

## Pravini S. Fernando

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CONTACT INFORMATION	Full Name: Muthunama Gonnage Pravini Samiddika Fernando email: pfernan4 AT binghamton DOT edu
EDUCATION	<b>State University of New York - Binghamton</b> , NY, USA Ph.D., Physics, August 2017 - Present (GPA: 4.00/4.00) <b>University of Colombo</b> , Sri Lanka B.S., Physics (Major), July 2017 (GPA: 3.92/4.00) <b>Visakha Vidayala,,</b> Colombo-05, Sri Lanka Advance Levels(A/Ls), 2011 <b>Holy Family Convent</b> , Colombo-04, Sri Lanka Primary education, Ordinary Levels(O/Ls), 2008
PUBLICATIONS	<ol style="list-style-type: none"><li>1. “Colocalized nanoscale electrical and compositional mapping of organic solar cells” by Jeremy S. Mehta, <b>Pravini S. Fernando</b>, John L. Grazul, Jeffrey M. Mativetsky. In: ACS Applied Energy Materials (2019).</li><li>2. “Nonlinear optical properties of photonic crystals” by <b>Pravini S. Fernando</b> and K.A.I.L. Wijewardena Gamalath. In: World Scientific News, volume 97, 1-27 (2018).</li><li>3. “Modelling All-Optical Switching and Limiting Properties of AlAs Photonic Crystals” by <b>Pravini S. Fernando</b> and K.A.I.L. Wijewardena Gamalath. In: International Letters to Chemistry Physics and Astronomy, volume 77, 1-14 (2018).</li><li>4. “Simulating all optical switching based on 2-D nonlinear GaAs photonic crystals with side coupled microcavities” by <b>Pravini S. Fernando</b> and K.A.I.L. Wijewardena Gamalath. In: 2017 International Conference on Computational Modeling &amp; Simulation (ICCMS-2017).</li></ol>
AWARDS AND SCHOLARSHIPS	<ul style="list-style-type: none"><li>• Harpur First Year Graduate Award, SUNY Binghamton. (2017)</li><li>• Dr. C. A. Hewawitharana memorial prize for Physics. (2017)</li><li>• Gulamhusein A.J. Noorbhai prize for Physics Research. (2017)</li><li>• Joseph Nalliah Arumugum memorial prize for Highest Academic Competence in Faculty of Science, University of Colombo. (2017)</li><li>• Mailvaganam memorial prize for Physics. (2017)</li></ul>
EXPERIENCE	<ul style="list-style-type: none"><li>• Graduate Teaching Assistant (Physics), Harpur College, SUNY Binghamton.(Fall-2017 - present)</li><li>• Temporary Lecturer, Department of Physics, University of Colombo. (2017)</li></ul>
SKILLS	<ul style="list-style-type: none"><li>• AFM(Atomic Force Microscopy), MATLAB</li></ul>