

Curriculum Vitae

Essential Information

Name: Georgios A. Siviloglou

Position: Associate Researcher (PI)

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Research Field: Experimental ultracold atoms and quantum gases

Educational Background

2007.05-2010.08, Ph.D. in Optics, University of Central Florida, USA

2004.08-2007.05, Master in Optics, University of Central Florida, USA

1996.10-2003.07, Diploma in Electrical Engineering, National Technical University of Athens, Greece

Working Experience

2018.09- present, Associate Researcher, Southern University of Science and Technology, China

2014.04-2018.04, Postdoc, Institute of Physics, University of Amsterdam, The Netherlands

2013.08-2014.03, Research Scientist, Massachusetts Institute of Technology, USA

2010.08-2013.08, Postdoctoral Associate, Massachusetts Institute of Technology, USA

Papers and Patents

(18). Adiabatic Cooling of Bosons in Lattices to Magnetically Ordered Quantum States. J. Schachenmayer, D. M. Weld, H. Miyake, G. A. Siviloglou, W. Ketterle, and A. J. Daley, *Physical Review A* 92, 041602(R) (2015)

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- (10). Curved Plasma Channel Generation Using Ultraintense Airy Beams, P. Polynkin, M. Kolesik, J. V. Moloney, G. A. Siviloglou, and D. N. Christodoulides, *Science* 324, 229-232 (2009)
- (9). Observation of PT-Symmetry Breaking in Complex Optical Potentials, A. Guo, G. J. Salamo, D. Duchesne, R. Morandotti, M. Volatier-Ravat, V. Aimez, G. A. Siviloglou, and D. N. Christodoulides, *Physical Review Letters* 103, 093902 (2009)
- (8). Exact X-Wave Solutions of the Hyperbolic Nonlinear Schrödinger Equation with a Supporting Potential, N. K. Efremidis, G. A. Siviloglou, and D. N. Christodoulides, *Physics Letters A* 373, 4073 (2009)
- (7). Ballistic Dynamics of Airy Beams, G. A. Siviloglou, J. Broky, A. Dogariu, and D. N. Christodoulides, *Optics Letters* 33, 207-209 (2008)
- (6). Self-Healing Properties of Optical Airy Beams, J. Broky, G. A. Siviloglou, A. Dogariu, and D. N. Christodoulides, *Optics Express* 16, 12880-12891 (2008)
- (5). Observation of Accelerating Airy Beams, G. A. Siviloglou, J. Broky, A. Dogariu, and D. N. Christodoulides, *Physical Review Letters* 99, 213901 (2007)
- (4). Accelerating Finite Energy Airy Beams, G. A. Siviloglou and D. N. Christodoulides, *Optics Letters* 32, 979-981 (2007)
- (3). Observation of One- and Two-Dimensional Discrete Surface Spatial Solitons, S. Suntsov, K. G. Makris, G. A. Siviloglou, R. Iwanow, R. Schiek, D. N. Christodoulides, G. I. Stegeman, R. Morandotti, H. Yang, G. Salamo, M. Volatier, V. Aimez, R. Ares, M. Sorel, Y. Min, W. Sohler, X. S. Wang, A. Bezryadina, and Z. G. Chen, *Journal of Nonlin. Opt. Phys. & Mat.* 16, 401-426 (2007)
- (2). Observation of Discrete Quadratic Surface Solitons, G. A. Siviloglou, K. G. Makris, R. Iwanow, R. Schiek, D. N. Christodoulides, G. I. Stegeman, Y. Min, and W. Sohler, *Optics Express* 14, 5508-5516 (2006)
- (1). Enhanced Third-Order Nonlinear Effects in Optical AlGaAs Nanowires, G. A. Siviloglou, S. Suntsov, R. El-Ganainy, R. Iwanow, G. I. Stegeman, D. N. Christodoulides, R. Morandotti, D. Modotto, A. Locatelli, C. De Angelis, F. Pozzi, C. R. Stanley, and M. Sorel, *Optics Express* 14, 9377-9384 (2006)
- (Patent 1). Diffraction Free, Self-Bending Airy Wave Arrangement, Demetrios Christodoulides, Aristide Dogariu, and Georgios Siviloglou, US 8,101,929 B1 (2012)