.A. (*magna cum laude*)	Mathematics
Ohio University	1989-1991	M.S.	Physics
Yale University	1991-1996	Ph.D.	Astronomy

B. Title of Dissertation
Optical Observations of Black Hole X-ray Novae

III. RESEARCH AND TEACHING POSITIONS AND RANKS HELD

Institution	Rank	Date	Major Subject
Ohio University	Teaching Fellow	09/1989–05/1991	Physics
Yale University	Teaching/Research Assistant	01/1992–05/1996	Astronomy
Penn State University	Postdoctoral Researcher	09/1996–08/1999	Astronomy
Utrecht University	Postdoctoral Researcher	09/1999–08/2002	Astronomy
San Diego State University	Assistant Professor	08/2002–07/2007	Astronomy
San Diego State University	Associate Professor	08/2007–	Astronomy

IV. PROFESSIONAL GROWTH

A. Grants.

1. $24,685, NASA/Spitzer Science Center, Measuring the Mass and Spin of a Stellar Black Hole, 2006, PI with Jeffrey McClintock.
2. $379,640, NSF (Program for Research and Education with Small Telescopes [PREST]), Transforming Mount Laguna Observatory into a Regional Astronomical Research Facility 2005-2009, coI.
3. $278,176, NSF (Stellar Astronomy and Astrophysics), Fundamental Properties of Low Mass Stars in Eclipsing Binaries, 2008-2010, PI.
4. $271,694, NASA, Detailed Modeling of Extrasolar Planet Transit Observations as a kepler Participating Scientist, 2007-2010, Senior Technical Consultant.

B. Invited Talks and Colloquia.

10. "An Improved Dynamical Model of the Microquasar XTE J1550-564", 9 November, 2009, Massachusetts Institute of Technology (New England Regional Accreting Binaries Annual Meeting).

9. “Measuring the Mass and Spin of Stellar Mass Black Holes”, 26 October, 2006, Yale University (colloquium with Jeffrey McClintock).
8. “Black Holes in the Milky Way”, 6 May, 2004, Kavli Institute for Theoretical Physics, University of California, Santa Barbara (part of the Astrophysics Seminars).
7. “Recent Results on the Black Hole X-ray Transient XTE J1118+480”, 2003 June 4, Center for Astrophysics and Space Sciences, University of California, San Diego (colliquium).
6. “Inventory of Black Hole Binaries”, 26 June 2002, IAU Symp. 212, A Massive Star Odyssey, from Main Sequence to Supernova, Costa Teguise, Lanzarote, Canary Islands, Spain (invited review).
5. “Optical Observations of Black Hole X-ray Transients”, 10 January 2002, Max-Planck Institut für Astrophysik, Garching German (colloquium).
4. “Mass Determinations of Stellar Black Holes”, 6 July 2000, Marcel Grossmann meeting, Rome.
3. “The Use of Model Atmospheres for Cool Giants in a Light Curve Synthesis Code”, 4 May 2000, Institute of Astronomy, Cambridge (UK) (colloquium).
2. “Optical Observations of Stellar Black Holes”, 13 April 2000, Astronomical Institute, University of Amsterdam (colloquium).
1. “The doubly-evolved binary KPD 0422+5421”, 15 September 1999, Astronomical Institute, Utrecht University (colloquium).

C. Publication list, see attached document. From NASA/ADS: 3257 citations and a current h-index of 36 as of December 11, 2009.

D. Participation in Professional Associations

1. Member, American Astronomical Society.

V. TEACHING EFFECTIVENESS

A. Classes Taught:

1. ASTR 101 Principles of Astronomy: Fall 2003, Spring 2004, Summer 2004, Fall 2004, Spring 2005, Summer 2005, Fall 2005 (2 sections), Spring 2006, Summer 2006, Fall 2006, Spring 2007 (2 sections), Fall 2007 (2 sections), Spring 2008, Spring 2009 (2 sections), Fall 2009 (2 sections)
2. Astro 450, Astrophysics of Star Systems: Spring 2003, Spring 2005.
3. Astro 610, Binary Stars: Fall 2002, Fall 2004, Fall 2006.
4. Astro 620, Galactic Structure: Spring 2004, Spring 2006, Spring 2008.

B. Curriculum Development and Teaching Innovations:

1. 2005: Faculty coordinator for ASTRO 109 (Astronomy Laboratory)
2. 2004: Developed course material for ASTRO 620 (Galactic Structure)
3. 2003: Developed course material for ASTRO 101 (Principles of Astronomy)

4. 2003: Developed course material for ASTRO 450 (Astrophysics of Star Systems)
5. 2002: Developed course material for ASTRO 610 (Binary Stars)

C. Student Projects Supervised:

1. SDSU, 2008-, Meredith Rawls, Master's Thesis.
2. SDSU, 2006-2009, Kazuma Hashimoto, Master's Thesis.
3. SDSU, 2006-2008, Lauren Havelka, Senior Thesis.
4. SDSU, 2005-2006, Jane Bonifacio, Senior Thesis.
5. SDSU, 2005-2006, Leah Jerdon, Senior Thesis.
6. SDSU, 2005-2006, David Garcia, Senior Thesis.
7. SDSU, 2004-2006, Paul Brogna, Master's Thesis.
8. SDSU, 2004-2006, Gur Windmiller, Master's Thesis.
9. SDSU, 2004-2006, Amanda J. Bayless, Master's Thesis.
10. SDSU, 2003-2004, J. Brodney Fitzgerald, Master's Thesis.
11. SDSU, 2003-2004, Delwin Johnson, Master's Thesis.
12. SDSU, 2002-2004, Emil J. Polisensky, Master's Thesis.
13. SDSU, 2002-2003, Chadwick Cummings, Senior Thesis.
14. SDSU, 2002-, Served on 6 Master's Thesis committees.
15. Utrecht, 2000-2001, Maureen van den Berg (with F. Verbunt), collaboration on PhD thesis chapter.
16. Utrecht, 2000-2001, Folkert Koetsveld (with F. Verbunt), "afstudeerproject" (undergraduate project).
17. Utrecht, 2001-2002, Mark Gieles, "afstudeerproject" (undergraduate project).

VI. SERVICE FOR THE UNIVERSITY AND THE COMMUNITY

A. Service for San Diego State University

1. Undergraduate Advisor, Department of Astronomy, 2007-present.
2. Graduate Advisor, Department of Astronomy, 2009-present.
3. Member, Astronomy Library Committee, 2002-present.
4. Faculty Advisor, Schwartz Astronomical Society ("a group of graduate and undergraduate Astronomy students who have a genuine fascination with Astronomy and the interest of passing that fascination onto the general public"), 2002-present.
5. Chair, Department of Astronomy Reappointment, Tenure, and Promotion Committee, 2009.
6. Department of Astronomy New Faculty Selection Committee, 2003, 2004-2005.
7. Faculty Supervisor for ASTRO 109 (Astronomy Laboratory) course, 2005-2008.

B. Service for the Community

1. Reviewer for South Africa's National Research Foundation, 2002.
2. Referee for professional journals, including *Nature*, *Astrophysical Journal*, *Monthly Notices of the Royal Astronomical Society*, *Astronomy & Astrophysics*, and *Astronomical Journal*, 2002-present.

3. Member, Proposal Peer Review Panel for NASA's Chandra X-ray Observatory, Cycle 5 (evaluated and ranked some 70 proposals for observing time on Chandra, wrote panel feedback reports that were returned to the proposers), 2002.
4. Reviewer for draft astronomy textbooks, 2003-2004, 2007.
5. Presenter for 2006 SDSU Science Sampler, October 7, 2006.
6. Presenter for 2007 SDSU Science Sampler, November 18, 2007.
7. Member, Proposal Peer Review Panel for NASA's Chandra X-ray Observatory, Cycle 11 (evaluated and ranked some 60 proposals for observing time on Chandra, wrote panel feedback reports that were returned to the proposers), 2009.