

## EXPERT'S PROFILE

**Name of Grantee** : **FELIXBERTO A. BUOT, PhD**  
**Area of Expertise** : Physics (Theoretical Condensed Matter Physics)  
**Inclusive Dates of Contract as BSP Awardee** : Short-Term Program  
15 July to 15 October 2014  
**Host Institution** : University of San Carlos  
**Email address** : buot[at]gmu.edu

## EDUCATIONAL BACKGROUND

**MS in Electrical Engineering**, Stanford University, 1980  
**PhD in Theoretical Condensed Matter Physics**, University of Oregon, 1970  
**MS in Experimental Nuclear Physics**, University of the Philippines, 1975  
**BS in Mechanical Engineering**, Cebu Institute of Technology, 1960

## PROFESSIONAL EXPERIENCE

October 2009 - present **Affiliate Professor**  
2003 - 09 **Research Professor**  
George Mason University  
Fairfax, VA

2001 - 02 **Research Fellow**  
CFD Research Corporation  
Huntsville, AL

1982 - 2003 **Research Physicist IV**  
Electronics Science and Technology Division  
Naval Research Laboratory  
Washington DC

1980 - 82 **Research Associate**  
Laboratory of Atomic and Solid State Physics & NRRFSS  
Cornell University  
Ithaca, NY

1978 - 80 **Stanford and Industrial Affiliates Fellowship and  
Stanford Research Assistantship**  
Stanford University

1976 - 78 **Science Education Consultant**  
Division of Education and Training  
National Science Development Board (now DOST)

1976 - 78 **Professorial Lecturer**  
University of the Philippines

1975 - 76 **Visiting Scientist**  
Department of Physics  
University of Southern California  
Los Angeles, CA

**1974 - 75 Senior Research Fellow**

Department of Physics  
St. Francis Xavier University  
Nova Scotia, Canada

**1973 - 74 Research Associate**

McGill University  
Montreal, Canada

**1973 ICTP Research Fellow**

**1972 UNESCO Research Fellow**

International Center for Theoretical Physics  
Trieste, Italy

**1971 - 73 Senior Scientist and Science Education Consultant**

Department of Education and Training  
National Science Development Board (now DOST) and  
University of the Philippines

**1971 - 72 Professorial Lecturer**

University of the Philippines

**1970 - 71 Postdoctoral Research Associate**

Westfield College  
University of London

**1967 - 70 Research Assistant through NSF Grant**

University of Oregon

**1966 - 70 NSDB Scholarship for Study Abroad**

National Science Development Board (now DOST)

**1964 - 66 Physics Instructor**

University of the Philippines

**1960 - 62 Mechanical Engineering Instructor**

Cebu Institute of Technology

**TO BE ACCOMPLISHED AS BS AWARDEE**

1. A working computer code for the simulation of various nanostructures and nanodevice designs, and to serve in the computer experiments of novel nanostructures/nanodevices;
2. Publications in leading international research journals and prestigious online archival publications;
3. Computer program instruction manuals that will allow further evolution of the numerical and simulation techniques by succeeding generation of researchers; and
4. MS Physics and Engineering graduates, and future PhD Physics graduates.