

Pravini S. Fernando

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