

## Richard S. Camuccio

---

CONTACT	Center for Gravitational Wave Astronomy University of Texas Rio Grande Valley One West University Blvd. Brownsville, Texas 78520, USA Office: Calvary 105C	Email: richard.camuccio01@utrgv.edu Web: www.rcamuccio.com
EDUCATION	<b>University of Texas Rio Grande Valley</b> , Brownsville, TX M.S., Physics, 2016 – present Advisor: Mario C. Díaz Thesis: <i>Searching for Transient Electromagnetic Counterparts to Gravitational Waves</i>  <b>Franklin &amp; Marshall College</b> , Lancaster, PA B.A., Astrophysics, 2012 – 2016 Advisor: Amy L. Lytle Thesis: <i>Controlling Second Harmonic Generation Using Counterpropagating Light</i>	
RESEARCH EXPERIENCE	<b>Graduate Research Assistant</b> Center for Gravitational Wave Astronomy, University of Texas Rio Grande Valley	2016 – present
	<b>Undergraduate Research Assistant</b> Department of Physics and Astronomy, Franklin & Marshall College	2015 – 2016
	<b>Observing Assistant</b> National Undergraduate Research Observatory, Flagstaff, AZ	2015
	<b>Observing Assistant</b> National Undergraduate Research Observatory, Flagstaff, AZ	2013
	<b>Undergraduate Research Assistant</b> Department of Physics and Astronomy, Franklin & Marshall College	2013
	<b>Observing Assistant</b> Joseph R. Grundy Observatory, Franklin & Marshall College	2013 – 2016
PUBLICATIONS	K. Stovall et al. including R. Camuccio, <i>PALFA Discovery of a Highly Relativistic Double Neutron Star Binary</i> , Astrophysical Journal Letters, 854, L22 (2018).  M. C. Díaz et al. including R. Camuccio, <i>Observations of the First Electromagnetic Counterpart to a Gravitational Wave Source by the TOROS Collaboration</i> , Astrophysical Journal Letters, 848, 2 (2017).  B. P. Abbott et al. including R. Camuccio, <i>Multi-messenger Observations of a Binary Neutron Star Merger</i> , Astrophysical Journal Letters, 848, 2 (2017).  A. L. Lytle, R. Camuccio, R. Myer, A. Penfield, and E. Gagnon, <i>Influence of Counterpropagating Light on Phase Matching in Second Harmonic Generation</i> , J. Opt. Soc. Am. B 33, 1538 (2016).  B. Christy, R. Anella, A. Lommen, L. S. Finn, R. Camuccio, and E. Handzo, <i>Optimization of NANOGrav's Time Allocation for Maximum Sensitivity to Single Sources</i> , Astrophysical Journal, 794, 163 (2014)	

CONFERENCES AND LIGO Scientific Collaboration and CGWA Exhibitor, American Association for the Advancement of  
 PROCEEDINGS Science Annual Meeting, Austin, TX, February 2018.

L. Macri, M. C. Díaz, D. G. Lambas, and the TOROS Collaboration, *Observations of the First Electromagnetic Counterpart to a Gravitational Wave Source by the TOROS Collaboration*, IAUS 338: Gravitational Wave Astrophysics: Early Results from GW Searches and Electromagnetic Counterparts, Baton Rouge, LA, October 2017.

R. Camuccio, M. Castillo, J. Garcia, P. Lara, M. C. Díaz, and M. Beroiz, *TOROS Follow-Up Observations During O2 LIGO Observational Run*, The Amazing Life of Stars, Cefalù, Italy, September 2017.

R. Camuccio, R. Myer, A. Penfield, E. Gagnon, and A. L. Lytle, *All-Optical Quasi-Phase Matching of Frequency Doubling Using Counterpropagating Light*, March Meeting of the American Physical Society, Baltimore, MD, March 2016.

A. L. Lytle, E. Gagnon, and R. Camuccio, *Controlling Second Harmonic Generation with Counterpropagating Light*, OSA Frontiers in Optics/DLS Laser Science, Paper JW2A.42, San Jose, CA, October 2015.

R. Camuccio, *Grundy 2.0: The Past and Future of F&M's Observatory*, 35th Annual Central Pennsylvania Consortium Astronomer's Meeting, Dickinson College, April 2015.

F. Crawford et al. including R. Camuccio, *The Arecibo Remote Command Center at Franklin and Marshall College*, Astronomical Society Meeting, 225, 346.03, January 2015.

TEACHING AND MENTORSHIP	<b>Graduate Mentor</b>	2017
	Research Experience for Undergraduates	
	University of Texas Rio Grande Valley	
	<b>Graduate Teaching Assistant</b>	2016
	Introduction to Astronomy II	
	Department of Physics and Astronomy, University of Texas Rio Grande Valley	
	<b>Head Tutor</b>	2016
	Physics and Astronomy	
Quantitative and Science Center, Franklin & Marshall College		
<b>Tutor</b>	2015	
Introduction to Physics I		
Quantitative and Science Center, Franklin & Marshall College		
<b>Lab Assistant</b>	2014 – 2016	
Introduction to Physics I and II		
Department of Physics and Astronomy, Franklin & Marshall College		
<b>Class Preceptor</b>	2015	
First-Year Seminar <i>Quarks to Quasars</i>		
Department of Physics and Astronomy, Franklin & Marshall College		
<b>Student Instructor</b>	2013	
Intermediate and Advanced Physics		
Mid-Atlantic Relativistic Initiative in Education, Franklin & Marshall College		

SCHOOLS AND WORKSHOPS	<b>Gravitational Waves Summer School</b> École de Physique des Houches, Les Houches, France	2018
	<b>Open Science Grid User School</b> University of Wisconsin-Madison, Madison, WI	2017
	<b>Team Leader Workshop</b> Arecibo Remote Command Center Franklin & Marshall College, Lancaster, PA	2017
	<b>Team Leader Workshop</b> Arecibo Remote Command Center University of Texas Rio Grande Valley, Brownsville, TX	2016
	<b>NANOGrav Collaboration Meeting</b> National Radio Astronomy Observatory, Green Bank, WV	2013
LEADERSHIP	<b>Assistant Director</b> Dr. Cristina V. Torres Memorial Astronomical Observatory University of Texas Rio Grande Valley, Brownsville, TX	2016 – present
	<b>Founder</b> F&M Builders Franklin & Marshall College, Lancaster, PA	2015 – 2016
	<b>President</b> Physics and Astronomy Club Franklin & Marshall College, Lancaster, PA	2013 – 2014
HONORS	<b>Joseph R. Holzinger Award</b> Department of Physics and Astronomy, Franklin & Marshall College	2016
SCIENTIFIC INTERESTS	Time domain astrophysics, observational astronomy, optical and infrared photometry, gravitational wave astronomy, pulsar astronomy, nonlinear optics	
PROGRAMMING	Bash, C/C++, HTCondor, HTML/CSS, IRAF, LabVIEW, L <sup>A</sup> T <sub>E</sub> X, Mathematica, Python, Unix	
LANGUAGE	English (native), German (conversational)	