BIOGRAPHICAL SKETCH: Ronald M. Reano

PROFESSIONAL PREPARATION

University of Michigan, Ann Arbor	Nanotechnology	Postdoc	2004-2005
University of Michigan, Ann Arbor	Electrical Engineering	Ph.D.	2004
University of Michigan, Ann Arbor	Electrical Engineering	M.S.	2000
University of New Mexico	Electrical Engineering	B.S.	1996
University of California, Los Angeles	Physics	B.S.	1991

APPOINTMENTS

Professor	Electrical and Computer Engineering The Ohio State University, Columbus	2017-Present
Associate Professor	Electrical and Computer Engineering The Ohio State University, Columbus	2011-2017
Assistant Professor	Electrical and Computer Engineering The Ohio State University, Columbus	2005-2011
Postdoctoral Fellow	Electrical Engineering and Computer Science Solid State Electronics Laboratory University of Michigan, Ann Arbor	2004-2005
Research Assistant	Electrical Engineering and Computer Science Radiation Laboratory and Center for Ultra-fast Optics University of Michigan, Ann Arbor	1999-2004
Teaching Assistant	Electrical Engineering and Computer Science University of Michigan, Ann Arbor	1998-1999
Research Assistant	NASA Microelectronics Research Center University of New Mexico	1996-1998
Analyst	Air Force Operational Test / Evaluation Center Kirtland Air Force Base, New Mexico United States Air Force Active Duty	1992-1996

SELECT PUBLICATIONS

1. Jonathan Tyler Nagy and Ronald M. Reano, "Reducing leakage current during periodic poling of ion-sliced x-cut MgO doped lithium niobate thin films," Optical Materials Express 9, 3146-3155 (2019).

2. Ryan Patton and Ronald M. Reano, "Rotating polarization using Berry's phase in asymmetric silicon strip waveguides," Optics Letters 44, 1166-1169 (2019).

3. R. Patton, M. G. Wood, and R. M. Reano, "Enhanced photoluminescence from ring resonators in hydrogenated amorphous silicon thin films at telecommunications wavelengths," Optics Letters **42**, 4239-4242 (2017).

4. M. Wood, J. R. Burr, and R. M. Reano, "7 nm/V DC tunability and millivolt scale switching in silicon carrier injection degenerate band edge resonators," Optics Express **24**, 23481-23493 (2016).

5. J. R. Burr, M. G. Wood, and R. M. Reano, "Experimental verification of degenerate band edge dispersion in silicon photonic integrated circuits," IEEE Photonics Journal **8**, 1-10 (2016).

6. L. Chen, J. Nagy, and R. M. Reano, "Patterned ion-sliced lithium niobate for hybrid photonic integration on silicon," Optics Materials Express **7**, 2460-2467 (2016).

7. L. Chen, J. Chen, J. Nagy, and R. M. Reano, "Highly linear ring modulator from hybrid silicon and lithium niobate," Optics Express **23**, 13255-13264 (2015).

8. J. R. Burr and R. M. Reano, "Zero-coupling-gap degenerate band edge resonators in silicon photonics," Optics Express **23**, 30933-30942 (2015).

9. L. Chen, M. G. Wood, and R. M. Reano, "Compensating thermal drift of hybrid silicon and lithium niobate ring resonances," Optics Letters **40**, 1599-1602 (2015).

10. M. G. Wood, Justin R. Burr, and R. M. Reano, "Degenerate band edge resonances in periodic silicon ridge waveguides," Optics Letters **40**, 2493-2496 (2015).

11. Q. Xu, L. Chen, M. Wood, and R. M. Reano, "Electrically tunable optical polarization rotation on a silicon chip using Berry's phase," Nature Communications **5**, 5337 (2014).

12. L. Chen, Q. Xu, M. G. Wood, and R. M. Reano, "Hybrid silicon and lithium niobate electro-optical ring modulator," Optica **1**, 112-118 (2014).

13. L. Chen, M. G. Wood, and R. M. Reano, "12.5 pm/V hybrid silicon and lithium niobate optical microring resonator with integrated electrodes," Optics Express **22**, 27003-27010 (2013).

14. J. Burr, N. Gutman, C. Martijn de Sterke, Ilya Vitebskiy, and R. M. Reano, "Degenerate band edge resonances in coupled periodic silicon optical waveguides," Optics Express **21**, 8736-8745 (2013).

15. L. Chen and R. M. Reano, "Compact electric field sensors based on indirect bonding of lithium niobate to silicon microrings," Optics Express **20**, 4032-4038 (2012).

16. M. Wood, P. Sun, and R. M. Reano, "Compact cantilever couplers for low-loss fiber coupling to silicon photonic integrated circuits," Optics Express **20**, 164-172 (2012).

SYNERGISTIC ACTIVITIES

1. 2015-Present: Associate Editor, Optics Express.
2. 2015: Program Co-Chair, Frontiers in Optics Conference (OSA Annual Meeting).
3. 2013-2014: Subcommittee chair, Frontiers in Optics Conference, Integrated Photonics.
4. 2011-2012: Subcommittee member, Frontiers in Optics, Integrated Photonics.
5. 2011-2012: Conference committee, IEEE Photonics Society Annual Meeting.