

EXPERT'S PROFILE



Name of Grantee : **DR. FELIXBERTO A. BUOT**
Area of Expertise : Theoretical condensed matter physics
Inclusive Date of Contract as BSP Awardee : Short-Term Program
15 July – 15 October 2015
Host Institution : University of San Carlos (USC) - Talamban Campus

EDUCATIONAL BACKGROUND

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

PROFESSIONAL EXPERIENCE

- 2009 – Present **George Mason University, Fairfax, Virginia, USA**
Affiliate Professor
C&LB Research Insitute, 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 **Department of Physics, St. Francis Xavier, Canada**
Senior Research Fellow
- 1960 - 1962 **Department of Mechanical Engg. Cebu Institute of Technology**
Mechanical Eng'g Instructor

ACCOMPLISHMENTS AS BSP AWARDEE

1. PUBLICATION (3)

- Spin Magnetization Quantum Transport Equations: Coupled Nonequilibrium Spin and Charge Correlations.
- None-equilibrium Multi-Band Spin Quantum Transport: Spin, Pseudo-Spin, and Charge Coupling
- Interacting Particles and Fields in Quantum Transport Physics

2. PRESENTATIONS MADE (1)

- Lecture on Statistics of Spin Systems and Statistical Field Theory

3. PROPOSALS DEVELOPED (1)

- Nonequilibrium Quantum Transport Physics in Nanoelectronics, Spintronics, and Thermoelctronics (Kapitza Resistance)