

Prof. H. Odhiambo Oyoko, Ph.D.
Chairman, Department of Mathematics and Physics.
B.S. 1975, University of Nairobi, Kenya.
M.S. 1987, Fairleigh Dickinson University, New Jersey,
U.S.A.
Ph.D. 1991, University of Maine, Orono, Maine, U.S.A.
(Theoretical Condensed Matter Physics)
Office: Romm 523 New Admin Building
Phone: +254 41 7522 498/059
Email: h.oyoko@pwaniuniversity.ac.ke
karabondi@yahoo.com



Our research has been in the area of “Impurity States, Transport, Electronic and Optical Properties of Semiconductor Nanostructures” such as GaAs/G_{1-x}Al_xAs Quantum Wells and Quantum Dots. We are also interested in research in Loop Quantum Gravity and String/M-Theory.

We have just completed a paper titled, “Comparative Study of the Effect of Temperature and Uniaxial Stress on Donor Impurity Binding Energy”. From September 2012 we have been working on a study that involves effect of spatial dielectric function on some properties of GaAs QWD.

We will be glad to work with you towards your M.S. and Ph.D. degrees should you choose to come to study for these degrees here at PUC.

Selected Publications

1. H. Odhiambo Oyoko, C.A. Duque, N. Porrás-Montenegro, J. Appl. Phys. 90, 819 (2001).
2. H. Odhiambo Oyoko, Physica Scripta Vol. 66, 94-96 (2002)
3. H. Odhiambo Oyoko, C.A. Duque, and N. Porrás-Montenegro, Ind. J. Pure and Applied Phys. 42, 908-911 (2004).
4. H. Odhiambo Oyoko, C.A. Duque and N. Porrás-Montenegro, Phs.Stat. Sol. (c) 4, 298-300.