

# Publications

## Refereed Publications

**Linford, J.D.**, Taylor, G.B., Romani, R.W., Healey, S.E., Helmboldt, J.F., Readhead, A.C.S., Reeves, R., Richards, J.L., & Cotter, G. 2011, The Astrophysical Journal, 726, 16  
“Characteristics of Gamma-ray Loud Blazars in the VLBA Imaging and Polarimetry Survey”

**Linford, J.D.**, Taylor, G.B., Romani, R.W., Helmboldt, J.F., Readhead, A.C.S., Reeves, R., & Richards, J.L. 2012, The Astrophysical Journal, 744, 177, “Contemporaneous VLBA 5 GHz Observations of LAT-Detected Blazars”

**Linford, J.D.**, Taylor, G.B., & Schinzel, F.K. 2012, The Astrophysical Journal, 757, 25,  
“Gamma-Ray Loudness, Synchrotron Peak Frequency, and Parsec-Scale Properties of Blazars Detected by the Fermi Large Area Telescope”

Weisskopf, M.C., et al. 2013, The Astrophysical Journal, 765, 56, “Chandra, Keck, and VLA Observations of the Crab Nebula During the 2011-April Gamma-ray Flare”

Paragi, Z., van der Horst, A.J., Belloni, T., Miller-Jones, J.C.A., **Linford, J.**, et al. 2013, Monthly Notices of the Royal Astronomical Society, 432, 1319, “VLBI observations of the shortest orbital period black hole binary, MAXI J1659-152”

van der Horst, A.J., Curran, P.A., Miller-Jones, J.C.A., **Linford, J.D.**, et al. 2013, Monthly Notices of the Royal Astronomical Society, 436, 2625, “Detailed Broadband Study of MAXI J1659-152”

Chomiuk, L., **Linford, J.D.**, Yang, J., et al. 2014, Nature, 514, 339, “Binary Orbits as the Driver of Gamma-ray Emission and Mass Ejection in Classical Novae”

**Linford, J.D.**, Ribeiro, V.A.R.M., Chomiuk, L., et al. 2015, The Astrophysical Journal, 805, 136, “The Distance to Nova V959 Mon from VLA Imaging”

Weston, J.H.S., Sokoloski, J.L., Metzger, B.D., Zheng, Y., Chomiuk, L., Krauss, M.I., **Linford, J.**, et al. 2015, Monthly Notices of the Royal Astronomical Society (submitted), arXiv:1505.05879, “Non-Thermal Radio Emission from Colliding Flows in Classical Nova V1723 Aql”

## Proceedings

Linford, J.D., Taylor, G.B., Romani, R.W., Helmboldt, J.F., Readhead, A.C.S., Reeves, R., & Richards, J.L. 2012, 2011 Fermi & Janksy: Our Evolving Understanding of AGN, ed. R. Ojha, D. Thompson, & C. Dermer (St. Michael's, MD), eConf C1111101, arXiv: 1205.0560, “Parsec-Scale Properties of Gamma-Ray Emitting Blazars”

Yang, J., Zsolt, P., O'Brien, T.J., Chomiuk, L., & Linford, J.D. 2015, 12th European VLBI Network Symposium and Users Meeting (Cagliari, Italy), arXiv: 1504.02234, “VLBI detection of internal shocks in nova V959 Mon”

## **Presentations**

“Characteristics of Gamma-Ray Loud Blazars in the VLBA Imaging and Polarimetry Survey”  
26th Annual New Mexico Symposium (November 5, 2010)

“Contemporaneous VLBA 5 GHz Observations of LAT-Detected Blazars”  
27th Annual New Mexico Symposium (October 14, 2011)

“Parsec-Scale Radio Properties of Gamma-Ray Emitting Blazars”  
Fermi & Janksy: Our Evolving Understanding of AGN (November 10, 2011: proceedings listed above)

“Parsec-Scale Radio Properties of Gamma-Ray Bright Blazars”  
AAS meeting 219 (dissertation talk; Januray 9, 2012: abstract# 131.05D)

“High Energy + High Resolution: The Parsec-Scale Radio Properties of Gamma-Ray Emitting Blazars”  
LA-astro invited talk, Los Alamos National Laboratory (September 5, 2012)

“Preliminary Results from Wideband VLBA Observations of Gamma-ray Bright Blazars”  
28th Annual New Mexico Symposium (November 30, 2012)

“Polarization Properties of 24 Fermi-Detected Blazars”  
AAS meeting 221 (January 9, 2013; abstract# 307.01)

“Radio Astronomy: The Dark Side of the Spectrum”  
Invited talk, Texas Tech University Astronomy Seminar (March 8, 2013)

“High Energy + High Resolution: The Parsec-Scale Radio Properties of Gamma-ray Bright Blazars”  
Michigan State University Astronomy Seminar (October 2, 2013)

“Radio Astronomy: The Dark Side of the Spectrum”  
Abrams Planetarium Astronomical Horizons Lecture (October 17, 2013)

“Radio Observations of Gamma-Ray Novae”  
AAS meeting 223 (January 6, 2014; abstract#113.02)

“Radio Observations of the Gamma-ray Nova V959 Mon”  
Compact Objects in Michigan, 2nd meeting (April 25, 2014)

“Everyday Astrophysics”  
Abrams Planetarium Astronomical Horizons Lecture (September 18, 2014)

## **Posters (with published abstracts)**

Suszczynsky, D.M., Pongratz, M.B., Linford, J., and Jacobson, A.R. 2003, American Geophysical Union, Fall Meeting 2003, abstract #AE31B-06, "Dual Satellite Observations of VHF Lightning from GPS Orbit"

McGraw, J., Ackermann, M., Williams, T., Zimmer, P., Gerstle, W., Taylor, M., Turner, J., Smith, J.; Linford, J., Benedict, G., et al. 2007, Proceedings of the Advanced Maui Optical and Space Surveillance Technologies Conference, held in Wailea, Maui, Hawaii, September 12-15, 2007, Ed.: S. Ryan, The Maui Economic Development Board, p.E5, "Measurement Astrophysics and the AF Space Surveillance Mission"

McGraw, J.T., Zimmer, P., Linford, J., Simon, T., and the Measurement Astrophysics Research Group 2009, AAS meeting #213, poster #474.15, "Precision Photometric Extinction Corrections from Direct Atmospheric Measurements"

Linford, J, McGraw, J, Zimmer, P, Ackermann, M, and Fitch, J. 2009, AAS meeting #213, poster #474.32, "AESoP: Astronomical Extinction Spectrophotometer"

Linford, J.D., Taylor, G.B., Romani, R.W., Readhead, A.C.S., Richards, J.L., and Reeves, R. 2011, AAS meeting #217, poster #142.44, "Observations of Gamma-Ray Loud Blazars with the VLBA at 5 GHz"

Van Der Horst, A.J., Kouveliotou, C., Paragi, Z, Linford, J.D., Taylor, G.B., Kuulkер, E., Curran, P.A., Gorosabel, J., Guzly, S., de Ugarte Pastigo, A., Belloni, T., and Miller-Jones, J.C.A. 2011, 12th Meeting of the AAS High Energy Astrophysics Division, poster #13.12, "Detailed Broadband Study of the Shortest Orbital Period Black-hole Binary Maxi J1659-152"

## Astronomer's Telegrams

Van der Horst, A.J., et al. 2010, "Sudden Radio Flux Decline in MAXI J1659-152", ATEL 2918

Chomiuk, L., et al. 2013, "Initiation of Radio/Millimeter Monitoring of Nova Del 2013", ATEL 5298

Nelson, T., et al. 2013, "Further X-ray Observations of Nova Del 2013 with Swift", ATEL 5305

Chomiuk, L., et al. 2013, "Radio/Millimeter Detection of Nova V339 Del", ATEL 5382

Nelson, T., et al. 2014, "Swift X-ray and UV Observations of Nova Cyg 2014", ATEL 6051

Nelson, T. et al. 2014, "Further Multiwavelength Observations of Nova Cyg 2014", ATEL 6108

Nelson, T., et al. 2015, "Early X-ray and radio observations of Nova Sco 2015 implies strong shocks against a red giant wind", ATEL 7085

Linford J., et al. 2015, "Rapid Decline in Radio Flux Density of Nova Sco 2015 Followed By Rise at High Frequencies"