Stephen S. Eikenberry

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Professional Positions

2021-present	Professor of Applied Optics *University of Central Florida*
2021-present	Professor of Physics *University of Central Florida*
2021-present	Courtesy Professor of Astronomy *University of Florida*
2021-present	Courtesy Professor of Physics *University of Florida*
2003-2021	Professor of Astronomy *University of Florida*
2012-2021	Graduate Professor of Physics *University of Florida*
2017-2020	University of Florida Research Foundation Professor *University of Florida*
2016-2017	Visiting Professor of Astronomy *Universidade de São Paulo (Brazil)*
2010	Grupo Santander Distinguished Visiting Professor in Physics *Universidad Complutense de Madrid (Spain)*
2009-2012	University of Florida Research Foundation Professor *University of Florida*
2002-2003	Associate Professor of Astronomy (with tenure) *Cornell University*
1998-2002	Assistant Professor of Astronomy (tenure-track) *Cornell University*
1997-1998	Sherman H. Fairchild Postdoctoral Prize Fellow in Physics *California Institute of Technology*

Education

1997	Ph.D., Astronomy, Harvard University
1994	M.A., Astronomy, Harvard University
1990	S.B., Physics, Massachusetts Institute of Technology
1990	S.B., Literature, Massachusetts Institute of Technology

Honors/Awards

2020	Undergraduate Teacher of the Year, College of Liberal Arts & Sciences *University of Florida*
2016	Breakthrough Prize in Fundamental Physics *Co-winner as member of the LIGO Science Consortium*

Honors/Awards (continued)

2017-2020 2009-2012	University of Florida Research Foundation Professorship *University of Florida*
2016	Gruber Prize for Cosmology *Co-winner as member of the LIGO Science Consortium*
2016	UK Royal Astronomical Society Team Achievement Award *Co-winner as member of the LIGO Science Consortium*
2010	Grupo Santander Distinguished Visiting Professor in Physics *Universidad Complutense de Madrid (Spain)*
2008	Colonel Allan R. and Margaret G. Crow Term Professorship *University of Florida*
2000-2005	Faculty Early Career Development (CAREER) Award *National Science Foundation*
1997	Sherman H. Fairchild Postdoctoral Prize Fellowship in Physics *California Institute of Technology*
1997	Fireman Award for Graduate Student Research in Astrophysics *Harvard University*
1996	Derek Bok Award for Excellence in Science Teaching *Harvard University*
1994-1997	NASA Graduate Student Researchers Program Fellowship *Harvard University*

Research Interests

- Astrophotonics and applications in astrophysics, biomedical imaging, atmospheric LIDAR, space imaging, and space communications
- Gravitational wave physics and electromagnetic counterpart searches
- Microquasars and relativistic jet formation in black hole systems
- Physics and populations of accreting X-ray binaries in the Milky Way and external galaxies
- Pulsars, magnetars, and isolated neutron stars
- Astronomical instrumentation, particularly state-of-the-art optical/infrared instruments for large telescopes, high-speed photometry, and novel techniques for high spatial resolution

Current Major Research Efforts

- Development of PolyOculus technology for very low-cost high-throughput telescope systems for astrophysics, satellite communications, LIDAR, and other applications
- Development of quantum-inspired imaging technology for sub-diffraction angular resolution in space domain awareness (winning the 2022 AFRL Grand Challenge in Quantum Imaging), astrophysics, and hyperspectral microscopy

- Principal Investigator for MIRADAS - facility high-resolution multi-object infrared spectrograph for the Gran Telescopio Canarias 10.4-meter telescope. Leading the international MIRADAS consortium of more than 60 scientists, engineers, and technicians at 11 institutions in 3 countries defining and designing this $11M instrument, delivered in 2022 with commissioning ongoing.
- Development of imaging technology for multi-use applications in Adaptive Optics, Biomedical Imaging, and Space Imaging
- IFU lead and co-PI for FRIDA – the facility adaptive optics near-infrared imager and integral field spectrograph for the Gran Telescopio Canarias 10.4-m telescope (PI A. Watson – UNAM)

Other Astronomical Instrumentation Experience

- Principal Investigator for the Canarias InfraRed Camera Experiment (CIRCE) – a near-infrared imager for the 10.4-m Gran Telescopio Canarias funded by the University of Florida and National Science Foundation. CIRCE is intended to serve as a "training instrument" for graduate students and postdocs to gain experience in instrument design, integration, and commissioning. Commissioned in 2015.
- Principal Investigator for FLAMINGOS-2 – the facility wide-field near-infrared imager and multi-object spectrograph for the Gemini Observatory (2003-present). Leading the University of Florida instrumentation team for this $5M project, including 17 engineers, technicians, and scientists at UF, as well as staff at various subcontractors. Successful first light in 2009, accepted by Gemini in January 2010.
- Principal Investigator for the Wide-field InfraRed Camera (WIRC) on the Palomar 5-m telescope. WIRC provides a 8.7x8.7-arcmin FOV with 0.25-arcsec pixels on a HAWAII-2 science-grade detector array. Fully commissioned in September 2002, WIRC had the largest area*omega throughput of any infrared camera to-date, and successfully produced 0.5-arcsec images across the entire field of view on its "first light" observing run. WIRC is currently available as a general-user facility instrument and has often been the most-requested instrument for the Palomar 5-m telescope.
- Principal Investigator for the Florida Image Slicer for Infrared Cosmology & Astrophysics (FISICA) – an image slicing integral field unit for the FLAMINGOS spectrograph. Originally conceived as a technology testbed for a novel monolithic diamond-turning approach to image slicer manufacture, FISICA has been producing high-quality scientific observations on the KPNO 4-meter competitive with the world's leading infrared integral field units such as the GNIRS IFU on Gemini.
- Principal Investigator for the near-InfraRed Multi-Object Spectrograph (IRMOS) feasibility study for the Thirty Meter Telescope – a partnership between the University of Florida and HIA The design reference missions for IRMOS are studying the properties of high-redshift galaxies (z>8) and the detailed structure and evolution of galaxies at the epock of peak star formation (z~2-3). IRMOS successfully completed its Feasibility Study phase for TMT in late 2006, and has an estimated cost of ~$60M.
- Principal Investigator for the High-Resolution Near-InfraRed Spectrograph (HRNIRS), a facility instrument proposed for the Gemini Observatory. Led the consortium team (major partners University of Florida and NOAO, as well as HIA, U. Rochester, U. Texas) which won the March 2005 competitive Conceptual Design Review for this $29.8M instrument.
- Leader in the field of photon-counting infrared high-speed photometers based on Solid- State Photomultiplier (SSPM) technology. Member of the team that designed, built, and implemented the world's first such instrument in 1994. Principal Investigator for several high-speed infrared photometers and cameras for rapid photometry and imaging/ wavefront-sensing on several large telescopes, including the Palomar 5-m, MMT, and Keck 10-m telescopes

Service & Teaching

- Teaching astronomy and cross-listed astronomy/physics courses from introductory non-major classes to advanced graduate seminars at UCF, UF, and Cornell. Recent classes include OSE 3200 (Geometrical Optics), Astronomy 1002 (Introduction to Astronomy for non-science majors), Astronomy 2037 (Life in The Universe), Astronomy 6725 (Observational Techniques for Astronomy), and Astronomy 7939 (graduate course on neutron stars and black holes). Recently developed a 1-credit Honors Course at UF (IDH 3831 – The Extreme Cosmos). Named Undergraduate Teacher of the Year in 2020 for the UF College of Liberal Arts and Sciences. At Cornell, developed the new course Astronomy 234 (sophomore level introduction to data analysis). At Cornell, nominated by department in 2002 for university-wide teaching award.
- Developed and taught an intensive multi-week optics and optical design course at the International School for Advanced Instrumentation (IScAI) in Spain from 2008-2012.
- Member of the CREOL Promotion and Tenure Committee (2021-); CREOL Colloquium Chair (Spring 2022); UCF graduate program review committee member (2022-present); Florida Space Institute Director search committee member (2022)
- Member of Astronomy Department graduate admissions committee (Cornell 1998- 1999, 2002; UF 2003-2010, 2013-2016, 2019-2020); time allocation committee (Cornell 1998-2000; UF 2005-2012); international committee (UF 2003-2012); instrumentation oversight committee (UF 2003-2021); faculty search committees (UCF committee chair 2023; UF 2003, 2004, 2005, 2018-2020; committee chair 2004); Astronomy Department colloquium chairman (Cornell 1999-2000)
- Member of the Scientific Oversight Committee for the Institut de Estudis Espatials de Catalunya (IEEC-Spain) (2012-2015); Chair of the Committee (2018-2022)
- Member of the LIGO Science Consortium working group on electromagnetic followup (2011-2022); Member of the LIGO Council (2019-2020)
- Chair of the Future Instrumentation Working Group for the Gran Telescopio Canarias (2007-2008)
- Member of faculty search committees for Mechanical & Aerospace Engineering (Cornell, 2001-2002) and Physics (UF 2004-2005, 2007)
- Member of the UF CLAS Research Committee (2006-2010)
- Member of the UF CLAS Curriculum Committee (2013-2015)
- Member of the Science Organizing Committee for SPIE Astronomical Instrumentation – the world's largest conference in this field, held every two years. (Orlando 2006, Marseilles 2008, San Diego 2010, Amsterdam 2012, Montreal 2014).
- Member of the Visiting Committee for the Instituto Astrofisica de Canarias – the largest astronomy research institute in Spain (2006)
- Member of NASA's Independent Review Team for the Stratospheric Observatory for Infrared Astronomy (SOFIA) (2004-2006)
- Invited panelist for the NSF/DRG joint panel on US/German ventures in photonic technology for astrophysics applications (2007)
- Member of the NSF's Giant Segmented Mirror Telescope Science Working Group (2007)
- Invited panelist for the NSF Adaptive Optics Roadmap Working Group (2007)

- Supervisor of the Hewitt Laboratory for Computation and Visualization in Astronomy at Cornell (1999-2002). Led a team designing and implementing a lab containing 16 state-of-the-art Linux and Windows workstations, as well as scanning and printing facilities for undergraduate students working in the Space Sciences building. The Hewitt Lab served as the classroom for Astronomy 234.

Graduate Students Supervised

Thesis supervisor for Dae-Sik Moon (PhD in Astronomy, 2003, Cornell University).
Thesis titled "Instrument Development for High-Speed Infrared and Optical Photometry and Observational Studies of Pulsars". Dae-Sik held the Millikan Postdoctoral Prize Fellow in Physics at the California Institute of Technology, and is currently a tenured Professor of Astronomy at the University of Toronto.

Thesis supervisor for Joseph Carson (PhD in Astronomy, 2004, Cornell University).
Thesis titled "The Cornell High-order Adaptive Optics Survey for Brown Dwarf Companions and Related Instrumentation Studies for Brown Dwarf Research". Joe is currently a tenured Associate Professor at the College of Charleston.

Co-supervisor (with E. Kan) for Jami Meteer (PhD in Electrical Engineering, 2004, Cornell University).
Thesis titled "Quantum Well Electron Gain Structures for Improved Infrared Detector Read Noise Performance". Jami is currently an engineer with Intel.

Co-supervisor (with R. Lovelace) for David Rothstein (PhD in Astronomy 2006, Cornell University).
Thesis titled "Relativistic Jets in Microquasars: Theory and Observation". Dave was an NSF Astronomy & Astrophysics Postdoctoral Fellow and is now an educational software developer.

Thesis Supervisor for David Clark (PhD in Astronomy 2007, University of Florida). Thesis titled "Multiwavelength Studies of X-ray Sources in External Galaxies". Dave was until recently a tenure-track astronomer at the Instituto de Astronomia in the Universidad Nacional Autonoma de Mexico, and now works in data science in Silicon Valley.

Thesis co-Supervisor (with R. Bandyopadhyay) for Michelle Edwards (PhD in Astronomy 2008, University of Florida). Thesis titled "Emission-line Surveys for the Massive Stellar Environments of Magnetars and Associated Infrared Instrumentation". Michelle was a Gemini Science Fellow at Gemini South in Chile, and is currently Deputy Director of the National Optical/Infrared Astronomy Laboratory (NOIRLab).

Thesis Supervisor for Valerie Mikles (PhD in Astronomy 2008, University of Florida). Thesis titled "Multiwavelength Studies of Relativistic Jet Formation in Microquasars and Searches for New Systems". Valerie was a postdoctoral fellow in physics at Louisiana State University, and is currently a data analyst for a US Government agency.

Thesis Supervisor for Miguel Charcos (PhD in Astronomy 2009, University of Florida). Thesis titled "Spectropolarimetry of Relativistic Jets from X-ray Binaries". Miguel was a postdoctoral fellow with the NASA Stratospheric Observatory for Infrared Astronomy in Mountain View, CA and moved in 2015 to a staff position in the UK Oceanographic Institute.

Thesis co-Supervisor (with R. Bandyopadhyay) for Curtis Dewitt (PhD in Astronomy 2011, University of Florida). Thesis titled "The FLAMINGOS-2 Galactic Center Survey". Curtis is currently a staff scientist with the NASA Stratospheric Observatory for Infrared Astronomy in Mountain View, CA.

Thesis supervisor for Mark Keremedjiev (PhD in Astronomy 2011, University of Florida). Thesis titled "Stabilized Speckle Techniques for Diffraction-Limited Spectroscopy and Studies of Super-Massive Black Holes". Mark is currently a program manager at Planet, Inc.

Thesis supervisor for Nestor Lasso (PhD in Astronomy 2012, University of Florida). Thesis titled "High-Speed Infrared Photometry and Relativistic Jet Formation in Microquasars". Nestor was a postdoctoral fellow at the Javalambre Astrophysical Observatory (Teruel, Spain), and is currently a data scientist with GE.

Thesis supervisor for Deno Stelter (PhD in Astronomy, 2017, University of Florida). Thesis titled "Image Slicer Technology, Infrared Instrumentation, and Extinction in the Galactic Center". Deno is currently a staff scientist at UC Santa Cruz.

Thesis co-supervisor (with S. Klimenko) for Kendall Ackley (PhD in Physics, 2017, University of Florida). Thesis titled "Electromagnetic Followup of Gravitational Wave Transients in the Advanced LIGO Era". Kendall is currently a postdoctoral scientist at Warwick University (UK).

Thesis supervisor for Alan Garner (PhD in Astronomy, 2018, University of Florida). Thesis titled "The Canarias InfraRed Camera Experiment and Infrared Identification of X-ray Binaries in the Galactic Center". Alan is currently a postdoctoral scientist at MIT.

Thesis supervisor for Amanda Townsend (PhD in Astronomy, 2019, University of Florida). Thesis titled "Photonic Lightbuckets and Precision Radial Velocity Mass Determinations in X-ray Binaries". Amanda is currently a staff astronomer with the Apache Point Observatory.

Thesis supervisor for Yigit Dallilar (PhD in Astronomy, 2019, University of Florida). Thesis titled "Infrared Instrumentation and Relativistic Jet Formation in Microquasars". Yigit is currently a research scientist at University of Cologne (Germany).

Thesis supervisor for Amy Gottlieb (PhD in Astronomy, 2021, University of Florida). Thesis titled "Infrared Spectroscopy of X-ray Binaries in the Galactic Center". Amy is currently a postdoctoral fellow with the University of Maryland at Goddard Space Flight Center.

Thesis supervisor for Sarik Jeram (PhD in Astronomy, 2022, University of Florida). Thesis titled "Cosmic Redshift Drift and MIRADAS". Sarik is currently the Dunlap Postdoctoral Prize Fellow at the University of Toronto.

Thesis supervisor for Gustavo Perez Sanchez (PhD in Physics, 2022, University of Florida). Thesis titled "Relativistic Electron Populations in Black Hole Jets".

Thesis supervisor for Christina Moraitis (PhD in Physics, expected 2025, University of Central Florida). Thesis titled "M-Dwarfs Flares with the Original PolyOculus Array".

Thesis supervisor for Genevieve Markees (PhD in Physics, expected 2025, University of Central Florida). Thesis titled "Improving Extreme Precision Radial Velocity Observations of Exoplanets".

Thesis supervisor for Swati Bhargava (PhD in Optics & Photonics, expected 2025, University of Central Florida). Thesis titled "High-resolution Hyperspectral Microscopy".

Thesis supervisor for Ameer Batarseh (PhD in Optics & Photonics, expected 2025, University of Central Florida). Thesis titled "Machine Learning in High-resolution Hyperspectral Microscopy".
Thesis supervisor for Tara Crowe (PhD in Optics & Photonics, expected 2026, University of Central Florida). Thesis titled "Quantum-Inspired Imaging for Astrophysics and Space Domain Awareness".

Publications

Articles in Refereed Journals

2022 “Model-based Cross-correlation Search for Gravitational Waves from the Low-mass X-Ray Binary Scorpius X-1 in LIGO O3 Data”, Abbott, R., et al. **(incl. SSE**), ApJL, 941, L30

2022 “All-sky search for continuous gravitational waves from isolated neutron stars using Advanced LIGO and Advanced Virgo O3 data”, Abbott, R., et al. **(incl. SSE**), Phys Rev D, 106, 102008

2022 “Search for gravitational waves from Scorpius X-1 with a hidden Markov model in O3 LIGO data”, Abbott, R., et al. **(incl. SSE**), Phys Rev D, 106, 062002

2022 “Search for Subsolar-Mass Binaries in the First Half of Advanced LIGO's and Advanced Virgo's Third Observing Run”, Abbott, R., et al. **(incl. SSE**), Phys Rev Lett, 129, 061104

2022 “Search for continuous gravitational wave emission from the Milky Way center in O3 LIGO-Virgo data”, Abbott, R., et al. **(incl. SSE**), Phys Rev D, 106, 042003

2022 “Forecasting cosmic acceleration measurements using the Lyman-α forest”, Dong, Chenxing , Gonzalez, Anthony , **Eikenberry, Stephen** , †**Jeram, Sarik** , † **Likamonsavad, Manunya** ; Liske, Jochen , †**Stelter, Deno** , †**Townsend, Amanda**, MNRAS, 514, 5493

2022 “Searches for Gravitational Waves from Known Pulsars at Two Harmonics in the Second and Third LIGO-Virgo Observing Runs”, Abbott, R., et al. **(incl. SSE**), ApJ, 935, 1

2022 “All-sky, all-frequency directional search for persistent gravitational waves from Advanced LIGO's and Advanced Virgo's first three observing runs”, Abbott, R., et al. **(incl. SSE**), Phys Rev D, 105, 122001

2022 “First joint observation by the underground gravitational-wave detector KAGRA with GEO 600”, Abbott, R., et al. **(incl. SSE**), PETP, 2022, 063F01

2022 “Narrowband Searches for Continuous and Long-duration Transient Gravitational Waves from Known Pulsars in the LIGO-Virgo Third Observing Run”, Abbott, R., et al. **(incl. SSE**), ApJ, 932, 133

2022 “All-sky search for gravitational wave emission from scalar boson clouds around spinning black holes in LIGO O3 data”, Abbott, R., et al. **(incl. SSE**), Phys Rev D, 105, 102001

2022 “Search of the early O3 LIGO data for continuous gravitational waves from the Cassiopeia A and Vela Jr. supernova remnants”, Abbott, R., et al. **(incl. SSE**), Phys Rev D, 105, 082005

2022 “Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGO-Virgo Run O3b”, Abbott, R., et al. **(incl. SSE**), ApJ, 928, 186

2022 “Constraints on dark photon dark matter using data from LIGO's and Virgo's third observing run”, Abbott, R., et al. **(incl. SSE**), Phys Rev D, 105, 063030

2022 “Low-cost Access to the Deep, High-cadence Sky: the Argus Optical Array”, Law, Nicholas M. ; Corbett, Hank ; Galliher, Nathan W. , Gonzalez, Ramses ; Vasquez, Alan ; Walters, Glenn ; Machia, Lawrence ; Ratzloff, Jeff ; Ackley, Kendall ; Bizon, Chris ; Clemens, Christopher ; Cox, Steven ; **Eikenberry, Steven** ; Howard, Ward S. ; Glazier, Amy ; Mann, Andrew W. , Quimby, Robert ; Reichart, Daniel ; Trilling, David, PASP, 134, 035003

† Indicates graduate student supervised by SSE

2022 “Search for intermediate-mass black hole binaries in the third observing run of Advanced LIGO and Advanced Virgo”, Abbott, R., et al. **(incl. SSE**), A&A, 659, A84

2022 “Search for continuous gravitational waves from 20 accreting millisecond x-ray pulsars in O3 LIGO data”, Abbott, R., et al. **(incl. SSE**), Phys Rev D, 105, 022002

2021 “All-sky search for short gravitational-wave bursts in the third Advanced LIGO and Advanced Virgo run”, Abbott, R., et al. **(incl. SSE**), Phys Rev D, 104, 122004

2021 “Search for Lensing Signatures in the Gravitational-Wave Observations from the First Half of LIGO-Virgo's Third Observing Run”, Abbott, R., et al. **(incl. SSE**), ApJ, 923, 14

2021 “All-sky search for long-duration gravitational-wave bursts in the third Advanced LIGO and Advanced Virgo run”, Abbott, R., et al. **(incl. SSE**), Phys Rev D, 104, 102001

2021 “On the discovery of stars, quasars, and galaxies in the Southern Hemisphere with S-PLUS DR2”, Nakazono, L. , Mendes de Oliveira, C. ; Hirata, N. S. T. ; Jeram, S. ; Queiroz, C. , **Eikenberry, Stephen S**. ; Gonzalez, A. H. , Abramo, R. ; Overzier, R. ; Espadoto, M. ; Martinazzo, A. ; Sampedro, L. ; Herpich, F. R. , Almeida-Fernandes, F. , Werle, A. , Barbosa, C. E. , Sodré, L., Jr. , Lima, E. V. ; Buzzo, M. L. ; Cortesi, A., MNRAS, 507, 5847

2021 “Constraints from LIGO O3 Data on Gravitational-wave Emission Due to R-modes in the Glitching Pulsar PSR J0537-6910”, Abbott, R., et al. **(incl. SSE**), ApJ, 922, 71

2021 “Searches for Continuous Gravitational Waves from Young Supernova Remnants in the Early Third Observing Run of Advanced LIGO and Virgo”, Abbott, R., et al. **(incl. SSE**), ApJ, 921, 80

2021 “All-sky search for continuous gravitational waves from isolated neutron stars in the early O3 LIGO data”, Abbott, R., et al. **(incl. SSE**), Phys Rev D, 104, 082004

2021 “NuSTAR reveals the hidden nature of SS433”, Middleton, M. J. ; Walton, D. J. , Alston, W. , Dauser, T. , **Eikenberry, S.** ; Jiang, Y. -F. ; Fabian, A. C. , Fuerst, F. ; Brightman, M. ; Marshall, H. ; Parker, M. , Pinto, C. , Harrison, F. A. ; Bachetti, M. , Altamirano, D. ; Bird, A. J. , Perez, G. ; Miller-Jones, J. , Charles, P. ; Boggs, S. ; Christensen, F. ; Craig, W. ; Forster, K. ; Grefenstette, B. ; Hailey, C. ; Madsen, K. ; Stern, D. ; Zhang, W., MNRAS, 506, 1045

2021 “Search for anisotropic gravitational-wave backgrounds using data from Advanced LIGO and Advanced Virgo's first three observing runs”, Abbott, R., et al. **(incl. SSE**), Phys Rev D, 104, 022005

2021 “Upper limits on the isotropic gravitational-wave background from Advanced LIGO and Advanced Virgo's third observing run”, Abbott, R., et al. **(incl. SSE**), Phys Rev D, 104, 022004

2021 “Demonstration of high-efficiency photonic lantern couplers for PolyOculus”, **†Moraitis, Christina D.** ; Alvarado-Zacarias, Juan Carlos ; Amezcua-Correa, Rodrigo ; **†Jeram, Sarik ; Eikenberry, Stephen S.,** Appl. Opt., 60, D93

2021 “Observation of Gravitational Waves from Two Neutron Star-Black Hole Coalescences”, Abbott, R., et al. **(incl. SSE**), ApJL, 915, L5

2021 “Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGO-Virgo Run O3a”, Abbott, R., et al. **(incl. SSE**), ApJ, 915, 86

† Indicates graduate student supervised by SSE

2021 “Constraints on Cosmic Strings Using Data from the Third Advanced LIGO-Virgo Observing Run”, Abbott, R., et al. **(incl. SSE**), Phys Rev Lett, 126, 241102

2021 “Tests of general relativity with binary black holes from the second LIGO-Virgo gravitational-wave transient catalog”, Abbott, R., et al. **(incl. SSE**), Phys Rev D, 103, 122002

2021 “Diving below the Spin-down Limit: Constraints on Gravitational Waves from the Energetic Young Pulsar PSR J0537-6910”, Abbott, R., et al. **(incl. SSE**), ApJL, 913, L27

2021 “Population Properties of Compact Objects from the Second LIGO-Virgo Gravitational-Wave Transient Catalog”, Abbott, R., et al. **(incl. SSE**), ApJL, 913, L7

2021 “GWTC-2: Compact Binary Coalescences Observed by LIGO and Virgo during the First Half of the Third Observing Run”, Abbott, R., et al. **(incl. SSE**), Phys Rev X, 11, 021053

2021 “Extinction at the Galactic Center Using Near- and Mid-infrared Broadband Photometry: A Twist on the Rayleigh-Jeans Color Excess Method”, †**Stelter, R.D**. & **Eikenberry, S.S**., ApJ, 911, 139

2021 “All-sky search in early O3 LIGO data for continuous gravitational-wave signals from unknown neutron stars in binary systems”, Abbott, R., et al. **(incl. SSE**), Phys Rev D, 103, 064017

2021 “A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo”, Abbott, B.P., et al. **(incl. SSE**), ApJ, 909, 218

2021 “Open data from the first and second observing runs of Advanced LIGO and Advanced Virgo”, Abbott, R., et al. **(incl. SSE**), SoftwareX, 13, 100658

2020 “Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars”, Abbott, R., et al. **(incl. SSE**), ApJL, 902, L21

2020 “GW190521: A Binary Black Hole Merger with a Total Mass of 150 M⊙*”,* Abbott, R., et al. **(incl. SSE**), Phys Rev Let, 125, 101102

2020 “Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA”, Abbott, B.P., et al. **(incl. SSE**), Living Reviews in Relativity, 23, 3

2020 “Properties and Astrophysical Implications of the 150 M⊙ Binary Black Hole Merger GW190521”, Abbott, R., et al. **(incl. SSE**), ApJL, 900, L13

2020 “GW190412: Observation of a binary-black-hole coalescence with asymmetric masses”, Abbott, R., et al. **(incl. SSE**), Phys Rev D, 102, 043015

2020 “An Extremely Bright QSO at z = 2.89”, †**Jeram, Sarik** , Gonzalez, Anthony , **Eikenberry, Stephen** ; Stern, Daniel , Mendes de Oliveira, Claudia Lucia ; Izuti Nakazono, Lilianne Mariko ; Ackley, Kendall, ApJ, 899, 76

2020 “GW190814: Gravitational Waves from the Coalescence of a 23 Solar Mass Black Hole with a 2.6 Solar Mass Compact Object”, ”, Abbott, B.~P., et al. **(incl. SSE**), ApJL, Vol. 896, L44

2020 “A Rapidly Varying Red Supergiant X-Ray Binary in the Galactic Center”, †**Gottlieb, Amy M.; Eikenberry, Stephen S**.; Ackley, Kendall; DeWitt, Curtis; Marco, Amparo, ApJ, 896, 32

2020 “A Joint Fermi-GBM and LIGO/Virgo Analysis of Compact Binary Mergers from the First and Second Gravitational-wave Observing Runs”. Hamburg, R. et al. **(incl. SSE**), ApJ, Vol. 893, 100

† Indicates graduate student supervised by SSE

2020 “A guide to LIGO-Virgo detector noise and extraction of transient gravitational-wave signals”, Abbott, B.P., et al. **(incl. SSE**), CQGra, Vol. 37, 055002

2020 “GW190425: Observation of a Compact Binary Coalescence with Total Mass ~3.4 M_0”, Abbott, B.~P., ., et al. **(incl. SSE**), ApJL, Vol. 892, L3

2020 “Model comparison from LIGO–Virgo data on GW170817's binary components and consequences for the merger remnant”, Abbott, B.P., et al. (**incl. SSE**), CQGra, Vol. 37, 045006

2019 “Search for gravitational waves from Scorpius X-1 in the second Advanced LIGO observing run with an improved hidden Markov model”, Abbott, B.P., et al. (incl. **SSE**), PhRvD, Vol. 100, 122002

2019 “Tests of general relativity with the binary black hole signals from the LIGO-Virgo catalog GWTC-1”, Abbott, B.P., et al. (**incl. SSE**), PhRvD, Vol. 100, 104036

2019 “Automated Transient Detection with Shapelet Analysis in Image-subtracted Data”, †**Ackley, K**., **Eikenberry, S.~S.,** Yildirim, C., Klimenko, S., †**Garner, A**., AJ, Vol. 158, 172

2019 “Search for Subsolar Mass Ultracompact Binaries in Advanced LIGO's Second Observing Run”, Abbott, B.~P., et al. (incl. **SSE**), PhRvL, Vol. 123, 161102

2019 “The afterglow and kilonova of the short GRB 160821B”, Troja, E., Castro-Tirado, A.~J., Becerra Gonz{\'a}lez, J., Hu, Y., Ryan, G.~S., Cenko, S.~B., Ricci, R., Novara, G., S{\'a}nchez-R{\'a}mirez, R., Acosta-Pulido, J.~A., †**Ackley, K.~D**., Caballero Garc{\'\i}a, M.~D., **Eikenberry, S.~S**., Guziy, S., Jeong, S., Lien, A.~Y., M{\'a}rquez, I., Pandey, S.~B., Park, I.~H., Sakamoto, T., Tello, J.~C., Sokolov, I.~V., Sokolov, V.~V., Tiengo, A., Valeev, A.~F., Zhang, B.~B., Veilleux, S., MNRAS, Vol. 489, 2104-2116

2019 “The Southern Photometric Local Universe Survey (S-PLUS): improved SEDs, morphologies, and redshifts with 12 optical filters”, Mendes de Oliveira, C., ., et al. (incl. **SSE**), MNRAS, Vol. 489, 241-267

2019 “Search for Eccentric Binary Black Hole Mergers with Advanced LIGO and Advanced Virgo during Their First and Second Observing Runs”, Abbott, B.~P., et al. (incl. **SSE**), ApJ, Vol. 883, 149

2019 “Directional limits on persistent gravitational waves using data from Advanced LIGO's first two observing runs”, Abbott, B.~P., et al. (incl. **SSE**), PhRvD, Vol. 100, 062001

2019 “Search for the isotropic stochastic background using data from Advanced LIGO's second observing run”, Abbott, B.~P., et al. (incl. **SSE**), ApJL, Vol. 882, L24

2019 “Pulsating in Unison at Optical and X-Ray Energies: Simultaneous High Time Resolution Observations of the Transitional Millisecond Pulsar PSR J1023+0038”, Papitto, A., Ambrosino, F., Stella, L., Torres, D., Coti Zelati, F., Ghedina, A., Meddi, F., Sanna, A., Casella, P., †**Dallilar, Y**., **Eikenberry, S**., Israel, G.~L., Onori, F., Piranomonte, S., Bozzo, E., Burderi, L., Campana, S., de Martino, D., Di Salvo, T., Ferrigno, C., Rea, N., Riggio, A., Serrano, S., Veledina, A., Zampieri, L., ApJ, Vol. 882, 104

2019 “GWTC-1: A Gravitational-Wave Transient Catalog of Compact Binary Mergers Observed by LIGO and Virgo during the First and Second Observing Runs”, Abbott, B.~P., et al. (incl. **SSE**), PhRvD, Vol. 100, 024017

2019 “All-sky search for continuous gravitational waves from isolated neutron stars using Advanced LIGO O2 data”, Abbott, B.~P., et al. (incl. **SSE**), ApJ, Vol. 879, 10

† Indicates graduate student supervised by SSE

2019 “Narrow-band search for gravitational waves from known pulsars using the second LIGO observing run”, Abbott, B.~P., et al. (incl. **SSE**), PhRvD, Vol. 99, 104033

2019 “First Measurement of the Hubble Constant from a Dark Standard Siren using the Dark Energy Survey Galaxies and the LIGO/Virgo Binary-Black-hole Merger GW170814”, Soares-Santos, M., et al. (incl. **SSE**), ApJL, Vol. 876, L7

2019 “Radio frequency timing analysis of the compact jet in the black hole X-ray binary Cygnus X-1”, Tetarenko, A. J.; Casella, P.; Miller-Jones, J. C. A.; Sivakoff, G. R.; Tetarenko, B. E.; Maccarone, T. J.; Gandhi, P.; **Eikenberry, S**., MNRAS, 484, 2987

2019 “Search for Transient Gravitational-wave Signals Associated with Magnetar Bursts during Advanced LIGO’s Second Observing Run”, Abbott, B.P. et al. **(incl. SSE**), ApJ, 874, 163

2019 “Constraining the p -Mode-g -Mode Tidal Instability with GW170817”, Abbott, B.P. et al. **(incl. SSE),** Phys Rev Let, 122f, 1104

2019 “The corona contracts in a black-hole transient”, Kara, E.; Steiner, J. F.; Fabian, A. C.; Cackett, E. M.; Uttley, P.; Remillard, R. A.; Gendreau, K. C.; Arzoumanian, Z.; Altamirano, D.; **Eikenberry, S.;** Enoto, T.; Homan, J.; Neilsen, J.; Stevens, A. L., Nature, 565, 198

2019 “A Fermi Gamma-Ray Burst Monitor Search for Electromagnetic Signals Coincident with Gravitational-wave Candidates in Advanced LIGO's First Observing Run”, Burns, E. et al. (**incl. SSE**), ApJ, 871, 90

2019 “Search for Multimessenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during Its First Observing Run, ANTARES, and IceCube”, Albert, A. et al. (**incl. SSE**), ApJ, 870, 134

2018 “Search for Subsolar-Mass Ultracompact Binaries in Advanced LIGO's First Observing Run”, Abbott, B.P. et al. **(incl. SSE),** Phys Rev Let, 121w, 1103

2018 “GW170817: Measurements of Neutron Star Radii and Equation of State”, Abbott, B.P. et al. **(incl. SSE),** Phys Rev Let, 121p, 1101

2018 “Evidence for hot clumpy accretion flow in the transitional millisecond pulsar PSR J1023+0038”, Shahbaz, T.; **Dallilar, Y. †; Garner, A. †; Eikenberry, S**.; Veledina, A.; Gandhi, P., MNRAS, 477, 566

2018 “A Persistent Disk Wind in GRS 1915+105 with NICER”, Neilsen, J.; Cackett, E.; Remillard, R. A.; Homan, J.; Steiner, J. F.; Gendreau, K.; Arzoumanian, Z.; Prigozhin, G.; LaMarr, B.; Doty, J.; **Eikenberry, S**.; Tombesi, F.; Ludlam, R.; Kara, E.; Altamirano, D.; Fabian, A. C., ApJL, 860, L19

2018 “Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background”, Abbott, B.P. et al. **(incl. SSE),** Phys Rev Let, 120t, 1102

2018 “Full band all-sky search for periodic gravitational waves in the O1 LIGO data”, Abbott, B.P. et al. **(incl. SSE),** Phys RevD, 97, 2003

2018 “Constraints on cosmic strings using data from the first Advanced LIGO observing run”, Abbott, B.P. et al. **(incl. SSE),** Phys RevD, 97, 2002

2018 “Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA”, Abbott, B.P. et al. **(incl. SSE),** LRR, 21, 3

2018 “GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences”, Abbott, B.P. et al. **(incl. SSE),** Phys Rev Let, 120i, 1101

2018 “Effects of data quality vetoes on a search for compact binary coalescences in Advanced LIGO’s first observing run”,, Abbott, B.P, et al. **(incl. SSE**), CQGra, 35, 5010

† Indicates graduate student supervised by SSE

2018 “All-sky search for long-duration gravitational wave transients in the first Advanced LIGO observing run”,, Abbott, B.P, et al. (**incl. SSE**), CQGra, 35, 5009

2018 “First Search for Nontensorial Gravitational Waves from Known Pulsars”, Abbott, B.P, et al. (**incl. SSE**), NewAR, 79, 26

2018 “CIRCE: The Canarias InfraRed Camera Experiment for the Gran Telescopio Canarias”, **Eikenberry, Stephen S.; Charcos, Miguel†; Edwards, Michelle L. †; Garner, Alan†; Lasso-Cabrera, Nestor†; Stelter, Richard D.; † Marin-Franch, Antonio‡**; Raines, S. Nicholas; **Ackley, Kendall†**; Bennett, John G.; Cenarro, Javier A.; Chinn, Brian‡; Donoso, H. Veronica; Frommeyer, Raymond; Hanna, Kevin; Herlevich, Michael D.; Julian, Jeff; Miller, Paola; Mullin, Scott; Murphey, Charles H.; Packham, Chris; Varosi, Frank; Vega, Claudia; Warner, Craig; Ramaprakash, A. N.; Burse, Mahesh; Punnadi, Sunjit; Chordia, Pravin; Gerarts, Andreas; Martín, Héctor De Paz; Calero, María Martín; Scarpa, Riccardo; Acosta, Sergio Fernandez; Sánchez, William Miguel Hernández; Siegel, Benjamin; Pérez, Francisco Francisco; Martín, Himar D. Viera; Losada, José A. Rodríguez; Nuñez, Agustín; Tejero, Álvaro; González, Carlos E. Martín; Rodríguez, César Cabrera; Sendra, Jordi Molgó; Rodriguez, J. Esteban; Cáceres, J. Israel Fernádez; García, Luis A. Rodríguez; Lopez, Manuel Huertas; Dominguez, Raul; Gaggstatter, Tim; Lavers, Antonio Cabrera; Geier, Stefan; Pessev, Peter; Sarajedini, Ata; Castro-Tirado, A. J., JAI, 75, 2

2017 “A precise measurement of the magnetic field in the corona of the black hole binary V404 Cygni”, **Dallilar, Yigit†; Eikenberry, Stephen S.; Garner, Alan†; Stelter, Richard D. †; Gottlieb, Amy†;** Gandhi, Poshak; Casella, Piergiorgio; Dhillon, Vik S.; Marsh, Tom R.; Littlefair, Stuart P.; Hardy, Liam; Fender, Rob; Mooley, Kunal; Walton, Dominic J.; Fuerst, Felix; Bachetti, Matteo; Castro-Tirado, A. J**.; Charcos, Miguel†; Edwards, Michelle L.†; Lasso-Cabrera, Nestor M. †; Marin-Franch, Antonio‡**; Raines, S. Nicholas; **Ackley, Kendall†;** Bennett, John G.; Cenarro, A. Javier; Chinn, Brian‡; Donoso, H. Veronica; Frommeyer, Raymond; Hanna, Kevin; Herlevich, Michael D.; Julian, Jeff; Miller, Paola; Mullin, Scott; Murphey, Charles H.; Packham, Chris; Varosi, Frank; Vega, Claudia; Warner, Craig; Ramaprakash, A. N.; Burse, Mahesh; Punnadi, Sujit; Chordia, Pravin; Gerarts, Andreas; de Paz Martín, Héctor; Calero, María Martín; Scarpa, Riccardo; Acosta, Sergio Fernandez; Hernández Sánchez, William Miguel; Siegel, Benjamin; Pérez, Francisco Francisco; Viera Martín, Himar D.; Rodríguez Losada, José A.; Nuñez, Agustín; Tejero, Álvaro; Martín González, Carlos E.; Rodríguez, César Cabrera; Molgó, Jordi; Rodriguez, J. Esteban; Cáceres, J. Israel Fernández; Rodríguez García, Luis A.; Lopez, Manuel Huertas; Dominguez, Raul; Gaggstatter, Tim; Lavers, Antonio Cabrera; Geier, Stefan; Pessev, Peter; Sarajedini, Ata, Science, 358 1299

2017 "First low-frequency Einstein@Home all-sky search for continuous gravitational waves in Advanced LIGO data”, Abbott, B.P, et al. **(incl. SSE**), PhRvD, 96, 2006A

2017 "GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence”, Abbott, B.P, et al. (**incl. SSE**), ApJL, 851, L35

2017 "Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817”, Abbott, B.P, et al. (**incl. SSE**), ApJL, 851, L16

2017 "Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817”, Abbott, B.P, et al. (**incl. SSE**), ApJL, 851, L16

2017 "On the Progenitor of Binary Neutron Star Merger GW170817”, Abbott, B.P, et al. (**incl. SSE**), ApJL, 850, L40

2017 "Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817”, Abbott, B.P, et al. (**incl. SSE**), ApJL, 850, L39

2017 "Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory" Albert, A., et al. (**incl. SSE**), ApJL, 850, L35

† Indicates graduate student supervised by SSE
‡ Indicates postdoctoral fellow supervised by SSE

2017 “Paving the way to simultaneous multi-wavelength astronomy”, Middleton, M. et al., (**incl. SSE**), Nature, 551, 85

2017 "A gravitational-wave standard siren measurement of the Hubble constant”, Abbott, B.P, et al. (**incl. SSE**), Nature, 551, 85

2017 “Coordinated Micro-Variability CIRCE Polarimetry and SARA JKT Multi-Frequency Photometry Observations of the Blazar S5 0716+71”, Webb, James; **Eikenberry, Stephen; Dalliar, Yigit†;** Meng, Nankun; Laurence, Douglas, Galaxies, 5, 77

2017 "GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence”, Abbott, B.P, et al. (**incl. SSE**), PhRvL, 119, 1101A

2017 "Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A”, Abbott, B.P, et al. **(incl. SSE**), ApJL 848, L13

2017 "Multi-messenger Observations of a Binary Neutron Star Merger”, Abbott, B.P, et al. (**incl. SSE**), ApJL 848, L12

2017 "All-sky search for periodic gravitational waves in the O1 LIGO data”, Abbott, B.P, et al. (**incl. K. Ackley†, SSE)**, PhRvD..96f2002A

2017 "Upper Limits on Gravitational Waves from Scorpius X-1 from a Model-based Cross-correlation Search in Advanced LIGO Data". Abbott, B.P., et al. (**incl. K. Ackley†, SSE**), ApJ, 847, 47

2017 "Search for high-energy neutrinos from gravitational wave event GW151226 and candidate LVT151012 with ANTARES and IceCube" Albert, A., et al. (**incl. K. Ackley†, SSE**), PhRvD..96b2005A

2017 "Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO" Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), PhRvD..96b2001A

2017 "GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2", Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), PhRvL, 118v, 1101

2017 "Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B", Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), ApJ, 841, 89

2017 "Effects of waveform model systematics on the interpretation of GW150914", Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), CQGra, 34j, 4002A

2017 "Search for continuous gravitational waves from neutron stars in globular cluster NGC 6544", Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), PhRvD, 95h, 2005

2017 "First Search for Gravitational Waves from Known Pulsars with Advanced LIGO", Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), ApJ, 839, 12

2017 "Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run", Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), PhRvL, 118, 1102

2017 "Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run", Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), PhRvL, 118, 1101

2017 "Calibration of the Advanced LIGO detectors for the discovery of the binary black-hole merger GW150914", Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), PhRvD, 95f, 2003A

2017 "All-sky search for short gravitational-wave bursts in the first Advanced LIGO run", Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), PhRvD, 95d, 2003A

2017 "Exploring the sensitivity of next generation gravitational wave detectors", Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), CQGra, 34, 4001A

† Indicates graduate student supervised by SSE
‡ Indicates postdoctoral fellow supervised by SSE

2016 "Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo" Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), LRR, 19, 1

2016 "The Rate of Binary Black Hole Mergers Inferred from Advanced LIGO Observations Surrounding GW150914" Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), ApJ Letters, 833, 1

2016 "Supplement: "The Rate of Binary Black Hole Mergers Inferred from Advanced LIGO Observations Surrounding GW150914" Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), ApS, 227, 14

2016 "Upper Limits on the Rates of Binary Neutron Star and Neutron Star-Black Hole Mergers from Advanced LIGO's First Observing Run", Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), ApJ Letters, 832, 21

2016 "Binary Black Hole Mergers in the First Advanced LIGO Observing Run" Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), PhRvX, 6, 041015

2016 "Comprehensive all-sky search for periodic gravitational waves in the sixth science run LIGO data" Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), PhRvD, 94, 042002

2016 "Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914" Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), CQGra, 33, 134001

2016 "Supplement: Localization and Broadband Follow-up of the Gravitational-wave Transient GW150914; (2016, ApJL, 826, L13)" Abbott, B. P., et al(**incl. K. Ackley†, SSE**)., ApJS, 225, 8

2016 "Localization and Broadband Follow-up of the Gravitational-wave Transient GW150914" Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), ApJ, 826, L13

2016 "GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence" Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), PhRvL, 116, 241103

2016 "Properties of the Binary Black Hole Merger GW150914" Abbott, B. P., et al (**incl. K. Ackley†, SSE**)., PhRvL, 116, 241102

2016 "Tests of General Relativity with GW150914" Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), PhRvL, 116, 221101

2016 "High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube" Adrien-Martinez, S., et al. (**incl. K. Ackley†, SSE**), PhRvD, 93, 122010

2016 "Search for transient gravitational waves in coincidence with short-duration radio transients during 2007-2013" Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), PhRvD, 93, 122008

2016 "Observing gravitational-wave transient GW150914 with minimal assumptions" Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), PhRvD, 93, 122004

2016 "Furiously fast and red: sub-second optical flaring in V404 Cyg during the 2015 outburst peak" Gandhi, P., Littlefair, S. P., Hardy, L. K., Dhillon, V. S., Marsh, T. R., Shaw, A. W., Altamirano, D., Caballero-Garcia, M. D., Casares, J., Casella, P., Castro-Tirado, A. J., Charles, P. A., **Dallilar, Y.†, Eikenberry, S**., Fender, R. P., Hynes, R. I., Knigge, C., Kuulkers, E., Mooley, K., Munoz-Darias, T., Pahari, M., Rahoui, F., Russell, D. M., Hernandez Santisteban, J. V., Shahbaz, T., Terndrup, D. M., Tomsick, J., & Walton, D. J.MNRAS, 459, 554

2016 "GW150914: The Advanced LIGO Detectors in the Era of First Discoveries" Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), PhRvL, 116, 131103

2016 "GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes" Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), PhRvL, 116, 131102

2016 "Observation of Gravitational Waves from a Binary Black Hole Merger" Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), PhRvL, 116, 061102

† Indicates graduate student supervised by SSE
‡ Indicates postdoctoral fellow supervised by SSE

2016 "Search of the Orion spur for continuous gravitational waves using a loosely coherent algorithm on data from LIGO interferometers" Aasi, J., et al. (**incl. K. Ackley†, SSE**), PhRvD, 93, 042006

2016 "All-sky search for long-duration gravitational wave transients with initial LIGO" Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), PhRvD, 93, 042005

2016 "Astrophysical Implications of the Binary Black-hole Merger GW150914" Abbott, B. P., et al. (**incl. K. Ackley†, SSE**), ApJ, 818, L22

2015 "Searches for Continuous Gravitational Waves from Nine Young Supernova Remnants" Aasi, J., et al. (**incl. K. Ackley†, SSE**), ApJ, 813, 39

2015 "Characterizing the Rigidly Rotating Magnetosphere Stars HD 345439 and HD 23478", Wisniewski, J. P.; Chojnowski, S. D.; Davenport, J. R. A.; Bartz, J.; Pepper, J.; Whelan, D. G.; **Eikenberry, S. S.;** Lomax, J. R.; Majewski, S. R.; Richardson, N. D.; Skrutskie, M., ApJ Letters, 811, 26

2015 "B fields in OB stars (BOB): FORS 2 spectropolarimetric follow-up of the two rare rigidly rotating magnetosphere stars HD 23478 and HD 345439", Hubrig, S.; Schöller, M.; Fossati, L.; Morel, T.; Castro, N.; Oskinova, L. M.; Przybilla, N.; **Eikenberry, S. S.;** Nieva, M.-F.; Langer, N., A&A Letters, 578, 3

2015 "High-Resolution H-Band Spectroscopy of Be Stars With SDSS-III/Apogee: I. New Be Stars, Line Identifications, and Line Profiles", Chojnowski, S. Drew; Whelan, David G.; Wisniewski, John P.; Majewski, Steven R.; Hall, Matthew; Shetrone, Matthew; Beaton, Rachael; Burton, Adam; Damke, Guillermo; **Eikenberry, Steve**; Hasselquist, Sten; Holtzman, Jon A.; Mészáros, Szabolcs; Nidever, David; Schneider, Donald P.; Wilson, John; Zasowski, Gail; Bizyaev, Dmitry; Brewington, Howard; Brinkmann, J.; Ebelke, Garrett; Frinchaboy, Peter M.; Kinemuchi, Karen; Malanushenko, Elena; Malanushenko, Viktor; Marchante, Moses; Oravetz, Daniel; Pan, Kaike; Simmons, Audrey, AJ, 149, 7

2015 "Advanced LIGO", The LIGO Scientific Collaboration (**incl. K. Ackley†, SSE**), CQGra, 32, 4001

2015 "Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors", Aasi et al. (**incl. K. Ackley†, SSE**), Phys Rev D, 91, 2003

2015 "Narrow-band search of continuous gravitational-wave signals from Crab and Vela pulsars in Virgo VSR4 data", Aasi et al. (**incl. K. Ackley†, SSE**), Phys Rev D, 91, 2004

2015 "Directed search for gravitational waves from Scorpius X-1 with initial LIGO data", Aasi et al. (**incl. K. Ackley†, SSE**), Phys Rev D, 91, 2008

2014 "Gravitational Waves from Known Pulsars: Results from the Initial Detector Era", Aasi et al. (**incl. K. Ackley†, SSE**), ApJ, 785, 119

2014 "Application of a Hough search for continuous gravitational waves on data from the fifth LIGO science run", Aasi et al. (**incl. K. Ackley†, SSE**), CQGra, 31, 5014

2014 "Constraints on Cosmic Strings from the LIGO-Virgo Gravitational-Wave Detectors", Aasi et al. (**incl. K. Ackley†, SSE**), PhRevLet, 112, 1101

2014 "Search for gravitational wave ringdowns from perturbed intermediate mass black holes in LIGO-Virgo data from 2005-2010", Aasi et al. (incl. **incl. K. Ackley†, SSE**), Phys RevD, 89, 2006

2014 "The NINJA-2 project: detecting and characterizing gravitational waveforms modelled using numerical binary black hole simulations", Aasi et al. (**incl. K. Ackley†, SSE**), CQGra, 31, 50

2014 " Search for gravitational radiation from intermediate mass black hole binaries in data from the second LIGO-Virgo joint science run", Aasi et al. (**incl. K. Ackley†, SSE**), PhysRevD,89,2003

† Indicates graduate student supervised by SSE
‡ Indicates postdoctoral fellow supervised by SSE

2014 "Methods and results of a search for gravitational waves associated with gamma-ray bursts using the GEO 600, LIGO, and Virgo detectors", Aasi et al. (incl. **SSE**), Phys Rev D, 89. 2004

2014 "Search for Gravitational Waves Associated with gamma-ray Bursts Detected by the Interplanetary Network", Aasi et al. (incl. **SSE**), Phys Rev Let, 113. 1102

2014 "First all-sky search for continuous gravitational waves from unknown sources in binary systems", Aasi et al. (incl. **SSE**), Phys Rev D, 90, 2010

2014 "Multimessenger search for sources of gravitational waves and high-energy neutrinos: Initial results for LIGO-Virgo and IceCube", Aasi et al. (incl. **SSE**), Phys Rev D, 90, 2002

2014 "Improved Upper Limits on the Stochastic Gravitational-Wave Background from 2009-2010 LIGO and Virgo Data", Aasi et al. (incl. **SSE**), Phys Rev Let, 113, 1101

2014 "Discovery of Rigidly Rotating Magnetosphere Stars in the APOGEE Survey", **Eikenberry, S.S**., Chojnowski, S.D., Wisniewski, J., Majewski, S.R., Shetrone, M, Whelan, D.G., et al., ApJ Letters, 784, L30

2014 "First Searches for Optical Counterparts to Gravitational-wave Candidate Events", Aasi, J. et al. (**incl. SSE**), ApJS, 211, 7

2014 "Search for long-lived gravitational-wave transients coincident with long gamma-ray bursts", Aasi, J. et al. (**incl. SSE**), PhRvD, 88, 1220

2014 "Directed search for continuous gravitational waves from the Galactic center", Aasi, J. et al. (**incl. SSE**), PhRvD, 88, 2012

2013 "Probing the super star cluster environment of NGC 1569 using FISICA", †Clark, D. M.; **Eikenberry, S. S**.; Raines, S. N.; Gruel, N.; Elston, R.; Guzman, R.; Boreman, G.; Glenn, P. E., *MNRAS*, 428, 2290

2013 "Wide Integral-Field Infrared Spectroscopy of the Bright [Fe II] Shell in the Young Supernova Remnant G11.2-0.3", Lee, Ho-Gyu; Moon, Dae-Sik; Koo, Bon-Chul; Rahman, Mubdi; **Eikenberry, Stephen S**.; Gruel, Nicolas; Onaka, Takashi; Kim, Hyun-Jeong; Chun, Won-Seok; Raymond, J. C.; Raines, S. Nicholas; Guzman, Rafael, ApJ 770, 143

2013 "Fast X-Ray/IR Cross-correlations and Relativistic Jet Formation in GRS 1915+105", †Lasso-Cabrera, N. M.; **Eikenberry, S. S**., ApJ, 775, 82

2013 “X-ray Binary Candidates from the UF Galactic Center Survey”, †Dewitt, C. Bandyopadhyay, R., **Eikenberry, S**., Sellgren, L. Blum, R. Sarajedini, A., Olsen, K., AJ, 146, 109

2013 " FRIDA Integral Field Unit Opto-Mechanical Design", Cuevas, S. & **Eikenberry, S. S**., RMxAc , 42, 121

2013 " Opto-mechanical design of FRIDA", Bringas, V.; Lucero, D.; Uribe, J.; Rodríguez, A.; Montoya, J. M.; Estrada, R.; Álvarez, L.; Gómez, E.; Sánchez, B.; Cuevas, S.; Espejo, C.; Flores, R.; Keiman, C.; Chapa, O.; Lara, G**.; Eikenberry, S. S**., ., RMxAc , 42, 120

2013 "Status of the Canarias InfraRed Camera Experiment (CIRCE) for the Gran Telescopio Canarias", **Eikenberry, S. S.**; †Lasso, N.; Raines, S. N.; †Charcos, M.; †Edwards, M.; †Garner, A.; Marín-Franch. A.; Cenarro, A. J.; Bennett, J. G.; Frommeyer, R.; Herlevich, M.; Miller, P.; Murphey, C.; Packham, C., RMxAc , 42, 119

2013 " MIRADAS - The Next-Generation Near-Infrared Spectrograph for the GTC", **Eikenberry, S.S**., RMxAc , 42, 93

† Indicates graduate student supervised by SSE
‡ Indicates postdoctoral fellow supervised by SSE

2013 " FRIDA: the AO Second generation Instrument for GTC, Status Report", Sánchez, B.; Acosta, J.; Álvarez, L. C.; Bringas, V.; Cardiel, N.; Corrales, A.; Cuevas, S.; Chapa, O.; Díaz, J. J.; **Eikenberry, S. S**.; Eliche-Moral, M. C.; Espejo, C.; Flores, R.; Garzón, F.; Hammersley, P.; Keiman, C.; Lara, G.; López, J. A.; López, P.; Lucero, D.; Moreno, H.; Pascual, S.; Patrón, J.; Prieto, A.; Rodríguez, A.; Uribe, J.; Watson, A., RMxAc , 42, 88

2012 "Swift Follow-up Observations of Candidate Gravitational-wave Transient Events", The LIGO-VIRGO Science Collaboration (incl. **SSE**), *ApJS*, 203, 28

2011 “A Comparison between Lucky Imaging and Speckle Stabilization for Astronomical Imaging”, †Keremedjiev, M.; **Eikenberry, Stephen S**., *PASP*, 123, 900

2011 “Multiwavelength study of Chandra X-ray sources in the Antennae”, †Clark, D. M.; **Eikenberry, S.** S.; Brandl, B. R.; Wilson, J. C.; Carson, J. C.; Henderson, C. P.; Hayward, T. L.; Barry, D. J.; Ptak, A. F.; Colbert, E. J. M., *MNRAS*, 410, 890

2011 “A Near-Infrared Narrow-band Imaging Survey to Search for Massive Stars in Cl 1806-20”, †Edwards, Michelle L.; Bandyopadhyay, Reba M.; **Eikenberry, Stephen S**.; Mikles, Valerie J.; Moon, Dae-Sik, *BSRSL*, 80, 366

2010 “Near-infrared Counterparts of Chandra X-ray Sources Toward the Galactic Center”, †DeWitt, Curtis; Bandyopadhyay, Reba M.; **Eikenberry, Stephen S**.; Blum, Robert; Olsen, Knut; Sellgren, Kris; Sarajedini, Ata; *ApJ*, 721, 1663

2009 “QPO Frequency - Color Radius Connection in GRS 1915+105: Observational Evidence Supporting AEI Predictions”, †Mikles, V.J.; Varniere, P.; Rodriguez, J.; **Eikenberry, S.S**.; *ApJ Letters*, 694, L132

2009 “A Catalog of X-Ray Point Sources from Two Megaseconds of Chandra Observations of the Galactic Center”, Muno, M. P.; Bauer, F. E.; Baganoff, F. K.; Bandyopadhyay, R. M.; Bower, G. C.; Brandt, W. N.; Broos, P. S.; Cotera, A.; **Eikenberry, S. S**.; Garmire, G. P.; Hyman, S. D.; Kassim, N. E.; Lang, C. C.; Lazio, T. J. W.; Law, C.; Mauerhan, J. C.; Morris, M. R.; Nagata, T.; Nishiyama, S.; Park, S.; Ramìrez, S. V.; Stolovy, S. R.; Wijnands, R.; Wang, Q. D.; Wang, Z.; Yusef-Zadeh, F., *ApJS*, 181, 110

2008 “Discovery and Interpretation of an X-Ray Period in the Galactic Center Source CXOGC J174536.1-285638”, †Mikles, V.J.; **Eikenberry, S.S**.; Bandyopadhyay, R.M.; Muno, M.P., *ApJ*, 689, 1222

2008 “A First Estimate Of The X-Ray Binary Frequency As A Function Of Star Cluster Mass In A Single Galactic System”, †Clark, D. M., **Eikenberry, S. S**.; Brandl, B. R., Wilson, J. C., Carson, J. C., Henderson, C. P., Hayward, T. L., Barry, D. J., Ptak, A. F., Colbert, E. J. M., *ApJ*, 678, 798

2008 “HST/NICMOS Observations of Fast Infrared Flickering from the Microquasar GRS 1915+105”, **Eikenberry,S.S**., Patel,S.G., Rothstein,D.M., Remillard,R., Pooley,G., Morgan,E.H.., *ApJ*, 678, 369

2007 “Infrared Counterparts to Chandra X-Ray Sources in the Antennae”, †Clark, D.M., **Eikenberry,S.S**., Brandl, B.R., Wilson, J.C., Carson, J.C., Henderson, C.P., Hayward, T.L., Barry, D.J., Ptak, A.F., Colbert, E.J.M., *ApJ*, 658, 401

2006 “Identification of the Infrared Counterpart to a Newly Discovered X-Ray Source in the Galactic Center”, †Mikles, Valerie J.; **Eikenberry, Stephen S**.; Muno, Michael P.; Bandyopadhyay, Reba M.; Patel, Shannon, *ApJ*, 651, 408

2006 “CHAOS: The Cornell High-order Adaptive Optics Survey for Brown Dwarf Companions – II: Analysis and Results”, †Carson,J.C., **Eikenberry,S.S**., Brandl,B.R., Hayward,T.H., Wilson,J.C. *AJ*, 132, 1146

† Indicates graduate student supervised by SSE
‡ Indicates postdoctoral fellow supervised by SSE

2006 “FISICA Observations of the Starburst Galaxy NGC 1569”, †Clark, D.M., **Eikenberry,S.S**., Raines,S.N., Gruel,N., Elston,R., Guzman,R., Julian,J., Boremann,G., Glenn,P.E., Hull-Allen,G., Hoffmann,J., Rodger,M., Thompson,K., Flint,S., Comstock,L. Myrick,B., *NewAR*, 50, 43

2006 “FRIDA: Diffraction limited imaging and integral field spectroscopy with GTC”, López, J. A., Bringas, V., Cuevas, S., Díaz, J. J**., Eikenberry, S.,** Espejo, C., Flores, R., Fuentes, F. J., Gallego, J., Garzón, F, *RMxAC*, 26, 151

2006 “X-Ray Quasi-periodic Oscillations in GRS 1915+105: Clues to the Infrared Flares?”, †Mikles,V.A., **Eikenberry,S.S.,** Rothstein,D.M., *ApJ*, 637, 978

2006 “FISICA: The Florida image slicer for infrared cosmology and astrophysics”, **Eikenberry,S.S**., Elston, R., Guzman,R., Raines,S.N., Julian,J., Gruel,N., Boreman,G., Hoffmann,J., Rodgers,M., Glenn,P., *NewAR*, 50, 365

2006 “FRIDA: The infrared imager and integral field spectrograph for the adaptive optics system of GTC”, Cuevas, S., López, J. A., **Eikenberry, S**., Sánchez, B., Watson, A., Garzón, F., Prieto, A., Fuentes, J., Díaz, J. J., Espejo, C., *NewAR*, 50, 389

2005 “The Antennae Ultra-Luminous Source X-37 is a Background Quasar”, †Clark,D.M., Christopher,M., **Eikenberry,S.S**., Brandl,B.R., et al., *ApJ Letters*, 631,109

2005 “CHAOS: The Cornell High-order Adaptive Optics Survey for Brown Dwarf Companions – I: Observations and Data Reduction”, †Carson,J.C., **Eikenberry,S.S**., Brandl,B.R., Hayward,T.H., Wilson,J.C. *AJ*, 130, 1212

2005 “ Wide-field Near-Infrared Camera Images of the Antennae Galaxies”, Brandl,B.R., †Clark,D.M.,, **Eikenberry,S.S.,** et al., *ApJ*, 635, 280

2005 “Observations of Rapid Disk-Jet Interaction in the Microquasar GRS 1915+105”, †Rothstein, David M.; **Eikenberry, Stephen S**.; Matthews, Keith, *ApJ*, 626 991

2005 “Near-Infrared, Kilosecond Variability of the Wisps and Jet in the Crab Pulsar Wind Nebula”, Melatos, A.; Scheltus, D.; Whiting, M. T.; **Eikenberry, S. S**.; Romani, R. W.; Rigaut, F.; Spitkovsky, A.; Arons, J.; Payne, D. J. B., *ApJ*, 633, 931

2004 “Infrared Observations of the Candidate LBV 1806-20 and Nearby Cluster Stars”, Eikenberry, S. S.; Matthews, K.; LaVine, J. L.; Garske, M. A.; Hu, D., Jackson, M. A.; Patel, S. G.; Barry, D. J.; Colonno, M. R.; Houck, J. R, *ApJ*, 616, 506

2004 “PSR B1951+32: A Bow Shock-confined X-Ray Nebula, a Synchrotron Knot, and an Optical Counterpart Candidate “,†Moon, D.-S.; Lee, J.-J.; **Eikenberry, S. S.;** Koo, B.-C.; Chatterjee, S.; Kaplan, D. L.; Hester, J. J.; Cordes, J. M.;Gallant, Y. A.; Koch-Miramond, L., *ApJ Letters*, 610, L33

2004 “The connection between W31, SGR 1806-20, and LBV 1806-20: Distance, extinction, and structure “, Corbel,S. & **Eikenberry,S.S.,** *A&A*, 419, 191

2004 **“**A low-temperature Si/SiGe impact diode for improved infrared sensing”, †Meteer, J.A.; **Eikenberry, S.S**.; Huffman, J.E.; Kan, E.C, IEEE Device Research Conference, 62nd DRC. Conference Digest, Vol. 1, 177

2003 “Untwisting the Tornado: X-Ray Imaging and Spectroscopy of G357.7-0.1”,Gaensler, B. M.; Fogel, J. K. J.; Slane, P. O.; Miller, J. M.; Wijnands, R.; **Eikenberry, S. S**.; Lewin, W. H. G., *ApJ Letters*, 594, L3

2003 “The recent expansion of Pluto's atmosphere “, Elliot, J. L.; Ates, A.; Babcock, B. A.; Bosh, A. S.; Buie, M. W.; Clancy, K. B.; Dunham, E. W.; **Eikenberry, S. S.;** Hall, D. T.;Kern, S. D.; *Nature*, 424, 165

† Indicates graduate student supervised by SSE
‡ Indicates postdoctoral fellow supervised by SSE

2003 “A New Search Technique for Short Orbital Period Binary Pulsars “, Ransom, Scott M.; Cordes, James M.; **Eikenberry, Stephen S**., *ApJ*, 589, 911

2003 “The Environments of SGRs: A Brief & Biased Review **“, Eikenberry, Stephen S.**, GAMMA-RAY BURST AND AFTERGLOW ASTRONOMY 2001: A Workshop Celebrating the First Year of the HETE Mission. AIP Conference Proceedings, Volume 662, pp. 574-578 (2003).

2003 “The Evolution of LMC X-4 Flares: Evidence for Super-Eddington Radiation Oozing through Inhomogeneous Polar Cap Accretion Flows?” †D.S. Moon, **S.S. Eikenberry**, & I. Wasserman, 2003, *ApJ*, 586, 1280

2002 “SMC X-1 as an Intermediate Stage Flaring X-ray Pulsar”, †Moon,D.S., **Eikenberry,S.S**., Wasserman,I. , *ApJ Letters*, 582, L91

2002 “Revised Infrared Astrometry and a Counterpart for the Microquasar GRS 1758-258”, †Rothstein,D.M., **Eikenberry,S.S**., Heindl,W., Egami,E., Djorgovski,S.G. ,*ApJ Letters*, 580, L61

2002 “Fourier Techniques for Very Long Astrophysical Time-Series Analysis”, Ransom, Scott M.; **Eikenberry, Stephen S**.; Middleditch, John, *AJ*, 124, 1788

2002 “Fourier Techniques for the Analysis of Long Astrophysical Time Series”, Ransom,S.M., **Eikenberry,S.S**., Middleditch,J. 2002, *AJ*, 124, 1788.

2001 “Possible Infrared Counterparts to the Soft Gamma-Ray Repeater SGR 1806-20**”,** **Eikenberry,S.S**., Garske,M.A., Hu,D., Jackson,M.A., Patel,S.G., Barry,D.J., Colonno,M.R., Houck,J.R., 2001, *ApJ Letters*, 563, L133

2001 “Twenty Years of Timing SS433”, **Eikenberry,S.S.,** Cameron,P.B., Fierce,B.W., Kull,D.M., Dror,D.H.., Houck,J.R., 2001, *ApJ*, 561, 1027.

2001 “Discovery of Coupling between Periodic and Aperiodic Variability and X-ray Quasi-Periodic Oscillations in Her X-1”, †Moon.D.S., **Eikenberry, S.S.,** *ApJ Letters*, 552, L135

2001 “Deep Infrared Imaging of the Microquasars 1E1740-2942 and GRS 1758-258”, **Eikenberry, S.S.,** Fischer, W.J., Egami, E., Djorgovski, S.G., *ApJ*, 556, 1

2001 “A Next Generation High-Speed Data Acquisition System for Multi-channel Infrared and Optical Photometry”, †Moon, D.S., Pirger, B.E., **Eikenberry, S.S.,** *PASP*, 113, 646

2001 “Large X-ray Flares from LMC X-4: Discovery of Millihertz Quasi-Periodic Oscillations and QPO-Modulated Pulsations”, †Moon.D.S., **Eikenberry, S.S.,** *ApJ Letters*, 549, L225.

2001 “A Binary Millisecond Pulsar in Globular Cluster NGC 6544”, Ransom,S.M., Greenhill, L.J., Herrnstein,J.R., Manchester, R.N., Camilo, F., **Eikenberry, S.S.,** Lyne, A.G. *ApJ Letters*, 546, L25.

2001 “Three Modes of Long-wavelength Flaring in GRS 1915+105: Implications for Jet Formation”, **Eikenberry, S.S**., Ap&SS, 276, 101

2001 “On the Mass-Donating Star in GRS 1915+105”, **Eikenberry, S.S.,** Bandyopadhyay, R.M., *Ap&SS,* 276, 39

2001 “The Optical/Infrared Astronomical Quality of High Atacama Sites. II. Infrared Characteristics”, Giovanelli, R.; Darling, J.; Henderson, C.; Hoffman, W.; Barry, D.; Cordes, J.; **Eikenberry, S**.; Gull, G.; Keller, L.; Smith, J. D.; Stacey, G., *PASP*, 113, 803

2001 “The Optical/Infrared Astronomical Quality of High Atacama Sites. I. Preliminary Results of Optical Seeing”, Giovanelli, R.; Darling, J.; Sarazin, M.; Yu, J.; Harvey, P.; Henderson, C.; Hoffman, W.; Keller, L. Barry, D.; Cordes, J.; **Eikenberry, S**.; Gull, G.; Harrington, J.; Smith, J. D.; Stacey, G.; Swain, M.., *PASP*, 113, 789

† Indicates graduate student supervised by SSE
‡ Indicates postdoctoral fellow supervised by SSE

2000 “On the Mass-Donating Star in GRS 1915+105”, **Eikenberry, S.S.,** Bandyopadhyay, R.M., *ApJ Letters*, 545, L131.

2000 “Search for an Infrared Counterpart to SGR 1900+14”, **Eikenberry, S.S**. & Dror, D.H., *ApJ*, 537, 429.

2000 “Faint Infrared Flares from the Microquasar GRS 1915+105”, **Eikenberry, S.S.,** Matthews, K., Muno, M., Blanco, P.R., Morgan, E.H., Remillard, R.A., *ApJ Letters*, 532, L33

1998 “Spectroscopy of Infrared Flares from the Microquasar GRS 1915+105”, **Eikenberry, S.S.,** Matthews, K., Murphy, T.W., Nelson, R.W., Morgan, E.H., Remillard, R.A., *ApJ Letters*, 506, L31

1998 “Evidence for a Disk-Jet Interaction in the Microquasar GRS 1915+105”, **Eikenberry, S.S.,** Matthews, K., Morgan, E.H., Remillard, R.A., Nelson, R.W., *ApJ Letters*, 494, L61

1998 “The Energetic Afterglow of the γ-ray Burst of 14 December 1997”, Ramaprakash, A.N., Kulkarni, S.R., Frail, D.A., Koresko, C., Kuchner, M., Goodrich, R., Neugebauer, G., Murphy, T**.,** **Eikenberry, S**., Bloom, J.S., Djorgovski, S.G., Waxman, E., Frontera, F., Feroci, M., Nicastro, L., *Nature*, 393, 43.

1998 “ROSAT Timing of the LMC Pulsar 0540-69”, **Eikenberry, S.S.,** Fazio, G.G., Ransom, S.M., *ApJ*, 492, 754.

1997 “High Time Resolution Infrared Observations of the Crab Nebula Pulsar and the Pulsar Emission Mechanism”, **Eikenberry, S.S.,** Fazio, G.G., Ransom, S.M., Middleditch, J., Kristian, J., Pennypacker, C.R., *ApJ*, 477, 465.

1997 “The Infrared to Gamma-Ray Pulse Shape of the Crab Nebula Pulsar”, **Eikenberry, S.S**. and Fazio, G.G., *ApJ*, 476, 281.

1997 “Time Evolution and the Nature of the Near-Infrared Jets in GRS 1915+105”, **Eikenberry, S.S**. and Fazio, G.G., *ApJ Letters*, 475, L53.

1996 “An SSPM-Based High-Speed Near-Infrared Photometer for Astronomy”, **Eikenberry, S.S.,** Fazio, G.G., Ransom, S.M., *PASP*, 108, 939.

1996 “Infrared-to-Ultraviolet Wavelength-Dependent Variations Within the Pulse Profile Peaks of the Crab Nebula Pulsar”, **Eikenberry, S.S**., Fazio, G.G., Ransom, S.M., Middleditch, J., Kristian, J., Pennypacker, C.R., *ApJ Letters*, 467, L85.

1994 “High Time Resolution Infrared Observations of the Crab Nebula Pulsar”, Ransom, S.M., Fazio, G.G., **Eikenberry, S.S.,** Middleditch, J., Kristian, J., Hays, K., Pennypacker, C.R., *ApJ Letters*, 431, L43.

† Indicates graduate student supervised by SSE
‡ Indicates postdoctoral fellow supervised by SSE

Theses

1997 ``Development of Solid State Photomultiplier-Based Infrared High Speed Photometers and High Time Resolution Observations of Young Pulsars", Ph.D. Thesis, Harvard University. Supervisor: Dr. Giovanni Fazio

1994 ``The Galactic Distribution of Low-Mass X-ray Binaries", Masters Thesis, Harvard University. Supervisor: Prof. Jonathan Grindlay

Conference Proceedings & Other Articles

2019 “How do massive stars form? Finding targets for MIRADAS”, Marco, A.; Negueruela, I.; **Eikenberry, S. S.;** Herrero, A., Highlights on Spanish Astrophysics X, Proceedings of the XIII Scientific Meeting of the Spanish Astronomical Society held on July 16-20, 2018, in Salamanca, Spain, ISBN 978-84-09-09331-1. B. Montesinos, A. Asensio Ramos, F. Buitrago, R. Schödel, E. Villaver, S. Pérez-Hoyos, I. Ordóñez-Etxeberria (eds.) p. 353-358

2019 “First results of an observational test of a double reionization scenario by searching for galaxies at high redshift”, Cabello, C.; Gallego, J.; Cardiel, N.; Guzmán, R.; Rodríguez-Espinosa, J. M.; Herrero, A.; Mas-Hesse, M.; Salvador-Solé, E.; Manrique, A.; Marín-Franch, A.; **Eikenberry, S.,** Highlights on Spanish Astrophysics X, Proceedings of the XIII Scientific Meeting of the Spanish Astronomical Society held on July 16-20, 2018, in Salamanca, Spain, ISBN 978-84-09-09331-1. B. Montesinos, A. Asensio Ramos, F. Buitrago, R. Schödel, E. Villaver, S. Pérez-Hoyos, I. Ordóñez-Etxeberria (eds.) p. 205-205

2018 “The wide integral field infrared spectrograph: commissioning results and on-sky performance”, Sivanandam, Suresh; Moon, Dae-Sik; Meyer, R. Elliot; Grunhut, Jason; Zaritsky, Dennis; Eisner, Joshua; Ma, Ke; Henderson, Charles; Blank, Basil; Chou, Chueh-Yi; Jarvis, Miranda E.; **Eikenberry, Stephen**; Chun, Moo-Young; Park, Byeong-Gon, Proc. SPIE, 10702, id. 1070218.

2016 "First results and future plans for the Canarias Infrared Camera Experiment (CIRCE) for the Gran Telescopio Canarias", †**Garner, Alan; Eikenberry, Stephen S.;** †**Charcos, Miguel;** †**Dallilar, Yigit;** †**Edwards, Michelle;** †**Lasso-Cabrera, Nestor;** †**Stelter, Richard D.;** ‡**Marin-Franch, Antonio**; Raines, S. Nicholas; Ackley, Kendall; Bennett, John G.; Cenarro, Javier A.; Chinn, Brian; Donoso, Veronica H.; Frommeyer, Raymond; Hanna, Kevin; Herlevich, Michael D.; Julian, Jeff; Miller, Paola; Mullin, Scott; Murphey, Charles H.; Packham, Christopher; Varosi, Frank; Vega, Claudia; Warner, Craig; Ramaprakash, Anamparambu N.; Burse, Mahesh; Punnadi, Sujit; Chordia, Pravinkumar; Gerarts, Andreas; Martín, Héctor de Paz; Calero, María. Martín.; Scarpa, Riccardo; Fernandez Acosta, Sergio; Hernández Sánchez, William Miguel; Siegel, Benjamin; Pérez, Francisco Francisco; Viera Martín, Himar D.; Rodríguez Losada, José A.; Nuñez, Agustín.; Tejero, Álvaro; Martín González, Carlos E.; Rodríguez, César Cabrera; Molgó Sendra, Jordi; Rodriguez, J. Esteban; Fernádez Cáceres, J. Israel; Rodríguez García, Luis A.; Lopez, Manuel Huertas; Dominguez, Raul; Gaggstatter, Tim; Cabrera-Lavers, Antonio; Geier, Stefan; Pessev, Peter; Sarajedini, Ata; Castro-Tirado, A. J., *Proc. of SPIE, 9908, 4QG*

2016 "The Wide Integral Field Infrared Spectrograph (WIFIS): optomechanical design and development", Meyer, R. Elliot; Moon, Dae-Sik; Sivanandam, Suresh; Ma, Ke; Henderson, Chuck; Blank, Basil; Chou, Chueh-Yi; Jarvis, Miranda; **Eikenberry, Stephen S.,** *Proc. of SPIE, 9908, 3QM*

‡ Indicates postdoctoral fellow supervised by SSE
† Indicates graduate student supervised by SSE

2016 "MIRADAS for the Gran Telescopio Canarias", **Eikenberry, Stephen S.**; Raines, Steven Nicholas; †**Stelter**, **Richard Deno;** †**Garner, Alan;** †**Dallilar, Yigit;** †**Ackley, Kendall;** Bennett, John Greg; Murphey, Charles H.; Miller, Paola; Tooke, David; Williams, Luke; Chinn, Brian; Mullin, Scott A.; Schofield, Sidney L.; Warner, Craig D.; Varosi, Frank; Zhao, Bo; Eikenberry, Sophia A.; Vega, Claudia; Donoso, Hipatia V.; Sabater, Josep; Gómez, José María.; Torra, Jordi; Rosich Minguell, Josefina; Garzón López, Francisco; Cardiel, Nicolás.; Gallego Maestro, Jesús; Marín-Franch, Antonio; Galipienzo, Julio; Carrera Astigarraga, Miguel Ángel; Fitzgerald, Greg J.; Prees, Ian; Stolberg, Todd M.; Kornik, Peter A.; Ramaprakash, Anamparambu N.; Burse, Mahesh P.; Punnadi, Sujit P.; Hammersley, P., *Proc. of SPIE, 9908, 1LE*

2016 "FRIDA: diffraction-limited imaging and integral-field spectroscopy for the GTC", Watson, Alan M.; Acosta-Pulido, José A.; Álvarez-Núñez, Luis C.; Bringas-Rico, Vicente; Cardiel, Nicolás.; Cardona, Salvador; Chapa, Oscar; Díaz García, José Javier; **Eikenberry, Stephen S**.; Espejo, Carlos; Flores-Meza, Rubén. A.; Fuentes-Fernández, Jorge; Gallego, Jesús; Garcés Medina, José Leonardo; Garzón López, Francisco; Hammersley, Peter; Keiman, Carolina; Lara, Gerardo; López, José Alberto; López, Pablo L.; Lucero, Diana; Moreno Arce, Heidy; Pascual Ramirez, Sergio; Patrón Recio, Jesús; Prieto, Almudena; Rodríguez, Alberto José; Marco de la Rosa, José; Sánchez, Beatriz; Uribe, Jorge A.; Váldez Berriozabal, Francisco, ., *Proc. of SPIE, 9908, 0PW*

2014 "Demonstration of high-performance cryogenic probe arms for deployable IFUs", **Eikenberry, Stephen S.;** Murphey, Charles H.; Mullin, Scott A.; Bennett, John G.; Raines, Steven N.; Ackley, Kendall; Stelter, Richard D.; Garner, Alan; Sabater, Josep; Eikenberry, Sophia A.; Chinn, Brian; Donoso, Hipatia V.; Vega, Claudia S.; Gómez, José María.; Torra, Jordi; Herlevich, Michael D.; Frommeyer, Richard; Miller, Paola, SPIE, 9147, 0XE

2014 "Status and first results of the Canarias infrared camera experiment (CIRCE) for the Gran Telescopio Canarias", †Garner, Alan; †Stelter, Richard D.; **Eikenberry, Stephen S.**; †Lasso-Cabrera, Nestor; Raines, Steven N.; Charcos, Miguel; Edwards, Michelle; Marín-Franch, Antonio; Ackley, Kendall; Cenarro, A. Javier; Bennett, John G.; Chinn, Brian; Frommeyer, Raymond; Herlevich, Michael D.; Miller, Paola; Murphey, Charles H.; Packham, Christopher

2014 "FRIDA integral field unit manufacturing", Cuevas, Salvador; **Eikenberry, Stephen S**.; Sánchez, Beatriz, SPIE, 9151, 4

2014 "Kinematic modeling and path planning for MIRADAS arms", Sabater, Josep; Gómez, José María.; López, Manuel; Torra, Jordi; Raines, Steven N.; **Eikenberry, Stephen S**., SPIE, 9151, 5

2014 "FRIDA, the diffraction limited NIR imager and IFS for the Gran Telescopio Canarias: status report", J.A. Lopez et al. **(incl. SSE**), SPIE, 9147, 1

2013 "Redefining the Data Pipeline Using GPUs", Warner, C.; **Eikenberry, S. S.;** Gonzalez, A. H.; Packham, C., ASPC, 475, 79

2012 "MIRADAS for the Gran Telescopio Canarias: system overview", **Eikenberry, S. S**.; Bennett, J. G.; Chinn, B.; Donoso, H. V.; Eikenberry, S. A.; Ettedgui, E.; Fletcher, A.; Frommeyer, Raymond; Garner, A.; Herlevich, M.; Lasso, N.; Miller, P.; Mullin, S.; Murphey, C.; Raines, S. N.; Packham, C.; Schofield, S.; Stelter, R. D.; Varosi, F.; Vega, C.; Warner, C.; Garzón, Francisco; Rosich, J.; Gomez, J. M.; Sabater, J.; Vilar, C.; Torra, J.; Gallego, J.; Cardiel, N.; Eliche, C.; Pascual, S.; Ballester, O.; Illa, J. M.; Jimenez, J.; Cardiel-Sas, L.; Galipienzo, J.; Carrera, M. A.; Hammersley, P.; Cuevas, S., *Proc. of SPIE*, 8446, 57

‡ Indicates postdoctoral fellow supervised by SSE
† Indicates graduate student supervised by SSE

2012 "FLAMINGOS-2: the facility near-infrared wide-field imager and multi-object spectrograph for Gemini", **Eikenberry, Stephen**; Bandyopadhyay, Reba; Bennett, J. Greg; Bessoff, Aaron; Branch, Matt; Charcos, Miguel; Corley, Richard; Dewitt, Curtis; Eriksen, John-David; Elston, Richard; Frommeyer, Skip; Gonzalez, Anthony; Hanna, Kevin; Herlevich, Michael; Hon, David; Julian, Jeff; Julian, Roger; Lasso, Nestor; Marin-Franch, Antonio; Marti, Jose; Murphey, Charlie; Raines, S. N.; Rambold, William; Rashkind, David; Warner, Craig; Leckie, Brian; Gardhouse, W. R.; Fletcher, Murray; Hardy, Tim; Dunn, Jennifer; Wooff, Robert; Pazder, John, *Proc. of SPIE*, 8446, 0

2012 "Frida integral field unit opto-mechanical design", Cuevas, Salvador; **Eikenberry, Stephen S**.; Bringas, Vicente; Corrales, Adi; Espejo, Carlos; Lucero, Diana; Rodriguez, Alberto; Sánchez, Beatriz; Uribe, Jorge, *Proc. of SPIE*, 8540, 4

2012 "The development of WIFIS: a wide integral field infrared spectrograph", Sivanandam, Suresh; Chou, Richard C. Y.; Moon, Dae-Sik; Ma, Ke; Millar-Blanchaer, Maxwell; **Eikenberry, Stephen S**.; Chun, Moo-Young; Kim, Sang Chul; Raines, Steven N.; Eisner, Joshua, *Proc. of SPIE*, 8446, 4

2012 "Image quality tests on the Canarias InfraRed Camera Experiment (CIRCE)", †Lasso Cabrera, Nestor M.; **Eikenberry, Stephen S**.; Garner, Alan; Raines, S. Nicholas; Charcos-Llorens, Miguel V.; Edwards, Michelle L.; Marin-Franch, Antonio, *Proc. of SPIE*, 8446, 2

2012 "Current status of FRIDA: diffraction limited NIR instrument for the GTC", Sánchez, Beatriz; Acosta, José A.; Álvarez, Luis C.; Bringas, Vicente; Cardiel, Nicolás.; Corrales, Adi; Cuevas, Salvador; Chapa, Oscar; Díaz, José Javier; **Eikenberry, Stephen S**.; Eliche, Carmen; Espejo, Carlos; Flores, Rubén.; Garzón, Francisco; Hammersley, Peter; Keiman, Carolina; Lara, Gerardo; López, José A.; López, Pablo; Lucero, Diana; Montoya, Jose Manuel; Moreno, Heidy; Pascual, Sergio; Patrón, Jesús; Prieto, Almudena; Raines, N.; Rodríguez, Alberto; Uribe, Jorge; Watson, Alan, *Proc. of SPIE*, 8446, 24

2012 "GPUs and Python: A Recipe for Lightning-Fast Data Pipelines", Warner, C.; Packham, C.; **Eikenberry, S. S**.; Gonzalez, A., *ASPC*, 461, 53

2010 “Fast photometry mode possibilities for the Canarias Infrared Camera Experiment (CIRCE)”, †Lasso Cabrera, Nestor M.; Hanna, Kevin T.; **Eikenberry, Stephen S**.; Charcos-Llorens, Miguel V.; Edwards, Michelle L.; Marin-Franch, Antonio, *Proc. Of SPIE*, 7735, 199

2010 “On-sky demonstration of optical speckle stabilization using the SPIFS-POC”, †Keremedjiev, Mark; **Eikenberry, Stephen S**.; Carson, Joseph C., *Proc. Of SPIE*, 7735, 60

2010 “The optical design of wide integral field infrared spectrograph”, Chou, Richard C. Y.; Moon, Dae-Sik; **Eikenberry, Stephen S**., *Proc. Of SPIE*, 7735, 223

2008 “FLAMINGOS-2: the facility near-infrared wide-field imager and multi-object spectrograph for Gemini”, **Eikenberry, Stephen**; Elston, Richard; Raines, S. Nicholas; Julian, Jeff; Hanna, Kevin; Warner, Craig; Julian, Roger; Bandyopadhyay, Reba; Bennett, J. Greg; Bessoff, Aaron;, *Proc. Of SPIE*, 7014, 28

2008 “Optical-mechanical operation of the F2T2 filter: a tunable filter designed to search for First Light”, Mentuch, Erin; Scott, Alan; Abraham, Roberto; Barton, Elizabeth; Bershady, Matthew; Bland-Hawthorn, Joss; Crampton, David; Doyon, René; **Eikenberry, Steve**; Gladders, Mike, *Proc. Of SPIE*, 7014, 236

‡ Indicates postdoctoral fellow supervised by SSE
† Indicates graduate student supervised by SSE

2008 “The University of Florida's next-generation cryogenic infrared focal plane array controller system”, Raines, Steven N.; Boreman, Glenn D.; **Eikenberry, Stephen S.;** Bandyopadhyay, Reba M.; Quijano, Ismael, *Proc. Of SPIE*, 7014, 220

2008 “Optical design of FRIDA, the integral-field spectrograph and imager for the AO system of the Gran Telescopio Canarias”, Cuevas, Salvador; **Eikenberry, Stephen S**.; Sánchez, Beatriz; Chapa, Oscar; Espejo, Carlos; Flores-Meza, Rubén; Lara, Gerardo; Álvarez, Luis C.; Keiman, Carolina, *Proc. Of SPIE*, 7014, 211

2008 “SPIFS performance simulations: achieving diffraction-limited spatial resolutions for spectroscopy”, † Keremedjiev, M.; **Eikenberry, S. S**.; Carson, J. C., *Proc. Of SPIE*, 7014, 190

2008 “Stabilized-speckle integral field spectroscopy: SPIFS”, **Eikenberry, Stephen S.;** †Keremedjiev, Mark; Carson, Joseph C., *Proc. Of SPIE*, 7014, 189

2008 “Characterization and testing of FLAMINGOS-2: the Gemini facility near-infrared multi-object spectrometer and wide-field imager”, Raines, Steven N.; **Eikenberry, Stephen S.;** Bandyopadhyay, Reba M.; Julian, Jeffrey A.; Hanna, Kevin T.; Warner, Craig D.; Julian, Roger E.; Bennett, J. Greg; DeWitt, Curtis N.; Frommeyer, Skip, *Proc. Of SPIE*, 7014, 110

2008 “Cryogenic tests of bimetallic diamond-turned mirrors for the FRIDA integral field unit”, †DeWitt, Curtis; **Eikenberry, Stephen**; Cuevas Cardona, Salvador; Chapa, Oscar; Espejo, Carlos; Keiman, Carolina; Sanchez, Beatriz, *Proc. Of SPIE*, 7014, 97

2008 “Readout electronics and fast photometry with the Canarias InfraRed Camera Experiment (CIRCE)”, † Lasso Cabrera, Nestor M.; Hanna, Kevin T.; **Eikenberry, Stephen S.;** Edwards, Michelle L.; Charcos-Llorens, Miguel V.; Marin-Franch, Antonio; Cenarro, Javier, *Proc. Of SPIE*, 7014, 88

2008 “Polarimetric capabilities with the Canarias InfraRed Camera Experiment (CIRCE)”, †Charcos-Llorens, Miguel V.; **Eikenberry, Stephen S**.; Edwards, Michelle L.; Lasso, Nestor M.; Marin-Franch, Antonio; Packham, Christopher C.,, *Proc. Of SPIE*, 7014, 87

2008 “The Canarias InfraRed Camera Experiment (CIRCE): progress of the opto- and cryo-mechanical design and manufacture”, †Edwards, M. L.; **Eikenberry, S. S**.; Charcos-Llorens, M.; Marin-Franch, A.; Lasso, N.; Raines, S. N.; Julian, J.; Hanna, K.; Packham, C.; Rodgers, M.; Bandyopadhyay, R. M.,, *Proc. Of SPIE*, 7014, 86

2006 “FLAMINGOS-2: the facility near-infrared wide-field imager and multi-object spectrograph for Gemini”, **Eikenberry, Stephen**; Elston, Richard; Raines, S. Nicholas; Julian, Jeff; Hanna, Kevin; Hon, David; Julian, Roger; Bandyopadhyay, R.; Bennett, J. Greg; Bessoff, Aaron, *Proc. Of SPIE*, 6269, 39

2006 “Conceptual design for a high-resolution infrared spectrograph for the 8-m Gemini telescopes”, Hinkle, Kenneth H.; **Eikenberry, Stephen**; Joyce, Richard; Liang, Ming; Muller, Gary; Hileman, Ed; French, Jim; Ge, Jian; Packham, Chris; Julian, Roger, *Proc. Of SPIE*, 6269, 117

2006 “FRIDA: integral-field spectrograph and imager for the adaptive optics system of the Gran Telescopio Canarias”, López, J. A.; Bringas, V.; Cuevas, S.; Díaz, J. J.; **Eikenberry, S. S**.; Espejo, C.; Estrada, R.; Flores-Meza, R.; Fuentes, F. J.; Garzón, F., *Proc. Of SPIE*, 6269, 119

‡ Indicates postdoctoral fellow supervised by SSE
† Indicates graduate student supervised by SSE

2006 “Optical design of the high-resolution near-infrared spectrograph”, Liang, Ming; Joyce, R. R.; **Eikenberry, S. S.;** Hinkle, K. H.; Muller, G. P.; Ge, Jian; Sprayberry, David, *Proc. Of SPIE*, 6269, 139

2006 “Mechanical design of the Gemini high resolution near-infrared spectrograph”, Muller, G. P.; Hileman, E. A.; Hinkle, K. H.; Joyce, R. R.; Liang, M.; Sprayberry, D.; **Eikenberry, S. S**., *Proc. Of SPIE*, 6269, 142

2006 “The MOAO system of the IRMOS near-infrared multi-object spectrograph for TMT”, Andersen, David R.; **Eikenberry, Stephen S.;** Fletcher, Murray; Gardhouse, William; Leckie, Brian; Véran, Jean-Pierre; Gavel, Don; Clare, Richard; Guzman, Rafael; Jolissaint, Laurent; *Proc. Of SPIE*, 6269, 145

2006 “FISICA: the Florida imager slicer for infrared cosmology and astrophysics”, **Eikenberry, Stephen;** Raines, S. Nicholas; Gruel, Nicolas; Elston, Richard; Guzman, Rafael; Julian, Jeff; Boreman, Glenn; Glenn, Paul; Hull-Allen, Gregory; Hoffman, Jeffrey, . *Proc. Of SPIE*, 6269, 146

2006 “Control software and user interface for the Canarias Infrared Camera Experiment (CIRCE)”, ‡Marín-Franch, Antonio; **Eikenberry, Stephen S**.; Charcos-Llorens, Miguel V.; Edwards, Michelle L.; Varosi, Frank; Hon, David B.; Raines, Steven N.; Warner, Craig D.; Rashkin, David, *Proc. Of SPIE*, 6269, 155

2006 “The Canarias Infrared Camera Experiment (CIRCE): optical and opto-mechanical design and manufacture”, †Edwards, M. L.; **Eikenberry, S. S.**; Marin-Franch, A.; Charcos-Llorens, M.; Rodgers, M.; Julian, J.; Raines, N.; Packham, C., *Proc. Of SPIE*, 6269, 157

2006 “Performance of F2T2 tandem tunable etalon”, Scott, Alan; Javed, Maniyar; Abraham, Roberto; **Eikenberry, Steve**; Barton, Elizabeth; Bershady, Matthew; Bland-Hawthorn, Joss; Crampton, David; Doyon, Rene; Julian, Jeff, *Proc. Of SPIE*, 6269, 176

2006 “IRMOS: The near-infrared multi-object spectrograph for the TMT”, **Eikenberry, S**.; Andersen, D.; Guzman, R.; Bally, J.; Cuevas, Salvador; Fletcher, M.; Gardhouse, Rusty; Gavel, Don; Gonzalez, Anthony; Gruel, Nicolas;, *Proc. Of SPIE*, 6269, 188

2006 “Systems engineering and performance modeling of the Gemini High-Resolution Near-Infrared Spectrograph (HRNIRS)”, **Eikenberry, Stephen**; Hinkle, Kenneth; Joyce, Dick; Liang, Ming; Muller, Gary; Heileman, Ed; French, Jim; Ge, Jian; Packham, Chris; Julian, Roger;, *Proc. Of SPIE*, 6271, 31

2006 “An infrared photon-counting photometer based on the edge-illuminated solid-state photomultiplier”, †Moon, Dae-Sik; **Eikenberry, Stephen S**.; Fazio, Giovanni G., *Proc. Of SPIE*, 6276, 26

2004 “FISICA: the Florida image slicer for infrared cosmology and astrophysics”, **Eikenberry, Stephen S**.; Elston, Richard; Guzman, Rafael; Julian, Jeff; Raines, S. Nicholas; Gruel, Nicolas; Boreman, Glenn; Glenn, Paul E.; Hull-Allen, C. Gregory; Hoffman, Jeff, Proc. Of the SPIE, 5492, 1264

‡ Indicates postdoctoral fellow supervised by SSE
† Indicates graduate student supervised by SSE

2004 “FLAMINGOS-2: the facility near-infrared wide-field imager and multi-object spectrograph for Gemini”, **Eikenberry, Stephen S**.; Elston, Richard; Raines, S. Nicholas; Julian, Jeff; Corley, Richard J.; Hanna, Kevin; Hon, David; Julian, Roger; Rashkin, David; Leckie, Brian, Proc. Of the SPIE, 5492, 1196

2004 “Overview and design of the Canarias infrared camera experiment (CIRCE)”, †Edwards, Michelle L.; Marin-Franch, Antonio; **Eikenberry, Stephen S**.; Rodgers, Michael; Julian, Jeff; Hanna, Kevin; Packham, Chris, Proc. Of the SPIE, 5491, 1710

2004 “Design, fabrication, assembly, and testing of the Florida image slicer for infrared cosmology and astrophysics (FISICA) integral field unit”, Glenn, Paul E.; Hull-Allen, C. Gregory; Hoffman, Jeff; Rodgers, Michael; Thompson, Kevin; Myrick, Bruce; Comstock, Lovell; Flint, Scott; Boreman, Glenn; **Eikenberry, Stephen S**.; Proc. Of the SPIE, 5492, 1254

2004 “MMT and Magellan infrared spectrograph “,McLeod, Brian A.; Fabricant, Daniel; Geary, John; Martini, Paul; Nystrom, George; Elston, Richard; **Eikenberry, Stephen S**.; Epps, Harland, Proc. Of the SPIE, 5492, 1306

2003 “A Wide-Field Infrared Camera for the Palomar 200-inch Telescope “,‡Wilson, John C.; **Eikenberry, Stephen S**.; Henderson, Charles P.; Hayward, Thomas L.; Carson, Joseph C.; Pirger, Bruce; Barry, Donald J.; Brandl, Bernhard R.; Houck, James R.; Fitzgerald, Gregory J.; Stolberg, T. M., Proc. of SPIE, 4841, 451

2003 “X-ray Timing and Jets: The Future”, **Eikenberry, Stephen S**. , *X-ray Timing 2003: Rossi and Beyond*, Kaaret,P., Lamb, F.K., Swank,J.H. eds. AIP Conf. Proc., 714, 143

2003 “Calculating diffraction-limited PSFs for large segmented telescopes “, **Eikenberry, Stephen S.;** † Shkedi, Brienne D.; Herter, Terry L., Proc. of SPIE, 4837, 514

2003 “An Infrared Optimized AO System for a 15 - 20m Class Telescope “, Brandl, Bernhard R.; **Eikenberry, Stephen S**.; Herter, Terry L.; † Kulkarni, Jayant , Proc. of SPIE, 4837, 514

1995 “SSPM-based high-speed infrared photometer for astronomy”, **Eikenberry, Stephen S.;** Fazio, Giovanni G.; Ransom, Scott M., Proc. Of SPIE, 2475, 210

‡ Indicates postdoctoral fellow supervised by SSE
† Indicates graduate student supervised by SSE