Curriculum Vitae of Valsamo (Vallia) Antoniou

Personal	Smithsonia 60 Garden Cambridge	an Astrophysical Observatory St., MS 67 e, MA 02138	E-mail: vantoniou@cfa.harvard.edu Tel: +1-617-496-7595 (office) Tel: +1-515-450-6378 (mobile)
	Nationality	y: Greek (U.S. permanent resident)	
Research Interests	Multi-wavelength studies of stellar populations; Formation and evolution of accreting binaries; Phys- ical properties of pulsars; Accretion disks around compact objects; Large area/deep X-ray surveys; X-ray source populations; Massive stars at low metallicities; Star-formation history and evolution of Local Group galaxies; Star-forming/starburst galaxies		
Employment	Smithson Postdoo (Adviso	ian Astrophysical Observatory toral Fellow rs: Drs. J. Drake, A. Zezas; jdrake@cfa	September 2013 - Present
	Iowa State University Affiliate Assistant Professor, Department of Physics & Astronom		June 2010 – May 2013 ysics & Astronomy
	Iowa State University December 2009 - M Postdoctoral Research Associate, Department of Physics & Astronomy (Advisor: Prof. M. Marengo; mmarengo@iastate.edu)		December 2009 - May 2010 f Physics & Astronomy ae.edu)
	Smithsonian Astrophysical Observatory Visiting Scientist (Advisors: Dr. A. Zezas; azezas@cfa.harvard.edu)		February 2009 - July 2009.edu)
	Smithson Visiting (Adviso	ian Astrophysical Observatory Scientist rs: Dr. A. Zezas; azezas@cfa.harvard	June 2008 – November 2008. edu)
Education	University of Crete, Greece Degree awarded: PhD (Astrophysics) Advisor: Prof. D. Hatzidimitriou; dh@physics.uoc.gr Thesis: The X-ray source population of the Small Magellanic Clo		May 2008 uoc.gr all Magellanic Cloud
	Universit Degree	y of Crete, Greece awarded: MSc (Graduate Diploma with	July 2004 Specialization in Astrophysics)
	Universit Degree Advisor Disserta	y of Crete, Greece awarded: BSc (Physics) : Prof. D. Hatzidimitriou; dh@physics. ation: Photometric Study of the Galactic	November 2002 uoc.gr c Globular Cluster NGC 6779
Research Experience	Smithsonian Astrophysical ObservatoryFebruary 2004 – AugusVisiting graduate studentAdvisor: Dr. A. Zezas; azezas@cfa.harvard.edu		February 2004 – August 2007 du
Funding Proposals	Title: Agency:	Understanding The Youngest X-ray B (P.I.: V. Antoniou) NASA - Astrophysics Data Analysis F	inary Populations In Low Metallicities Program (ADAP)

	 Duration: 06/01/2010 - 05/31/2013 Effort: 12 Person-Months Per Year Funds: \$322,128 <u>Notes:</u> Supported research on the formation and evolution of X-ray binaries (study the effects of age, metallicity, star-formation rate on young accreting binary populations in the nearest star-forming galaxies) and computation of X-ray binary models 			
	 Title: The deepest census of extragalactic stellar and accreting populations ever (P.I.: V. Antoniou) Agency: Chandra X-ray Observatory - Archive Proposal (Cycle 15) Duration: 01/01/2014 - 12/31/2014 Effort: 12 Person-Months Per Year Funds: \$78,000 Notes: Supported research on archival Chandra ACIS-I and ACIS-S observations of the area of the Supernova Remnant E0102-72.3 in the SMC 			
Awards	American Astronomical Society International Travel GrantJune 2015, September 2013, March 2012, September 2011, September 2010			
International Schools	Summer School in Statistics for Astronomers IVJune 9-14, 2008Organized by Penn State University; Held in State College, PAJune 9-14, 2008			
	4th International X-ray Astronomy SchoolAugust 15 -19, 2005Organized by NASA Goddard Space Flight Center & Chandra X-ray Observatory Center; Held in Cambridge, MA			
	13th & 14th Advanced Physics Summer SchoolJuly 2001 & July 2002Astronomy courses – Organized by University of Crete, Department of Physics and Foundation of Research & Technology Hellas (FORTH); Held in Heraklio, GreeceJuly 2001 & July 2002			
Observing Experience	 6.5m Magellan-Baade telescope at Las Campanas Observatory, Chile (IMACS; imaging) 4.2m William Herschel Telescope at Roque de Los Muchachos Observatory, La Palma, Spain (AF2/WYFFOS; spectroscopy) 4m V. M. Blanco telescope at CTIO, Chile (Mosaic II; imaging) 2.2m MPG/ESO telescope at La Silla Observatory, Chile (WFI; imaging) 1.5m (60") telescope at FLWO, Mt. Hopkins, AZ (FAST; spectroscopy) 1.3m telescope at Skinakas Observatory, Crete, Greece (imaging) 			
Data Analysis Experience	 X-rays Extensive experience in the analysis of observations obtained with the <i>Chandra</i> and <i>XMM-Newton</i> satellites. Limited experience on the reduction of <i>Swift</i> data. Used in the study of: X-ray source populations in nearby star-forming and starburst galaxies Properties of the overall accreting X-ray binary population Relative contribution of the various components Formation and evolution of high-mass X-ray binaries Effect of metallicity and post-starburst age on their formation and evolution Dependence of the X-ray luminosity function on these parameters 			
	 Optical Extensive experience in optical imaging and spectroscopy. Very good knowledge of the IRAF data analysis package. Used for the investigation of the properties of: Globular clusters Reddening, metallicity and age of the most metal-poor and oldest globular clusters in the Galactic halo 			

♦ Populations of young X-ra	y binaries
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- Identification and spectral classification of their optical counterparts
- $H\alpha$ imaging surveys

Infrared

Used data obtained with the *Spitzer* telescope. In particular:

- ♦ Large source samples
 - Strongly involved (as part of the large SAGE-Spec collaboration) on the photometric classification of ~ 7.2 million infrared sources in the Large Magellanic Cloud using a statistical approach based on the weighted k-Nearest Neighbors (k-NN) method
- ◊ High-mass X-ray binaries (Be/X-ray binaries, supergiant X-ray binaries)
 − Infrared excess to probe their winds and circumstellar gas

Computer Skills	Operating systems: Mac, Unix/Linux, Windows
	Software systems: IRAF, Starlink
	Scripting languages: Perl, Fortran, Awk, SuperMongo
	Astronomical Utilities: WCSTools, SExtractor, SWarp, TOPCAT
	X-ray software packages: Chandra (CIAO, Sherpa, MARX); XMM-Newton (SAS, SciSim)
	HEASoft (XANADU, FTOOLS, FITSIO, fv)
	Astrostatistical software: BEHR

TEACHING AND Teaching Assistant

WORK EXPERIENCE

For the undergraduate first year course "Physics I" – University of Crete, Physics Department (September 2003 – January 2004)

Tutor

For high school students in Physics, Mathematics and Chemistry (September 1996 – June 2003)

Web page developer

Designing and developing web pages during internship at Science and Technology Park of Crete (STEP-C; July 2000 – August 2000)

Memberships in	International Astronomical Union (Individual Member)
Professional	American Astronomical Society (Full Member)
Societies	Hellenic Astronomical Society (Ordinary Member)

SERVICE IN THE Public Outreach

Astronomy Community Teaching astronomy to high school students of Crete, Greece in a mobile planetarium (STARLAB; September 2001 – June 2002)

Referee

Astrophysical Journal, Astrophysical Journal Letters

Reviewer

NASA – *Chandra* Peer Review NSF – Stellar Astronomy Program NASA – Astrophysics Data Analysis Program

Science Workin	G Member of the NuSTAR "Starburst Galaxies and Local Group Galaxies" Science Work-
Groups	ing Group
	Chair: Ann Hornschemeier (NASA/GSFC)

This *NuSTAR* program has surveyed 6 normal/starburst galaxies (M82, M83, NGC 3256, NGC 3310, Arp 299, and NGC253) and the largest Local Group spiral galaxy (M31) with the aim

to characterize the hard X-ray properties of sources detected above 10 keV, identify the nature of individually detected X-ray sources (neutron star high-mass X-ray binaries vs. black hole candidates), look for short-term (hours to weeks) variability and establish a baseline for long-term variability studies (weeks to years).

Member of the Spitzer "SAGE-Spec" Science Team

<u>PI:</u> Ciska Kemper (Academia Sinica, Institute of Astronomy and Astrophysics)

SAGE-Spec is a legacy project using the *Spitzer Space Telescope*. It leverages the SAGE-LMC program by conducting a comprehensive IRS and MIPS SED spectroscopy program of dust with the goal to determine the composition, origin, evolution, and observational characteristics of interstellar dust and its role in the LMC.

Member of the "X-ray Deep: Studying the Universe in X-rays" Science Working Group

PI: Ann Hornschemeier (NASA/GSFC)

This X-ray Astrophysics group, based at NASA Goddard Space Flight Center, works on galaxy evolution, X-ray binary populations, and AGN evolution. The research mainly concerns accretion processes in binary systems as well as the general properties of galaxies (star-formation rates, stellar masses, etc.), and centers on assembling uniform datasets (both X-ray and multi-wavelength) that permit robust observational tests of the known X-ray binary scaling correlations. In addition, the group is very interested in the connection between AGN and galaxy evolution, lower-luminosity AGN, and highly obscured AGN.

Member of the Athena "Star formation and evolution" Science Working Group 3.2

<u>co-chairs</u>: A. Hornschemeier, G. Rauw and S. Scioritino

At the June 2014 meeting of ESA's Science Programme Committe, Athena was selected as the mission for the 2nd Large mission opportunity, satisfying the Cosmic Vision theme the "Hot and Energetic Universe". Science Working Group 3.2 forms part of the Athena "Observatory" Science Working Group 3, co-chaired by A. Decourchelle, H. Matsumoto and R. Smith.

Approved Observing Proposals

Optical

- "Insights into High-Mass X-ray Binaries: Classification of sources in a Chandra X-ray Visionary Program" (Science P.I.)
 - 1.5 hours imaging (service time) at the $8.2\mathrm{m}$ VLT UT3 telescope (VIMOS spectr.; $2014\mathrm{B}/2015\mathrm{B};$ P.I. A. Manousakis)

35 hours spectroscopy (service time) at the 8.2m VLT UT3 telescope (VIMOS spectr.; 2014B/2015B; P.I. A. Manousakis)

- "Classification of X-ray sources detected in the XMM-Newton survey of the SMC" (P.I.)
 6 hours (service time through NOAO exchange program) at the Anglo-Australian Telescope (2dF spectrograph; 2012B)
 5.5 hours (service time) at the Anglo-Australian Telescope (2dF spectrograph; 2010B)
- "Characterizing the faint X-ray source population of the Small Magellanic Cloud" (P.I.) 2 nights at the 4m Blanco telescope, CTIO (Mosaic II camera; 2011B)
- "Characterizing the faint X-ray source population of the Small Magellanic Cloud" (Science P.I.) 3 nights at the 2.2m MPG/ESO telescope, La Silla (WFI camera; 2011B; P.I. F. Haberl)
- "Unveiling the nature of young X-ray binaries in the Large Magellanic Cloud" (P.I.)
 5.8 hours (service time) at the Anglo-Australian Telescope (2dF spectrograph; 2010B)
- "Counting the X-ray binaries of the Small Magellanic Cloud" (P.I.)
 15 hours (service time) at the Gemini South Telescope (GMOS-S spectrograph; 2010B)
- "Optical spectroscopy of X-ray sources in the Small Magellanic Cloud" (co-I/P.I.)
 12 hours (service time) at the Anglo-Australian Telescope (2dF spectrograph; 6 hours obser-

vations in each of the observing periods 2004B (co-I; P.I. A. Zezas) & 2008B (P.I.)

"X-ray binaries and stellar populations in the Small Magellanic Cloud" (co-I)
 1 night at the 6.5m Magellan Baade telescope, Las Campanas (IMACS camera; 2004B; P.I. A. Zezas)

X-rays

- "0.5–30 keV monitoring of the M31 disk with *Chandra* and *NuSTAR*" (co-I) 25 ks observations with the *Chandra* X-ray Observatory (Cycle 17; P.I. A. Hornschemeier)
- "Monitoring the X-ray binary populations of M31 with NuSTAR" (co-I) 300 ks observations with the NuSTAR X-ray Telescope (Cycle 1; P.I. A. Hornschemeier)
- "Binaries in the M31 bulge: a hard X-ray view of old stellar populations" (co-I) 100 ks observations with the *NuSTAR* X-ray Telescope (Cycle 1; P.I. M. Yukita)
- "A hard X-ray view of Andromeda (M31): Coordinated XMM-Newton/NuSTAR observations of X-ray binaries from 0.5-30 keV" (co-I)
 35 ks observations with the XMM-Newton X-ray Telescope (AO-14; P.I. A. Hornschemeier)
- "A Chandra Legacy Survey of the disk of M31" (co-I) 350 ks observations with the *Chandra* X-ray Observatory (Cycle 16; P.I. B. Williams)
- "The SMC A case study of X-ray source populations at low metallicity" (co-I)
 1.1 Ms observations with the *Chandra* X-ray Observatory (Cycle 14; P.I. A. Zezas)
- "The X-ray source populations of different stellar generations in the LMC" (P.I.) 66 ks, 33 ks & 33 ks observations with the XMM-Newton X-ray Observatory (AO-9, AO-10 & AO-11)
- "The X-ray source population of different stellar generations in the SMC" (co-I) 137.4 ks & 46 ks observations with the XMM-Newton X-ray Observatory (AO-4 & AO-6; P.I. A. Zezas)

PEER REVIEWED 1. Hong, J., Antoniou, V., Zezas, A. et al. 2016, SXP214, an X-ray pulsar in the Small Magellanic Cloud, crossing the circumstellar disk of the companion, ApJ submitted

- Yukita, M., Hornschemeier, A. E., Lehmer, B. D., Ptak, A., Wik, D. R., Zezas, A., Antoniou, V. et al. 2016, A Hard X-ray Study of the Normal Star-Forming Galaxy M83 with NuSTAR, ApJ accepted (arXiv:1604.07441)
- Antoniou, V. & Zezas, A. 2016, Star-Formation History and X-ray Binary Populations: The Case of the Large Magellanic Cloud, MNRAS, 459, 528
- Maccarone, T. J., Yukita, M., Hornschemeier, A. E., Lehmer, B. D., Antoniou, V., Ptak, A., et al. 2016, Demonstrating the likely neutron star nature of four M31 globular cluster sources with Swift-NuSTAR spectroscopy, MNRAS, 458, 3633
- Ruffle, P. M. E., Kemper, F., Jones, O. C., Sloan, G. C., Kraemer, K. E., Woods, P. M., Boyer, M. L., Srinivasan, S., Antoniou, V. et al. 2015, Spitzer Infrared Spectrograph point source classification in the Small Magellanic Cloud, MNRAS, 451, 3504
- Lehmer, B. D., Tyler, J. B., Wik, D. R., Yukita, M., Hornschemeier, A. E., Antoniou, V. et al. 2015, The 0.3-30 keV spectra of powerful starburst galaxies: NuSTAR and Chandra observations of NGC 3256 and NGC 3310, ApJ, 806, 126
- Ptak, A., Hornschemeier, A., Zezas, A., Lehmer, B., Yukita, M., Wik, D. R., Antoniou, V. et al. 2015, A focused, hard X-ray look at Arp 299 with NuSTAR, ApJ, 800, 104
- 8. Wik, D. R., Lehmer, B., Hornschemeier, A., Yukita, M., Ptak, A., Zezas, A., Antoniou, V. et

al. 2014, Spatially resolving a starburst galaxy at hard X-ray energies: NuSTAR, Chandra, and VLBA observations of NGC 253, ApJ, 797, 79

- Maccarone, T. J., Lehmer, B. D., Leyder, J. C., Antoniou, V. et al. 2014, A new candidate Wolf-Rayet X-ray binary in NGC 253, MNRAS, 439, 3064
- Maravelias, G., Zezas, A., Antoniou, V. & Hatzidimitriou, D. 2014, Optical spectra of five new Be/X-ray binaries in the Small Magellanic Cloud and the link of the supergiant B[e] star LHA 115-S 18 with an X-ray source, MNRAS, 438, 2005
- Lehmer, B. D., Wik, D. R., Hornschemeier, A. E., Ptak, A., Antoniou, V. et al. 2013, NuSTAR and Chandra insight into the nature of the 3–40 keV nuclear emission in NGC 253, ApJ, 771, 134
- Woods, P. M., Oliveira, J. M., Kemper, F. et al. 2011, The SAGE-Spec Spitzer Legacy program: The life-cycle of dust and gas in the Large Magellanic Cloud. Point source classification I, MN-RAS, 411, 1597
- 13. Antoniou, V., Zezas, A., Hatzidimitriou, D. & Kalogera, V. 2010, Star Formation History and X-ray Binary Populations: The Case of the Small Magellanic Cloud, ApJL, 716, 140 This work is cited on the 2012 Senior Review of "XMM-Newton Guest Observer Facility, Guest Observer Funding, US RGS Team, and XMM-Newton Education and Public Outreach" (available from here: ftp://legacy.gsfc.nasa.gov/xmm/doc/senior_review/xmm_sr_science_2012.pdf)
- Laycock, S., Zezas, A., Hong, J., Drake, J. J., Antoniou, V. 2010, Exploring the Small Magellanic Cloud to the Faintest X-ray Fluxes: Source Catalog, Timing, and Spectral Analysis, ApJ, 716, 1217
- 15. Kemper, F., Woods, P. M., Antoniou, V. et al. 2010, The SAGE-Spec Spitzer Legacy Program: The Life Cycle of Dust and Gas in the Large Magellanic Cloud, PASP, 122, 683
- Antoniou, V., Hatzidimitriou, D., Zezas, A., & Reig, P. 2009, Optical spectroscopy of 20 Be/Xray Binaries in the Small Magellanic Cloud, ApJ, 707, 1080
- Antoniou, V., Zezas, A., Hatzidimitriou, D. & McDowell, J. 2009, The Chandra survey of the SMC "Bar": II. Optical counterparts of X-ray sources, ApJ, 697, 1695
- Hatzidimitriou, D., Antoniou, V., Papadakis, I., Kaltsa, M., Papadaki, C., Papamastorakis, I., & Croke, B.F.W. 2004, *BVRI photometry of the galactic globular cluster NGC 6779*, MNRAS, 348, 1157

Proceedings Articles

- Antoniou, V., Zezas, A. & Hatzidimitriou, D., Kalogera, V., Small Magellanic Cloud: Star-Formation History and X-Ray Binary Populations, Proceedings article for "the 9th International Conference of the Hellenic Astronomical Society", Edited by Kanaris Tsinganos, Despina Hatzidimitriou, and Titos Matsakos, San Francisco: Astronomical Society of the Pacific, p. 230 (2010)
 - Antoniou, V., Zezas, A., Hatzidimitriou, D. & Kalogera, V., Star-Formation History and Young X-ray Binary Populations: The Case of the Small Magellanic Cloud, Proceedings of the "Chandra's First Decade of Discovery", Edited by Scott Wolk, Antonella Fruscione, and Douglas Swartz, Boston, MA (2009)
 - Zezas, A., Antoniou, V., Gazeas, K., Sell, P., Fabbiano, G., Kalogera, V. & Pooley, D., X-ray source populations in nearby spiral and star-forming galaxies, Proceedings of the "Chandra's First Decade of Discovery", Edited by Scott Wolk, Antonella Fruscione, and Douglas Swartz, Boston, MA (2009)
 - 22. Antoniou, V., Zezas, A. & Hatzidimitriou, D., A comprehensive study of the link between star-

formation history and X-ray source populations in the SMC, Proceedings article for the IAU Symposium 256 "The Magellanic System: Stars, Gas, and Galaxies", Edited by Jacco Th. van Loon & Joana M. Oliveira, Vol. 4, pp. 355-360, Cambridge: Cambridge University Press (2009)

- Antoniou, V., Zezas, A. & Hatzidimitriou, D., Study of the Faint End of the X-ray Source Populations in the Small Magellanic Cloud, Proceedings article for the conference "A Population Explosion: The Nature and Evolution of X-ray Binaries in Diverse Environments", AIP Conference Proceedings, Volume 1010, pp. 320-324 (2008)
- Antoniou, V., Zezas, A. & Hatzidimitriou, D., Studies of the faint X-ray source population in the Small Magellanic Cloud, Proceedings of ESAC faculty workshop on "X-rays from Nearby Galaxies", MPE Report 295, ISSN 0178-0719, pp. 38-41 (2008)
- TELEGRAMS
 25. Blondin, S., Modjaz, M., Kirshner, R., Challis, P., Matheson, T., Antoniou, V., Supernova 2006bb in UGC 4468, Central Bureau for Astronomical Telegrams, 461, 1; edited by Green, D. W. E. (2006)
 - 26. Blondin, S., Modjaz, M., Kirshner, R., Challis, P., Antoniou, V., Supernova 2006ba in NGC 2980, Central Bureau for Astronomical Telegrams, 458, 1; edited by Green, D. W. E. (2006)

SELECTED Contributed Talks & Seminars

PRESENTATIONS

- ◊ "The young X-ray binary populations in our backyard", Oct. 2015, Chandra X-ray Center Smithsonian Astrophysical Observatory, Cambridge, MA (seminar)
- "First results from the 1.1 Ms Chandra X-ray Visionary Program of the Small Magellanic Cloud", June 2015, 12th Hellenic Astronomical Conference, Thessaloniki, Greece (talk)
- "A deep Chandra survey of one of the nearest star-forming low-metallicity galaxies: First results", Aug. 2014, 14th HEAD AAS Meeting, Chicago, IL (talk)
- ◊ "A Chandra X-ray Visionary Program of a low-metallicity star-forming galaxy: First results", July 2014, X-ray View of Galaxy Ecosystems, Boston, MA (talk)
- ◇ "Insights into the High-Mass X-ray Binary Population of the Magellanic Clouds", Sept 2013, 11th Hellenic Astronomical Conference, Athens, Greece (talk)
- ◇ "The missing piece of the puzzle: Neutron stars accreting from supergiant companions", Sept. 2012, Half a century of X-ray astronomy, Mykonos, Greece (talk)
- ◇ "Constraining the formation and evolution of young X-ray binaries in the nearest star-forming galaxies", Jan. 2012, 219th AAS meeting, Austin, TX (talk)
- "Constraining the formation and evolution of young X-ray binaries in the nearest star-forming galaxies", Nov. 2011, ESO Offices, Santiago, Chile (seminar)
- ◇ "Connecting the young accreting binary population of the Magellanic Clouds with their starformation history", Sept. 2011, 10th Hellenic Astronomical Conference, Ioannina, Greece (talk)
- ◇ "Connecting the young accreting binary population of the Magellanic Clouds with their starformation history", July 2011, BeXRB 2011, Valencia, Spain (talk)
- ◇ "Young X-ray binary populations in low metallicity star-forming galaxies", Sept. 2010, High Energy View of Accreting Objects: AGN and XRBs, Agios Nikolaos, Crete, Greece (talk)
- "Probing the link between star-formation history and young X-ray binary populations: The case of the Small Magellanic Cloud", Aug. 2009, Physics & Astronomy Dept., Iowa State University, Ames, IA (seminar)
- ◇ "Probing the link between star-formation history and young X-ray binary populations: The case of

the Small Magellanic Cloud", Apr. 2009, High Energy Astrophysics Division, Harvard-Smithsonian Center for Astrophysics, Cambridge, MA (seminar)

- "A comprehensive study of the link between star-formation history and X-ray source populations in the SMC", July 2008, IAU Symposium 256, The Magellanic System: Stars, Gas, and Galaxies, Keele, UK (talk)
- *"Study of the faint end of the X-ray source populations in the Small Magellanic Cloud"*, Oct. 2007, A Population Explosion: The Nature and Evolution of X-ray Binaries in Diverse Environments, St. Petersburg Beach, FL (talk)
- ◇ "Studies of the faint end of the X-ray source population in the Small Magellanic Cloud", Sept. 2007, 8th Hellenic Astronomical Conference, Thassos, Greece (talk)
- ◇ "Studies of the faint end of the X-ray source population in the Small Magellanic Cloud", Sept. 2007, X-rays from Nearby Galaxies, ESAC, Villafranca del Castillo, Madrid, Spain (talk)
- ◊ "A Chandra survey of the Small Magellanic Cloud: Optical counterparts of X-ray sources", May 2007, AAS 210th Meeting, Honolulu, HI (talk)

Posters

- ◇ "The link between young X-ray binaries and star formation in our nearest low-metallicity starforming galaxy", June 2015, 12th Hellenic Astronomical Conference, Thessaloniki, Greece
- ◊ "Understanding young X-ray binaries in the Small Magellanic Cloud", Nov. 2014, 15 Years of Science with Chandra Symposium, Boston, MA
- ◊ "A deep X-ray view of the Small Magellanic Cloud", June 2014, AAS 224th meeting, Boston, MA
- "High-Mass X-ray Binaries in our Backyard: Studying Their Formation and Evolution in the Magellanic Clouds", Apr. 2013, HEAD 13th meeting, Monterey, CA
- ◇ "Optical spectroscopy of High-Mass X-ray Binaries in the Small Magellanic Cloud", July 2012, X-ray binaries: Celebrating 50 years since the discovery of Sco X-1, Cambridge, MA
- ◊ "Young X-ray binary populations in low metallicity star-forming galaxies", June 2011, The X-ray Universe 2011, Berlin, Germany
- ◊ "Young X-ray binary populations in low metallicity star-forming galaxies", May 2011, Twelve Years of Science with Chandra & AAS 218th meeting, Cambridge, MA
- ◊ "Understanding the youngest X-ray binary populations in low metallicities", Mar. 2010, HEAD 11th meeting, Big Island, HI
- ◊ "Exploring the Small Magellanic Cloud to the faintest X-ray fluxes", Mar. 2010, HEAD 11th meeting, Big Island, HI
- ◊ "Optical counterparts of X-ray sources in the Small Magellanic Cloud", Nov. 2005, Six Years of Science with Chandra, Symposium dedicated to Leon Van Speybroeck, Cambridge, MA
- ◊ " Optical counterparts of X-ray sources in the Small Magellanic Cloud", Sept. 2005, 7th Hellenic Astronomical Conference, Kefalonia, Greece
- ◊ "Optical counterparts of X-ray sources in the Small Magellanic Cloud", July 2004, Galaxies Viewed with Chandra Workshop, Cambridge, MA

References

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Additional references are available upon request.