

Nwakanma Onyekachi Michael

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Education Background

- **University of Nigeria, Nsukka, Nigeria (M.Sc., Solid State Physics) March, 2014**
- **University of Nigeria, Nsukka, Nigeria (B.Sc., Computer Science/Physics) August, 2008**
- **St. Augustine's Seminary, Abia State, Nigeria (West African Senior Secondary School Certificate) May, 2001**

Current Academic status

- Doctoral studies at Sección de Electrónica del Estado Sólido in Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional (CINVESTAV-IPN)
Thesis Director: Dr. Velumani Subramaniam.

Conferences/Programs Attended

- XXVI International Materials Research Congress (**IMRC 2017**) August 20th -25th, 2017
- 1st International African Conference/Workshop on the Applications of Nanotechnology to Energy, Environment and Health. March 23rd-29th 2014

List of Research Activities and Publications

- **M. Nwakanma**, P. Reyes-Figueroa, J. Vega, S. Velumani; Electrical properties of DC sputtered Molybdenum films: Effect of sputtering power and pressure. Presentation at the XXVI International Materials Research Congress in Cancún, México, August 20-25, **2017**
- **M. Nwakanma**, P. Reyes-Figueroa, J. Vega, S. Velumani; Synthesis and characterization of CIGSE powders from compound precursors. Presentation at the XXVI International Materials Research Congress in Cancún, México, August 20-25, **2017**
- Chijioke P., **Nwakanma M.**, Ogazu E., Nneji E., Possible inverse isotope effect in high T_c superconductors using the non-variational quasi-particle formulation. IOSR Journal of Applied Physics Vol. 7 (2015) pp 27 -30
- Chijioke P., **Nwakanma M.**, Ogazu E., Spinor transformation and antiferromagnetism in iron based superconductors. IOSR Journal of Applied Physics 7 (2015) pp 36-38
- Chijioke P., **Nwakanma M.**, Ogazu E., Chikwendu A., Nneji E., Benneth N.: Magnetism in iron based superconductors at superconductivity regime: Journal of Sciences and Multidisciplinary Research, 6, (2014) 2
- Animalu A.O.E., **Nwakanma M.**, Akpojotor E; Geno-superconductivity of quasicrystals; African Journal of Physics, 6 (2013)
- Superconductivity in iron pnictide using generalized Bardeen-Cooper-Schrieffer model and theory in Green's function method. Thermodynamic properties: transition temperature, energy gap, specific heat, upper and lower critical fields of thirty random systems. (M.Sc. Thesis)