

EXPERT'S PROFILE

Name of Grantee : **Dr. FELIXBERTO A. BUOT**
Area of Expertise : theoretical condensed matter physics
Inclusive Date of Contract as BSP Awardee : Long-Term Program
: 01 March 2017- 01 March 2019 (2 years)
Host Institution : University of San Carlos – Talamban Campus
E-mail Address : fbuot@gmu.edu



EDUCATIONAL BACKGROUND

- **MS Electrical Engineering**, 1980, Stanford University
- **PhD Theoretical Condensed Matter Physics**, 1970, University of Oregon, USA
- **MS Experimental Nuclear Physics**, 1965, UP Diliman
- **BS Mechanical Engineering**, 1960, Cebu Institute of Technology

WORK EXPERIENCES

- 2009 - Present
George Mason University, Fairfax, Virginia, USA
Affiliate Professor
C&LB Research Institute, Carmen, Cebu City
Founding Director
- 2003 – 2009
George Mason University, Fairfax, Virginia, USA
Research professor
- 1982 - 2003
Electronics S&T Division, Naval Research Lab, Washington DC.
Research Physicist IV
- 1980 - 1982
Cornell University, Ithaca, New York, USA
Research Associate
- 1974 - 1975
Dept. of Physics, St. Francis Xavier, Canada
Senior Research Fellow
- 1960 – 1962
Dept. of Mechanical Engg, Cebu Institute of Technology
Mechanical Eng'g Instructor

To be Accomplished as a BSP Awardee

1. Lectures on Topological Insulators and Superconductors, Quantum Field Theory of Condensed Matter, Statistical Physics and Quantum Transport Physics
2. Advanced Research Seminars for M.S and Ph.D. students
3. Tutorial Sessions for MS and Ph.D. students
4. Computer Program Code Development
5. Ph.D. & M.S. Thesis Advising
6. Research Proposal for Funding
7. Research Manuscripts for Publication
8. R&D in Energy Harvesting: High-Efficiency Design Rules