

Gregory R. Sivakoff

Curriculum Vitae 1 of 15

Assistant Professor, University of Alberta Department of Physics

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EDUCATION:

UNIVERSITY OF VIRGINIA, Charlottesville, VA

Astronomy M.Sc. (2003), Ph.D. (2006)

Aug. 2001 – Aug. 2006

UNIVERSITY OF MANCHESTER, Manchester, UK

Radio Astronomy M.Sc.

Sep. 2000 – Nov. 2001

BRANDEIS UNIVERSITY, Waltham, MA

Physics B.Sc., Mathematics B.A.

Sep. 1996 – May 2000

SELECTED FELLOWSHIPS AND AWARDS:

Top 40 Under 40 (Avenue Magazine Edmonton) 2014

Outstanding Postdoc (UVa) 2009

DuPont Fellow (UVa) Aug. 2005 – Aug. 2006

Virginia Space Grant Consortium Aerospace Graduate Fellow Aug. 2004 – Aug. 2006

Achievement Rewards for College Scientists Fellow Aug. 2003 – Aug. 2005

Presidents Fellow (UVa) Aug. 2001 – Aug. 2004

Fulbright Scholar (US/UK) Sep. 2000 – Aug. 2001

Physics Faculty Prize (Brandeis) 2000

Stephen Berko Memorial Prize in Physics (Brandeis) 2000

Barry M. Goldwater Scholar Sep. 1999 – May 2000

Schiff Fellow (Brandeis) Sep. 1999 – May 2000

Phi Beta Kappa (Junior) 1999

J. V. Cunningham Writing Award in Science (Brandeis) 1999

University Scholar (Brandeis) 1998

Justice Brandeis Scholar Sep. 1996 – May 2000

Robert C. Byrd Scholar 1996

National Merit Scholar 1996

PUBLICATION SUMMARY:

Have 62 papers in refereed journals (7 as the first author, 23 as the second/third author).

Publications cited about 1514 times through 11/15/14 (about 317 times in 2014).

H-indices: 21/17/7 (Any author/First–Third author/First author)

ASTRONOMICAL RESEARCH:

UNIVERSITY OF ALBERTA DEPARTMENT OF PHYSICS, Edmonton, AB

Assistant Professor

Apr. 2011 – Present

- Graduated 3 Masters students; Supervised 3 graduate, 8 undergraduate & 1 high school student; Co-supervised 2 graduate, 3 undergraduate & 1 high school student.
- The Accretion Disk – Relativistic Jet Connection: Probing accretion disc physics, jet launching, and their potential role in galaxy feedback and evolution through coordinated multi-wavelength studies of transient Galactic X-ray binaries.
- Finding Black Holes: Applying the fundamental plane of black hole activity to search for stellar-mass, intermediate-mass, and supermassive black holes.
- Galactic Compact Objects: Multi-wavelength studies of X-ray sources in Galactic globular clusters and Gamma-ray detected pulsars.
- X-ray Content of Galaxies: Concentrating on the origin of low-mass X-ray binaries, their variability, and connection to globular clusters.

UNIVERSITY OF VIRGINIA DEPARTMENT OF ASTRONOMY, Charlottesville, VA

Research Associate (Postdoc)

Sep. 2008 – Mar. 2011

- X-ray Content of Early-Type Galaxies: Concentrating on the origin of low-mass X-ray binaries, their variability, and connection to globular clusters.
- Galactic Compact Objects: Multi-wavelength studies of transient X-ray binaries, X-ray sources in Galactic globular clusters, and Gamma-ray detected pulsars.
- AGN in Galaxy Clusters: Characterizing AGN content with Chandra X-ray and MDM optical observations.
- Quasar Properties: Comparing properties (e.g., masses, Eddington ratios) for various subsamples in the SDSS quasar catalogs.

THE OHIO STATE UNIVERSITY DEPARTMENT OF ASTRONOMY, Columbus, OH

Postdoctoral Researcher

Sep. 2006 – Sep. 2008

- AGN in Galaxy Clusters: Characterizing AGN content with Chandra observations.
- X-ray Content of Early-Type Galaxies: Concentrating on the origin of low-mass X-ray binaries, their variability, and connection to globular clusters.
- Broad Absorption Line Quasars: Multiple wavelength comparison of broad absorption line detection using SDSS/2MASS/FIRST.

UNIVERSITY OF VIRGINIA DEPARTMENT OF ASTRONOMY, Charlottesville, VA

Fellowship Supported Graduate Student

Aug. 2001 – Aug. 2006

- Chandra Observations of Early-Type Galaxies: Examined the point source population, predominantly low mass X-ray binaries, and diffuse gas, concentrating on luminosity functions, spectral properties, variability, and spatial profiles. Compared low mass X-ray binary and globular cluster populations.
- Galaxy Distribution in 2MASS: Examined gravitational quasi-equilibrium distribution and distribution near X-ray selected clusters.

ASTRONOMICAL RESEARCH: (continued)

UNIVERSITY OF MANCHESTER, Manchester, UK

Fulbright Scholar

Sep. 2000 – Aug. 2001

- VLA & MERLIN Observations of the Quasar 0800+608: Examined unpolarized morphology, spectral behavior, fractional polarization, Faraday rotation, and 3-D hydrodynamic simulations to study atypical morphology.

MIT HAYSTACK OBSERVATORY, Westford, MA

NSF Research Experience for Undergraduates Intern

Jun. 1999 – Aug. 1999

- Very Long Baseline Array Observation of R Cassiopeia: Calibrated, imaged, and analyzed first 3mm observation of this star.

BRANDEIS UNIVERSITY PHYSICS DEPARTMENT, Waltham, MA

Research Assistant

Jan. 1998 – May 2000

- Relativistic AGN Jets: Analysis of dual frequency polarization VLBA observations of 12 AGN. Developed C++ computer simulation of Blandford-Königl model for inhomogeneous relativistic jets.

GRANTS – PI:

PI

CAD\$135,000

“Constraining Accretion and Relativistic Jet Physics With Multi-Wavelength Observations of Accreting Compact Objects”
NSERC Discovery Grant 2011:

Apr. 2011 – Mar. 2016

SCIENCE PI

USD\$34,700

“Addressing the Science Education of Elementary School Students in Rural Albemarle County”
NASA, Chandra E/PO Cycle 11: E/PO

Apr. 2010 – Apr. 2012

SCIENCE PI

USD\$13,775

“Addressing the Nature of Science Through a Telescope Loaner Program for Teachers”
NASA, Chandra E/PO Cycle 11: E/PO

Apr. 2010 – Apr. 2012

SCIENCE PI

USD\$25,896

“Stellar Evolution Planetarium Show at the Science Museum of Virginia”
NASA, Chandra E/PO Cycle 6: E/PO GO5-6086X

Jan. 2005 – Aug. 2006

SCIENCE PI

USD\$30,520

“Using the Chandra Archive To Study Low Mass X-ray Binaries and Globular Clusters in Virgo and Non-Virgo Early-Type Galaxies”
NASA, Chandra Cycle 5: AR4-5008X

Jan. 2004 – Jan. 2005

GRANTS – CO-I (2011 – 2014):

Co-I “The Next Generation ALMA Viewer” ALMA Development Program:	CAD\$887,665.58 Jun. 2014 – Sep. 2015
Co-I “The SKA Global Science Data Delivery Platform” CANARIE Network-Enabled Platform:	CAD\$435,579.48 Oct. 2013 – Dec. 2014
Co-I “SKA Pre-construction Networking Workshop” NSERC Partnership Workshops Program:	CAD\$16,950 Apr. 2012
Co-I “The origin and nature of relativistic jets in X-ray binaries” Australia Research Council Discovery Project 2012:	AUD\$309,000 Jan. 2012 – Dec. 2014
Co-I “Telescopes and Astronomy Education” University of Alberta Teaching & Learning Enhancement Fund:	CAD\$54,218 Apr. 2011 – Mar. 2013

ALLOCATED OBSERVING TIME – PI OR ADVISEE STUDENT PI:

CoI (PI: A. TETARANKO) “Constraining the Jet Properties of Transient X-ray Binaries” Plateau de Bure Interferometer 2015A: 1 A-priority track	Dec. 2014 – May. 2015
CoI (PI: A. TETARANKO) “Constraining the Jet Properties of Transient X-ray Binaries” Sub-millimeter Array 2014B: 1 B-priority tracks	Nov. 2014 – May. 2015
PI “Searching for the 1st Transient Black Hole X-ray Binary in a MW Globular Cluster” NRAO, 2014B: 3.5 hours on VLA	Aug. 2014 – Jan. 2015
CoI (PI: A. TETARANKO) “Constraining the Jet Properties of Transient X-ray Binaries” Sub-millimeter Array 2014A: 1 B-priority tracks	Jun. 2014 – Oct. 2015
CoI (PI: A. TETARANKO) “Constraining the Jet Properties of Transient X-ray Binaries” James Clark Maxwell Telescope 2014A: 40 hours on SCUBA-2	Feb. 2014 – Jul. 2014
PI “Rapid Classification and Monitoring of Transient X-ray Bina- ries in Galactic Globular Clusters” ATNF, 2013OCTS: 24 hours on ATCA	Oct. 2013 – Mar. 2014

ALLOCATED OBSERVING TIME – PI OR ADVISEE STUDENT PI: (continued)

PI “Constraining the Jet Properties of Transient X-ray Binaries” Sub-millimeter Array 2013B: 4 B-priority tracks	Nov. 2013 – May. 2014
PI “Constraining the Jet Properties of Transient X-ray Binaries” Sub-millimeter Array 2013A: 2 B-priority tracks	May. 2013 – Nov. 2013
PI “Constraining the Jet Properties of Transient X-ray Binaries” James Clark Maxwell Telescope 2013A: 24 hours on SCUBA-2	Feb. 2013 – Jan. 2014
PI “Resolving the controversial distance to SS Cyg” NRAO, 2012B: 14 hours on VLBA	Aug. 2012 – Jan. 2013
PI “Constraining the Jet Properties of Transient X-ray Binaries” James Clark Maxwell Telescope 2012B: 34 hours on SCUBA-2	Jul. 2012 – Feb. 2013
PI “Constraining the Jet Properties of Transient X-ray Binaries” Sub-millimeter Array 2012A: 2 B-priority tracks	May. 2012 – Nov. 2012
PI “Constraining the Jet Properties of Transient X-ray Binaries” James Clark Maxwell Telescope 2012A: 20 hours on SCUBA-2	Feb. 2012 – Jul. 2012
PI “Revealing the Black Hole in a Globular Cluster of the Elliptical Galaxy NGC 1380” Gemini, 2011B: 4 hours on GMOS-South	Dec. 2011 – Jan. 2012
PI “Which M15 Source Is Now in Outburst?” NASA, Chandra DDT: 1,000 seconds on Chandra	Jun. 2011
PI “Constraining the Jet Properties of Transient X-ray Binaries” Sub-millimeter Array 2011B: 2 B-priority tracks	May. 2011 – Nov. 2012
SCIENCE PI “The Ultimate VLBA Calibrator Search for Galactic Black Hole X-ray Binaries” NRAO, 2010C: 24 hours on VLBA	Sep. 2010 – Sep. 2011
SCIENCE PI “Constraining the Distance & Temperature of LAT PSR J1742- 20, The Newly Discovered Nearby Middle-Aged Neutron Star” NASA, Chandra Cycle 11: 50,000 seconds on Chandra	USD\$34,610 May 2010 – May 2012

ALLOCATED OBSERVING TIME – PI OR ADVISEE STUDENT PI: (continued)

PI

“Near-Infrared Monitoring of the November 2009 Outburst of SS Cygni” Apr. 2010
 PAIRITEL: 30 daily epochs, each 5 minutes

SCIENCE PI

“Binary Formation in the Sparse Galactic Globular Cluster NGC 3201” USD\$55,428
 Mar. 2010 – Mar. 2012
 NASA, Chandra Cycle 11: 85,000 seconds on Chandra

SCIENCE PI

“Binary Formation in the Sparse Galactic Globular Cluster NGC 3201” USD\$8,972
 Mar. 2010 – May 2012
 NASA, Hubble Cycle 17: HST-GO-12012: 1 orbit on Hubble

PI

“Near-Infrared Monitoring of the November 2009 Outburst of Aquila X-1” Nov. 2009
 PAIRITEL: 20 daily epochs, each 15 minutes

PI

“Spectroscopic Confirmation of Galaxy Cluster Candidate Behind Virgo” Apr. 2009 – Jun. 2009
 APO, 2009-Q2: Two half-nights on Apache Point Observatory 3.5m

SCIENCE PI

“Binary Formation in the Sparse Galactic Globular Cluster NGC 3201” Jan. 2009 – Dec. 2009
 NRAO, 2009C: 1 hour on Green Bank Telescope

SCIENCE PI

“Deep Chandra and Hubble Observations of NGC 1023: Testing the Origin of Low-Mass X-Ray Binaries in a Lenticular Galaxy” USD\$73,444
 Apr. 2007 – Apr. 2009
 NASA, Chandra Cycle 8: 192,000 seconds on Chandra; 8 orbits on Hubble (8 lost due to ACS failure)

SCIENCE PI

“Probing The Globular Cluster / Low Mass X-ray Binary Connection in Early-type Galaxies At Low X-ray Luminosities” USD\$39,957
 Jan. 2007 – Jan. 2009
 NASA, Hubble Cycle 15: HST-GO-10835: 10 orbits on Hubble (6 lost due to ACS failure)

SCIENCE PI

“Probing the Galaxy-wide Globular Cluster - Low Mass X-ray Binary Connection in Early-type Galaxies” USD\$47,946
 Dec. 2005 – Dec. 2007
 NASA, Hubble Cycle 14: HST-GO-10582: 12 orbits on Hubble

ALLOCATED OBSERVING TIME – PI OR ADVISEE STUDENT PI: (continued)**SCIENCE PI****USD\$71,179**

“Low Mass X-ray Binaries and Globular Clusters in the Early-Type Galaxy NGC 4365”

Jan. 2005 – Aug. 2006

NASA, Chandra Cycle 6: GO5-6086X: 160,000 seconds on Chandra

ALLOCATED OBSERVING TIME – CO-I (2011 – 2014):**Co-I**

“Probing jet acceleration and collimation in stellar-mass black holes”

Feb. 2014 – Jan. 2014

NRAO 2013B: 48 hours on VLBA & 18 hours on VLA

Co-I

“AGN-Triggered Star Formation in the Dwarf Galaxy Henize 2-10?”

Dec. 2013 – Dec. 2014

NASA, Chandra Cycle 15: 200,000 seconds on Chandra

Co-I

“A Black Hole in the Galactic Globular Cluster M62”

Dec. 2013 – Dec. 2014

NASA, Chandra Cycle 15: 87,000 seconds on Chandra & 4.5 hours on VLA

Co-I

“Jet-disc coupling in black hole X-ray binary outbursts”

Oct. 2013 – Mar. 2014

ATNF, 2013OCTS: 24 hours on LBA & 2.5 hours on ATCA

Co-I

“Constraining black hole formation with triggered LBA astrometry”

Oct. 2013 – Mar. 2014

ATNF, 2013OCTS: 3 hours on ATCA

Co-I

“The Comprehensive VLA Survey for Black Holes in Globular Clusters”

Aug. 2013 – May. 2014

NRAO 2013B: 140 hours on VLA

Co-I

“M15”

Aug. 2013

NASA, Swift DDT: 1,000 seconds on Swift

Co-I

“MAXI J1749–36.0”

Aug. 2013

NASA, Swift DDT: 500 seconds on Swift

Co-I

“Terzan 1”

Jun. 2013

NASA, Swift DDT: 1,000 seconds on Swift

ALLOCATED OBSERVING TIME – CO-I (2011 – 2014): (continued)**Co-I**

“Constraining black hole formation with triggered LBA astrometry” Apr. 2013 – Sep. 2013
ATNF, 2013APRS: 24 hours on LBA & 3 hours on ATCA

Co-I

“Jet-disc coupling in black hole X-ray binary outbursts” Apr. 2013 – Sep. 2013
ATNF, 2013APRS: 1.5 hours on ATCA

Co-I

“BAT Triggered Target of Opportunity Observations with Swift” Apr. 2013 – Mar. 2013
NASA, Swift Cycle 9: 150,000 seconds on Swift

Co-I

“Terzan 6” Mar. 2013
NASA, Swift DDT: 2,000 seconds on Swift

Co-I

“Probing jet acceleration and collimation in stellar-mass black holes” Feb. 2013 – Aug. 2013
NRAO 2013A: 56 hours on VLBA & 20 hours on VLA

Co-I

“SSS130101:122222-311525” Jan. 2013 – Jul. 2013
NASA, Swift DDT: 77,000 seconds on Swift

Co-I

“Monitoring a Possible Post-Tidal Disruption Event (and Black Hole X-ray Binaries) in NGC1399” Dec. 2012 – Dec. 2013
NASA, Chandra Cycle 14: 30,000 seconds on Chandra

Co-I

“Monitoring a Possible Post-Tidal Disruption Event (and Black Hole X-ray Binaries) in NGC1399” Dec. 2012 – Dec. 2013
NASA, Chandra Cycle 14: 30,000 seconds on Chandra

Co-I

“Disc-jet coupling in the black hole X-ray binary Swift J1745” Sep. 2012 – Jan. 2013
NRAO DDT: 18 hours on VLA

Co-I

“Astrometric measurements of the black hole X-ray binary Swift J1753.5-0127” Aug. 2012 – Jul. 2013
European VLBI Network 2012B: 40 hours on EVN

Co-I

“Verifying the ubiquity of the disc-jet connection - VLBI imaging of SS Cygni” Aug. 2012 – Jul. 2013
European VLBI Network 2012B: 6 hours on EVN

ALLOCATED OBSERVING TIME – CO-I (2011 – 2014): (continued)**Co-I**

“Constraining the X-ray Spectral and Timing Characteristics of PSR J1741-2054”

May. 2012 – Apr. 2013

XMM-Newton Cycle 11: 72,000 seconds on XMM

Co-I

“A Study of Weak Globular Cluster X-Ray Transients”

Apr. 2012 – Mar. 2013

NASA, Swift Cycle 8: 150,000 seconds on Swift

USD\$27,954**Co-I**

“BAT Triggered Target of Opportunity Observations with Swift”

Apr. 2012 – Mar. 2013

NASA, Swift Cycle 8: 60,000 seconds on Swift

Co-I

“Constraining black hole formation with triggered LBA astrometry”

Apr. 2012 – Sep. 2012

ATNF, 2012APRS: 24 hours on LBA & 6 hours on ATCA

Co-I

“Probing jet acceleration and collimation in stellar-mass black holes”

Feb. 2012 – Aug. 2012

NRAO 2012A: 84 hours on VLBA & 20 hours on VLA

Co-I

“Verifying the ubiquity of the disc-jet connection”

Feb. 2012 – Jul. 2012

e-MERLIN 2012A: 3 tracks (A-grade) on e-MERLIN

Co-I

“0800+608: a laboratory for jet physics”

Feb. 2012 – Jul. 2012

e-MERLIN 2012A: 3 tracks (B-grade) on e-MERLIN

Co-I

“BAT Triggered Target of Opportunity Observations with Swift”

Dec. 2011 – Nov. 2012

NASA, Swift Cycle 7: 150,000 seconds on Swift

USD\$34,857**Co-I**

“Following a black hole candidate X-ray transient to quiescence”

Dec. 2011 – Dec. 2012

NASA, Chandra Cycle 13: 187,000 seconds on Chandra

Co-I

“Jet-disc coupling in black hole X-ray binary outbursts”

Oct. 2011 – Mar. 2012

ATNF, 2012OCTS: 24 hours on LBA & 3 hours on ATCA

Co-I

“SMA Observations of the current outburst of the transient X-ray binary MAXI J1836-194”

Sep. 2011

Sub-millimeter Array 2011B, DDT: 4 hours on SMA

ALLOCATED OBSERVING TIME – CO-I (2011 – 2014): (continued)**Co-I**

“Which X-ray Binary is Outbursting in the globular NGC 6388?” Aug. 2011
NASA, Chandra Cycle 12 DDT: 2,500 seconds on Chandra

Co-I

“Confronting accretion disc and jet theory with astrometry and imaging of SS Cyg” Aug. 2011 – Jul. 2013
European VLBI Network 2011B: 12 hours on EVN

Co-I

“An X-ray/Radio Test for an Intermediate-Mass Black Hole in M31’s G1 Cluster” **USD\$14,466**
Jul. 2011 – Jun. 2012
NASA, Chandra Cycle 12: 35,000 seconds on Chandra; 9.75 hours on VLA

Co-I

“EVLA observations of the flaring X-ray binary in the globular cluster M15” Jun. 2011 – Aug. 2011
NRAO, 2011A DDT: 10 hours on VLA

Co-I

“A candidate ”intermediate-mass” black hole in the dwarf starburst galaxy He 2-10” May 2011
NASA-GSFC, XMM-Newton Cycle 5: 28,000 seconds (A) on XMM

Co-I

“Following a black hole candidate X-ray transient to quiescence” Apr. 2011 – Oct. 2011
NASA, Chandra Cycle 12: 187,000 seconds on Chandra

Co-I

“A Deep Chandra Study of NGC 4472 – Gas Dynamics in the Nearest Group-Cluster Merger” **USD\$129,295**
Mar. 2011 – Feb. 2013
NASA, Chandra Cycle 12: 300,000 seconds on Chandra

Co-I

“Insights into Jet Emission Mechanism from Multi-Wavelength Observations of LMXBs” Jan. 2011 – Sep. 2011
NASA, RXTE Cycle 15: 600,000 seconds on RXTE

Co-I

“RXTE Observations of Globular Cluster X-ray Transients” Jan. 2011 – Sep. 2011
NASA, RXTE Cycle 15: 240,000 seconds on RXTE

ALLOCATED OBSERVING TIME – CO-I (2011 – 2014): (continued)**Co-I**

“Constraining black hole formation with triggered LBA astrometry” Apr. 2011 – Sep. 2011
ATNF, 2011APRS: 24 hours on LBA & 12 hours on ATCA

Co-I

“Catching Aql X-1 Spectral Transitions with RXTE observations” Jan. 2011 – Sep. 2011
NASA, RXTE Cycle 15: 150,000 seconds on RXTE

Co-I

“Constraining black hole formation with triggered VLBA astrometry” Sep. 2010 – Sep. 2011
NRAO, 2010B: 48 hours on VLBA

Co-I

“Astrometry of Aql X-1 and the luminosity of Type I X-ray bursts” Jun. 2010 – May 2015
NRAO, 2010B: 112 hours on VLBA

Co-I

“Probing Jet Acceleration and Collimation in Stellar-Mass Compact Objects” Jun. 2010 – Dec. 2011
NRAO, 2010B: 168 hours on VLBA; 55 hours on VLA

Co-I

“Probing The Globular Cluster / Low Mass X-ray Binary Connection in Early-type Galaxies At Low X-ray Luminosities” **USD\$39,936**
Feb. 2010 – Feb. 2012
NASA, Hubble Cycle 17: HST-GO-11679: 6 orbits on Hubble

TEACHING (2011 – 2014):

UNIVERSITY OF ALBERTA DEPARTMENT OF PHYSICS, Edmonton, AB

Assistant Professor

Jan. 2012 – Dec. 2014

- Fall 2014: Developed and taught PHYS 495/595 (Special Topics: Observational Techniques in Astronomy) with an enrolment of 7 students.
- Winter 2014: Taught ASTRO 322 (Galactic & Extra-galactic Astrophysics) with an enrolment of 19 students.
- Fall 2013: Taught ASTRO 120 (Astronomy of the Solar System) with an enrolment of 190 students.
- Winter 2013: Taught ASTRO 322 (Galactic & Extra-galactic Astrophysics) with an enrolment of 34 students.
- Fall 2012: Taught ASTRO 120 (Astronomy of the Solar System) with an enrolment of 201 students. Integrated new book and “Think, Pair, Share” questions into course.

TEACHING (2011 – 2014): (continued)

- Winter 2012: Taught ASTRO 322 (Galactic & Extra-galactic Astrophysics) with an enrolment of 20 students. Developed Astronomy & the Media course module. Integrated “Think, Pair, Share” questions into course.

OUTREACH ACTIVITIES (2011 – 2014):

University of Alberta Observatory Deputy Director	2014 – present
University Alberta Public Outreach Committee Member	2014 – present
Acting University of Alberta Observatory Director	2013 – 2014
Albertan STEM Graft Director	2012 – present
Skyscan Board Member	2011 – present
Primary investigator of a NASA Chandra X-ray Observatory Education/Public Outreach grant with the Chandra: Loaning UVa’s Telescopes to Educators Program	2010 – 2011
Primary investigator of a NASA Chandra X-ray Observatory Education/Public Outreach grant with Dark Skies, Bright Kids	2010 – 2011
Invited Speaker for University of Alberta Department of Physics Open House, University of Alberta Postdoctoral Fellows Association	2014 – present
Invited Speaker for University of Alberta Department of Physics Open House	2013 – 2014
Invited Speaker for Edmonton Royal Astronomical Society, University of Alberta Department of Physics Open House, University of Alberta Department of Physics Alumni Weekend	2012 – 2013
Invited Speaker for Logicon 2012 (Edmonton, AB), University of Alberta Department of Physics Alumni Weekend, & Northern Prairie Star Party (Alberta)	2011 – 2012
Support for UAlberta Observatory Outreach Events: Regular Solar Observing, Open Houses, & Transit of Venus	2011 – present
Development and/or Installation of UAlberta Observatory Outreach Exhibits: Solar System Model, Observatory Exhibits, Observatory Images, & Observatory Logo	2011 – present
Faculty Presenter for UVa McCormick Observatory Public Nights	2008 – 2011
Volunteer for Dark Skies, Bright Kids, an after-school astronomy club for 8-10 year olds in rural Albemarle County, VA	2009 – 2011
Support for UVa Public Outreach Special Events: Osher Lifetime Learning Institute, & Aliens Film Festival	2008 – 2011

OUTREACH ACTIVITIES (2011 – 2014): (continued)

Support for UVa Public Outreach Special Events: Transit of Venus, Mars Mania, Leonid Meteor Showers, Osher Lifetime Learning Institute, & Aliens Film Festival	2001 – 2011
Online Participant in UVa Astronomy Question & Answers Outreach Program	2001 – 2011

COMMITTEES (2011 – 2014):

VERY LARGE ARRAY ALL SKY SURVEY PLANNING COMMITTEE Member	2014 – present
CANADIAN THIRTY METER TELESCOPE PLANNING TEAM Member	2014 – present
CANADIAN SKA SCIENCE ADVISORY COMMITTEE Member	2013 – present
ASSOCIATION OF CANADIAN UNIVERSITIES FOR RESEARCH IN ASTRONOMY NOMINATING COMMITTEE Member	2013 – present
ASSOCIATION OF CANADIAN UNIVERSITIES FOR RESEARCH IN ASTRONOMY UAlberta Representative to Institutional Council	2011 – present
UALBERTA PHYSICS DEPARTMENT Member, Public Outreach Committee	2014 – present
STELLAR TANGO AT THE ROCKIES 2014 Member, Local Organizing Committee	2013 – 2014
UALBERTA PHYSICS DEPARTMENT Member, Masters & PhD Supervisory/Defence Committees (×15)	2011 – present
SKA CANADA PRE-CONSTRUCTION NETWORKING WORKSHOP Member, Local Organizing Committee	2012
CURTIN UNIVERSITY External Member, Jet Physics Postdoc Hiring Committee	2012
INTERNATIONAL ASTRONOMICAL UNION SYMPOSIUM 285 Co-Organizer, X-ray Transients Session	2011 – 2012

ORAL PRESENTATIONS (2011 – 2015):

2015

- Physics Colloquium, McMaster, Hamilton, ON
- Physics Colloquium, University of Waterloo, Waterloo, ON

ORAL PRESENTATIONS (2011 – 2015): (continued)

2014

- Invited Talk, University of Alberta Postdoctoral Fellows Association, Edmonton, AB
- Contributed Talk, Canadian Astronomical Society of Canada 2014, Quebec City, QC
- Contributed Talk, Stellar Tango at the Rockies 2014, Lake Louise, AB

2013

- Contributed Talk, Putting Accretion Theory to the Test, Annapolis, MD
- Physics Colloquium, University of Virginia & National Radio Astronomy Observatory, Charlottesville, VA
- Contributed Talk, Canadian Astronomical Society of Canada 2013, Vancouver, BC
- Invited Public Talk, Edmonton Royal Astronomical Society, Edmonton, AB
- Physics Colloquium, University of Manitoba, Winnipeg, MB
- Physics Colloquium, University of Winnipeg, Winnipeg, MB
- Physics Colloquium, Brandon University, Brandon, MB

2012

- Invited Talk, Compact Binaries in Globular Clusters, Leiden, Netherlands
- Contributed Talk, Royal Astronomical Society of Canada 2012, Edmonton, AB
- Contributed Talk, Canadian Astronomical Society of Canada 2012, Calgary, AB
- Invited Public Talk, Logicon 2012, Edmonton, AB
- Astronomy Seminar, University of Calgary, Calgary, AB
- Media Interview, Quirks & Quarks, Canada
- Contributed Talk, The Physics of Astronomical Transients, Aspen, CO
- Media Interview, CBC Edmonton AM, Edmonton, AB
- Press Release, The Universe at Very High Energies Briefing at the 219th AAS meeting, Austin, TX

2011

- Astronomy Colloquium, University of Toronto, Toronto, ON
- Physics Colloquium, Queens University, Hamilton, ON
- Physics & Astronomy Seminar, University of Victoria, Victoria, BC
- Astronomy Seminar, Hertzberg Institute of Astrophysics, Victoria, BC
- Astronomy Colloquium, University of British Columbia, Vancouver, BC
- Invited Public Talk, Northern Prairie Star Party, Black Nugget Lake, AB
- Open House Public Talk, University of Alberta, Edmonton, AB
- Contributed Talk, Square Kilometer Array 2011, Banff, AB
- Contributed Talk, Canadian Astronomical Society of Canada 2011, London, ON

PROFESSIONAL SERVICE:

Referee for *Astrophysical Journal* & *Monthly Notices of the Royal Astronomical Society*

Peer reviewer for NRAO Science Review Panel

Peer reviewer for NASA Chandra X-ray Observatory Time-Allocation Committee

Peer reviewer of individual proposal for NSF Mid Scale Innovations Program

PROFESSIONAL SERVICE: (continued)

Peer reviewer of individual proposals for Canada Hawaii France Telescope, Gemini Telescopes, & NSERC Discovery Grants

Peer reviewer for *ICREA*, Catalan Institution for Research and Advanced Studies

PROFESSIONAL SOCIETIES:

Canadian Astronomical Society

American Astronomical Society

High Energy Astrophysics Division, AAS

THESES

3. **Sivakoff, G. R.**, “Low-Mass X-Ray Binaries, Diffuse Gas, and Globular Clusters in Early-Type Galaxies”, 2006, Ph.D., University of Virginia
2. **Sivakoff, G. R.**, “MERLIN & VLA Observations of QSO 0800+608”, 2001, M.Sc., University of Manchester
1. **Sivakoff, G. R.**, “Computer Simulations of Blandford-Königl Parsec-Scale Jets”, 2000, B.Sc. with Highest Distinction, Brandeis University

REFEREED PUBLICATIONS

61. Jennings, Z. G., Strader, J., Romanowsky, A. J., Brodie, J. P., Arnold, J. A., Lin, D., Irwin, J. A., **Sivakoff, G. R.**, & Wong, Ka-Wah “The SLUGGS Survey: HST/ACS Mosaic Imaging of the NGC 3115 Globular Cluster System”, 2014, *AJ*, **148**, 32
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