

CONTACT INFORMATION

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Dept. of Physics and Astronomy

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CURRENT POSITION

Professor of Physics and Astronomy (2021–present)

PREVIOUS POSITIONS

Associate Professor of Physics and Astronomy, GSU (2016–2021)

Assistant Professor of Physics and Astronomy, GSU (2010–2016)

Hubble Fellow, Dept. of Physics and Astronomy, U. of CA, Irvine (2009–2010)

Postdoctoral Researcher, Dept. of Physics and Astronomy, U. of CA, Irvine (2007–2009)

RESEARCH INTERESTS

Active Galactic Nuclei (AGNs), Black Hole Masses, Black Hole Scaling Relationships, AGN Physical Structure and Kinematics, Host Galaxy Characteristics

EDUCATION

PhD, Astronomy (June 2007) - Ohio State U., Advisor: B. M. Peterson

MS, Astronomy (March 2005) - Ohio State U.

BS, Physics with College Honors (June 2002) - U. of Washington, Seattle

BS, Astronomy with Math Minor (June 2002) - U. of Washington, Seattle

PROFESSIONAL MEMBERSHIPS

American Astronomical Society

International Astronomical Union

American Association for the Advancement of Science

HONORS AND AWARDS

UCSD Margaret Burbidge Visiting Professorship of Physics and Astronomy (2021)

Carl R. Nave Award for Outstanding Teaching, GSU Society of Physics Students (2020)

GSU Outstanding Faculty Achievement Award (2019)

GSU College of Arts & Sciences Outstanding Senior Faculty Award (2018)

GSU College of Arts & Sciences Outstanding Junior Faculty Award (2014)

GSU College of Arts & Sciences Dean's Early Career Award (2013)

Top 20 Women Professors in Georgia, StateStats.org (2013)

Hubble Fellowship (2009-2010)

Allan Markowitz Graduate Award for Excellence in Observational Astronomy (2006)

National Science Foundation Graduate Research Fellowship (2004-2007)

2nd Place, Mathematics and Physical Sciences, Hayes Graduate Research Forum (2004)

Ohio State U. Graduate Fellowship (2002-2003)

Baer Prize for Undergraduate Excellence in Astronomy (2000-2001)

National Society of Collegiate Scholars Merit Scholarship (2001)

Ronald E. McNair Scholar (2000-2002)

NASA Space Grant Scholar (1998-2002)

GRANTS

- \$85,000: James Webb Space Telescope, Early Release Science Program (pending)
Nuclear Dynamics of a Nearby Seyfert with NIRSpec Integral Field Spectroscopy
- \$42,000: GSU Student Technology Fee (active)
Imaging Camera for GSU's HLC Observatory
- \$451,000: National Science Foundation Astronomy and Astrophysics Grants (active)
Direct Comparisons of Black Hole Mass Measurements
- \$70,000: James Webb Space Telescope, ERS Program Preparatory Grant (active)
Nuclear Dynamics of a Nearby Seyfert with NIRSpec Integral Field Spectroscopy
- \$23,000: Hubble Space Telescope, General Observer Program 15263 (ended)
The Host Galaxy of the Low Mass Black Hole in UGC 06728
- \$66,000: Hubble Space Telescope, General Observer Program 13816 (ended)
High-Resolution Imaging of Active Galaxies with Direct Black Hole Mass Measurements
- \$862,000: National Science Foundation CAREER Program (ended)
CAREER: Campaigning for Better Black Hole Mass Relations
- \$81,000: Hubble Space Telescope, General Observer Program 12961 (ended)
A Cepheid Distance to NGC6814
- \$13,000: Hubble Space Telescope, General Observer Program 13330 (ended)
Mapping the AGN Broad Line Region by Reverberation
- \$10,000: GSU Student Technology Fee (ended)
Improving the View: Telescope Upgrades at HLCO
- \$20,000: GSU Student Technology Fee (ended)
Dark Sky Observing from Downtown Atlanta
- \$26,000: National Radio Astronomy Observatories, Student Support Grant (ended)
HI Spectroscopy of Reverberation-Mapped AGN Host Galaxies
- \$54,000: Hubble Space Telescope, General Observer Program 11662 (ended)
Improving the Radius-Luminosity Relationship for Broad-lined AGNs with a New Reverberation Sample
- \$46,000: Hubble Space Telescope, General Observer Program 11661 (ended)
The Black Hole Mass – Bulge Luminosity Relationship for the Nearest Reverberation-Mapped AGNs
- \$10,000: Georgia State University Research Initiation Grant (ended)
Testing the State of the Art Techniques in Black Hole Mass Measurements
- \$97,000: Hubble Fellowship 51251.01 (ended)
A Detailed Study of AGN Broad Line Regions with Reverberation Mapping
- \$33,000: Hubble Space Telescope, General Observer Program 10181 (ended)
ACS/NICMOS Imaging of Bright Lyman Break Galaxy Candidates from SDSS
- Total to date: \$1,989,000**

RECENT AWARDS OF COMPETITIVE OBSERVING TIME

- 8.5 hrs: James Webb Space Telescope Cycle 0 (2021-2022)
Nuclear Dynamics of a Nearby Seyfert with NIRSpec Integral Field Spectroscopy
- 2.5+1.6 nights Las Cumbres Observatory Semester 2020A
Reverberation Mapping of the Nearby Seyfert NGC3783
- 2 nights WIYN Telescope Semester 2019A (PI: R. Merritt)
The Host Galaxies of Reverberation-Mapped AGNs in the Near-Infrared
- 18 hrs: Very Large Telescope Semester period 102A (fall 2018-spring 2019)
The Mass of the Central Black Hole in MCG-06-30-15
- 2 nights: WIYN Telescope Semester 2018B (PI: R. Merritt)
The Host Galaxies of Reverberation-Mapped AGNs in the Near-Infrared
- 165.25 hrs: Green Bank Telescope Semester 2018B (PI: J. Robinson)
HI Spectroscopy of Active Galaxies with Direct Black Hole Mass Measurements
- 2 orbits: Hubble Space Telescope Cycle 25 (2017-2018)
The Host Galaxy of the Low Mass Black Hole in UGC 06728
- 22.0 hrs: Gemini Observatory Semester 2018A (PI: M. Batista)
Improving Bulge Stellar Velocity Dispersion Estimates for Calibration of the $M_{BH} - \sigma_$ Relation for AGN*
- 13.5 hrs: Gemini Observatory Semester 2015A
A Stellar Dynamical Black Hole Mass for the Nearby Seyfert Galaxy NGC5273 (Band 1)
- 4 nights: WIYN Telescope Semester 2015A (PI: M. Batista)
Deconstructing Dynamics: Improving AGN σ_ Measurements for Calibration of the $M_{BH} - \sigma_*$ Relation*
- 14 orbits: Hubble Space Telescope Cycle 22 (2014-2015)
High-Resolution Imaging of Active Galaxies with Direct Black Hole Mass Measurements
- 179 orbits: Hubble Space Telescope Cycle 21 (2013-2014; PI: B. Peterson, OSU)
Mapping the AGN Broad Line Region by Reverberation
- 21.5 hrs: Gemini Observatory Semester 2013B
A Stellar Dynamical Black Hole Mass for the Reverberation-Mapped Active Galaxy NGC6814 (Band 1)
- 182.75 hrs: Green Bank Telescope Semester 2013A (PI: B. Ou-Yang)
HI Spectroscopy of Reverberation-Mapped AGN Host Galaxies
- 3 nights: WIYN Telescope Semester 2013A (PI: E. Manne-Nicholas)
The Black Hole Mass-Bulge Luminosity Relationship for Reverberation-Mapped AGNs in the Near-IR
- 19 orbits: Hubble Space Telescope Cycle 20 (2012-2013)
A Cepheid Distance to NGC6814
- 20 hrs: Gemini Observatory Semester 2012A
- 4 nights: WIYN Telescope Semester 2011B
The Black Hole Mass-Bulge Luminosity Relationship for Reverberation-Mapped AGNs in the Near-IR

SELECTED RECENT CONFERENCES AND COLLOQUIA

- Jul 2021: International AGN Seminar Series, Zoom and YouTube
- Apr 2021: **Invited panelist**, *Golden Webinars in Astrophysics feat. Dr. Meg Urry*, Zoom and YouTube
- Mar 2020: **Invited talk**, *JWST Early Release Science Webinars*, WebEx and YouTube
- Nov 2019: **Invited review talk**, *The New Faces of Black Holes Workshop*, Annapolis, MD
- Jun 2019: SOFIA Science Center, NASA Ames, Moffett Field, CA
- Feb 2019: Florida Institute of Technology, Melbourne, FL
- Feb 2019: University of Georgia, Athens, GA
- Jan 2019: **Invited talk**, *NASA Hyperwall at the 233rd AAS Meeting*, Seattle, WA
- Nov 2018: United States Naval Observatory, Washington, DC
- Oct 2018: Texas A&M University, College Station, TX
- Sep 2018: Space Telescope Science Institute, Baltimore, MD
- Aug 2018: **Invited panelist**, *Adventures in Astrophysics Symposium*, Aptos, CA
- Jun 2018: Session Chair, *Massive Black Holes in Evolving Galaxies*, Paris, France
- Oct 2017: Georgia Tech, Atlanta, GA
- Apr 2017: Oglethorpe University, Atlanta, GA (YouTube recording)
- Feb 2017: **Invited talk**, *Winter Meeting of the AAPT*, Atlanta, GA
- Sep 2016: University of Alabama, Huntsville, AL
- May 2016: Contributed talk, *Great Lakes Quasar Symposium*, London, Ontario, Canada
- Apr 2016: Spelman College, Atlanta, GA
- Apr 2016: Mississippi State University, Starkville MS
- Jul 2015: Contributed talk, *AGN STORM Workshop*, Columbus, OH
- Nov 2014: **Invited review talk**, *Astronomy at High Angular Resolution workshop*, ESO Headquarters, Garching, Germany
- Oct 2014: Wayne State University, Detroit, MI
- Oct 2014: University of Michigan, Ann Arbor, MI
- Jul 2014: University of Sheffield, South Yorkshire, United Kingdom
- May 2014: **Invited talk**, *Apache Point Observatory 25th Anniversary*, Sunspot, NM
- Mar 2014: Boston University, Boston, MA
- Jan 2014: NRC Herzberg Institute of Astrophysics, Victoria, British Columbia
- Oct 2013: University of Kentucky, Lexington, KY
- Sep 2013: Clemson University, Clemson, SC
- Feb 2013: National Radio Astronomy Observatory, Green Bank, WV
- Oct 2012: **Invited keynote talk**, *Georgia Regional Astronomers Meeting*, Georgia Southern University, Statesboro, GA
- Aug 2012: **Invited talk**, *Xtreme Astrophysics* symposium at Georgia Institute of Technology, Atlanta, GA
- Jul 2012: **Invited review talk**, *Improving Black Hole Masses in AGN* workshop, Dark Cosmology Center, Niels Bohr Institute, Copenhagen, Denmark
- Sep 2011: **Two invited talks**, *Astrotomography Workshop and Light Echoes Workshop at IAU Symposium 285 — New Advances in Time Domain Astronomy*, University of Oxford, England
- Aug 2011: **Invited review talk**, *Single and Double Black Holes in Galaxies* workshop, University of Michigan, Ann Arbor, MI

COURSES DEVELOPED AND TAUGHT

ASTR1010 “Astronomy of the Solar System”, undergraduate lab science course, GSU
 PHYS1000/7000 “Gateway to Physics”, freshman undergraduate major course
 cross-listed with graduate course, Signature Experience Course, GSU
 ASTR4100/6100 “Astronomical Techniques and Instrumentation”, senior undergraduate
 major course cross-listed with graduate course, Signature Experience Course, GSU
 ASTR8900 “Astronomy Seminar”, graduate course, GSU
 Spring 2013: Non-Academic Jobs for PhD Astronomers
 ASTR1000 “Introduction to the Universe”, undergraduate science elective, GSU
 “Algebra Review”, Columbus School for Girls (July 2003, July 2004)
 “SAT Math Preparation”, Columbus School for Girls (July 2003, July 2004)

PARTICIPATION IN PEDAGOGY AND TRAINING WORKSHOPS

“Pronouns 101”, GSU Office of Diversity Education Planning, webinar, July 2021
 “Belonging: African American Women in Physics & Astronomy”, American Institute of
 Physics, webinar, June 2021
 “Supporting Black Students’ Academic Success”, American Physical Society, webinar,
 February 2021
 “Making Physics Inclusive and Equitable”, American Physical Society, webinar, June
 2020
 “Faculty Search Committee Best Practices”, Arts & Sciences Faculty Development, GSU,
 July 2019
 “Course-based Undergraduate Research Experiences”, Faculty Teaching and Learning
 Community, GSU, Spring 2018
 National Society of Black Physicists Annual Meeting, Atlanta, November 2017
 “Physics and Astronomy New Faculty Workshop”, American Association of Physics
 Teachers and American Physical Society, Baltimore, MD, November 2011

POSTDOCS ADVISED

Dr. Merida Batiste (PhD: U. Maine), 2014–2017

PHD STUDENTS ADVISED

Katie Reyes, PhD student, GSU, expected degree date 2023
 Justin Robinson, PhD student, GSU, expected degree date 2022
 Rachael Merritt, PhD student, GSU, expected degree date 2021
 Dr. Caroline Roberts, PhD, GSU, 2019
 Dr. Emily Manne-Nicholas, PhD, GSU, 2017

MS STUDENTS ADVISED

Benjamin Ou-Yang, MS, GSU, 2017

GRADUATE STUDENTS ADVISED, NON-DEGREE PROJECTS

Daniel Horenstein, GSU, 2014
 Crystal Pope, GSU, 2013
 Robert Loewenthal, GSU, 2012
 Benjamin Williams, GSU, 2011

UNDERGRADUATE AND HIGH SCHOOL STUDENTS ADVISED

Nicholas Davis, BS student (physics), GSU, 2020
 Eli Mayfield, BS student (physics), GSU, 2018
 Jordana Walker, BS student (physics), GSU, 2018
 Steven Agudelo, BS student (physics), GSU, 2018
 Roberto Diaz, BS student (physics), GSU, 2018
 Louis Gonzalez, BS student (physics), GSU, 2017, 2018
 Francisco Martinez, BS student (physics), GSU, 2015–2016
 James Seals, BS student (physics), GSU, 2015–2016
 Bobby Jones, BS student (physics), GSU, 2015
 Craig Bazhaw, BS student (physics), GSU, 2014
 Kevin Lowery, BS student (physics), GSU, 2014
 Gabriela Hernandez, BS student (math), GSU, 2013–2014
 Sarah Katz, North Springs Charter High School, 2013–2014
 Lawrence Coley, BS student (physics), GSU, 2013
 Caroline Roberts, BS student (physics), Sewanee University, 2013
 Ricardo Pedraza, BS student (physics), GSU, 2012
 Jonathan Gardner, BS student (physics), GSU, 2011
 Tyler Drake, BS student (physics), GSU, 2010–2011

DISSERTATION/THESIS COMMITTEES (MEMBER)

Wesley Peters, PhD, Astronomy, GSU, May 2019
 Mitchell Revalski, PhD, Astronomy, GSU, May 2019
 Jens Juel Jensen, PhD, Astronomy, University of Copenhagen, June 2018
 Don Ruwan Sampath Gamage, PhD, Physics, GSU, July 2017
 Karen Garcia, MS, Physics, GSU, March 2017
 Cheuk-Ping Wong, MS, Physics, GSU, Nov 2016
 Ganesh Chand, PhD, Physics, GSU, Nov 2015
 Joe Eggen, PhD, Astronomy, GSU, July 2014
 Jeremy Maune, PhD, Astronomy, GSU, July 2014
 Daniel Lawther, MS, Astronomy, University of Copenhagen, May 2013
 Laura Patel, PhD, Physics, GSU, Apr 2013
 Abhisek Sen, PhD, Physics, GSU, Nov 2012
 Travis Fischer, PhD, Astronomy, GSU, Jun 2012
 Noel Richardson, PhD, Astronomy, GSU, Apr 2012
 Robert Moore, MS, Physics, GSU, Apr 2012

ASTRONOMY SERVICE

AURA Roman-Rubin Synergy Working Group, 2021–present
 AAS Publications Committee, 2021–present
 AAS Henri Chrétien International Research Grants Committee, 2019–present
 Hubble Space Telescope Financial Review Committee, 2017–present
 Las Cumbres Observatory, proposal review panel member, 2021
 NASA Cosmic Origins Program Analysis Group Executive Committee, 2017–2020
 NASA Earth and Space Science Fellowship (NESSF), proposal reviewer, 2018
 American Astronomical Society Congressional Visit Day, participant, March 2018
 Chair, Local Organizing Committee, AGN STORM 2017 Workshop, GSU, August 2017

Hubble Space Telescope Cycle 25, proposal review panel member, June 2017
National Science Foundation, proposal review panel member, October 2015
Hubble Space Telescope Cycle 22, proposal review panel member, June 2014
National Science Foundation, proposal review panel member, November 2013
NASA Astrophysics Roadmap Committee Member, 2013
Israel Science Foundation, proposal reviewer, April 2013
Scientific Organizing Committee, July 2012 DARK Cosmology Center Workshop,
Niels Bohr Institute, University of Copenhagen, Denmark
Kepler Space Telescope Cycle 4, proposal review panel member, April 2012
Estonian Science Foundation Mobilitas Top Researcher Program, proposal reviewer
December 2011
Hubble Space Telescope Cycle 18, proposal review panel member, May 2010
Chandra X-ray Observatory Cycle 11, proposal review panel member, June 2009
Referee for *Nature*, *Nature Astronomy*, *ApJ*, *AJ*, *PASP*, *MNRAS*, *A&A*, *Advances in
Astronomy*

UNIVERSITY SERVICE

Faculty representative for University Institutional Change Committee, NSF-APLU
Aspire, 2019
Faculty representative for APLU Includes Self-Study Tool assessment team, 2017
Panelist for NSF CAREER Award Seminar, presented by GSU URSA, Feb 2015
GSU Urban Astronomy Center and Planetarium project co-lead, 2012–2017
Astronomy Undergraduate Advisor, GSU, 2012–2016
Society of Physics Students Faculty Advisor, GSU, 2012–2016

COLLEGE SERVICE

GSU M.S. Graduation Speaker, Natural and Computational Sciences, 2019
Dean’s Task Force on College Structure, 2018–2019
Department representative for NSF AGEP proposal planning, 2017
Department representative for Clare Booth Luce Foundation proposal planning, 2016–2017
Department representative for NSF ADVANCE grant proposal planning, 2015–2017

DEPARTMENTAL SERVICE

Representative, APO 3.5m Instrumentation Planning Task Force, GSU, 2021–present
Chair, Physics and Astronomy Taskforce on Diversity, Equity, and Inclusion, GSU, 2020–present
Physics and Astronomy Department Colloquium Committee, GSU, 2018–present
Representative, Apache Point Observatory User’s Committee, GSU, 2018–present
Physics and Astronomy Promotion Committee, GSU, 2016–present
Physics and Astronomy Faculty Director of Development, GSU, 2015–present
Physics and Astronomy Department Publicity Committee, GSU, 2013–present
Astronomy Graduate Student Candidacy Exam Committee, GSU, 2011–present
Astronomy Graduate Student Admissions Committee, GSU, 2011–present
Chair, Astronomy Faculty Hiring Committee (extragalactic), GSU, 2019–2020
Astronomy Faculty Hiring Committee (academic professional), GSU, 2019–2020
Physics and Astronomy Academic Program Review, Self-Study Committee, GSU, 2017–2018
Representative, APO Time Domain Astronomy Working Group, GSU, 2017

Physics and Astronomy Executive Committee, GSU, 2016–2020
Astronomy Faculty Hiring Committee (solar/stellar), GSU, 2016–2017
PI, Next Generation Faculty Proposal, GSU, 2015, 2016, 2017
Physics and Astronomy Department Honors Celebration organizer, GSU, 2013–2016
Summer Student Program in Astronomy organizer, GSU, 2013–2015
Physics and Astronomy Civility Team (PACT) founding member, GSU, 2012–2014
Physics and Astronomy Department Chair Selection Committee, GSU 2012
Chair, Astronomy Faculty Hiring Committee (extragalactic), GSU, 2011–2012
Astronomy Faculty Hiring Committee (stellar), GSU, 2011–2012
Astronomy 2CI Faculty Hiring Committee, GSU, 2011–2014
Dept. of Physics and Astronomy Website Committee, GSU, 2011–2012
AGN Lunch founder and organizer, GSU, 2010–2012
Women in Physics Lunch founder and organizer, GSU, 2010–2012

COMMUNITY ENGAGEMENT

Virtual panel discussion, “STEM Gems Summit: Women Empowering Girls”, STEM Gems, Mar 2021
Virtual panel discussion, “Unladylike 2020: Pioneers in STEM” documentary, GPB and Science ATL, Dec 2020
Multiple events in Mar and Apr 2019 canceled due to COVID-19
Panel discussion, “Our Universe: A Continuous Evolution”, Dahlonga Science Festival, Mar 2019
Scientist Visitor, 4th grade classroom at Alpharetta Elementary, May 2019
Scientist Visitor, 5th grade STEM Gems Club at Sagamore Hills Elementary, Apr 2019
Panel discussion, “STEM Gems”, Atlanta Science Festival, Mar 2019
Scientist Presenter, “Complete the Circuit, Presented by 500 Women Scientists”, Atlanta Science Festival, Mar 2019
Invited public lecture, Florida Institute of Technology, Feb 2019
Skype-A-Scientist with 3rd–5th graders at Keenan Elementary, Montgomery TX, Nov 2018
Panel discussion, “The Most Unknown” documentary, an event of the Atlanta Science Tavern, hosted by the Jimmy Carter Presidential Library and Museum, Nov 2018
Public lecture, “Science Salon for Puerto Rico”, Atlanta Pod of 500 Women Scientists, over \$1000 raised, Apr 2018
Presenter, “WABE Presents: Ask A Scientist”, Atlanta Science Festival, Mar 2018
Panel discussion, “STEM Gems”, Atlanta Science Festival, Mar 2018
Invited public lecture, Atlanta Science Tavern, Jan 2018
“Women in STEM: My Perspective”, lecture and discussion, Young Democrats of Cobb County, Aug 2017
Panel discussion, “Into the Unknown” documentary produced by Northrop Grumman Engineering Corporation about the James Webb Space Telescope, Atlanta Science Festival, Mar 2017
Introduced Dr. Priyamvada Natarajan and her book, “Mapping the Heavens: The Radical Scientific Ideas that Reveal the Cosmos”, Decatur Book Festival, Sep 2016
Invited public lecture, Atlanta Astronomy Club, May 2016
Invited public lecture, Augusta University, Apr 2016

Co-organizer, Atlanta Science Festival presents Starry Starry Night at Hard Labor Creek Observatory, Mar 2016
 Public lecture co-participant, Ebrik Coffee House, Atlanta, GA, Mar 2016
 Invited public lecture, Charlie Elliott Astronomy Club, May 2014
 Creator and organizer, Astronomy Workshops for Girl Scouts at Georgia State University, partnership with Girl Scouts of Greater Atlanta, 2012–present
 Faculty volunteer, Hard Labor Creek Observatory public observing nights, 2011–present
 Science Olympiad Middle School Regional Competition, faculty volunteer, 2011–2015

POPULAR MEDIA

Interviewed and quoted for Gizmodo, “Astronomers Looking for One Black Hole May Have Found an Entire Squad”, Feb 2021
 Live online interview for the Universe Unplugged show “Ask the Astronomers Live!”, Nov 2020
 Podcast interview for GSU College of Arts and Sciences, “Arts and Sciences Matters”, Mar 2020
 Interviewed and quoted for National Geographic, “Astronomers just got a deep peek at a black hole”, Jan 2020
 Interviewed and quoted for LiveScience, “Is This Invisible Magnetic Field Smothering Our Nearest Supermassive Black Hole?”, Jun 2019
 Live radio interview, tbs eFM 101.3 Seoul, “This Morning with Alex Jensen”, Apr 2019
 Interviewed and quoted for Mashable, “What’s actually going on in that cryptic black hole photo?”, Apr 2019
 Interviewed and quoted in multiple articles for Business Insider, Apr 2019:
 “The first ‘groundbreaking’ pictures of a black hole may be unveiled on Wednesday. Here’s what scientists think those will look like.”
 “The first-ever picture of a black hole is fuzzy. These incredible illustrations help explain what it shows.”
 “Scientists just released the first-ever photograph of a black hole. Some people think it looks like a ‘smudge on the lens.’ ”
 “‘Like looking at the gates of Hell’: Astronomers just revealed the first picture of a black hole, and it’s a monster.”
 Radio interview WABE-FM 90.1 Atlanta, “Valerie Jackson in Conversation”, Mar 2019
 Interviewed and quoted for Business Insider, “A ‘mind-boggling’ telescope observation has revealed the point of no return for our galaxy’s monster black hole”, Oct 2018
 Featured and quoted in a NASA Feature Post, “How to Weigh a Black Hole Using NASA’s Webb Space Telescope”, Oct 2018
 Interviewed and quoted for Popular Science, “Does a Black Hole Ever Die?”, May 2018
 Live interview with Chesley McNeil, NBC 11 Alive Meteorologist, OutASight Total Solar Eclipse Festival co-hosted by GSU Astronomy, Rabun Gap, GA, Aug 2017
 Interviewed and quoted for Georgia Magazine, “Seeing Stars”, July 2017

MISCELLANEOUS

102 refereed publications, cited > 7000 times to date, *h*-index = 45, *g*-index = 83
 24 first-author refereed publications, cited > 2500 times to date, *h*-index = 17, *g*-index = 22

23 refereed publications with > 100 citations each (8 as first author, 2 as second author)
Creator and curator for the *AGN Black Hole Mass Database*, which has had more than
13,000 visitors from 104 countries to date

Blog post describing “Phynd the Physicist” game written for Women in Astronomy Blog,
and republished on Times Higher Education

Inspired the parody article “Metallica’s James Hetfield Celebrates a PhD in Astrophysics”

Article describing my research chosen as #3 in the Top 10 GSU Website Stories, 2015

Private pilot license, single engine, visual flight rules, July 2010

Composed *Fantasy on Active Galaxies*, a three-part musical piece in four movements from
scientific data. As a member of the Orange County Flute Ensemble, co-organized
and performed in a multimedia concert at the UC Irvine Observatory in April 2010
that included the world premiere performance of *Fantasy on Active Galaxies*.
Fantasy on Active Galaxies was awarded first place in the astro(sound)bites
inaugural sonification contest in 2021.

Updated 1 July 2021