

EXPERT'S PROFILE

Name of Grantee : Dr. FELIXBERTO A. BUOT
Area of Expertise : theoretical condensed matter physics
Inclusive Date of Contract : Short-Term Program
as BSP Awardee : 01 July – 30 September 2016 (90 days)
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. Writing and packaging of research proposals on nanodevice transport physics to be submitted to PCIEERD for funding
7. Research Manuscripts for Publication
8. R&D in Energy Harvesting: High-Efficiency Design Rules
9. Collaboration on the PCIEERD – DOST project entitled “Development of Ink Using Carbon from Straight Pyrolysis of Glycerol as Electrodes in Printed Circuit Electronics”
10. Collaboration on CHED PCARI (endorsed by PCIEERD-DOST) project entitled “Cost-Effective Manufacturing Using Printing Fabrication Technologies for Energy Generation, Conditioning and Monitoring Devices”