

EXPERT'S PROFILE

Name of Grantee : **DR. FELIXBERTO A. BUOT**
Area of Expertise : Physics
Inclusive Date of Contract as BSP Awardee : 15 July – 2 October 2009
Host Institution : University of San Carlos (USC)
Contact Number : 0915-4036416
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EDUCATIONAL BACKGROUND

- PhD in Theoretical Solid-State Physics, University of Oregon, USA, 1970
- MS in Electrical Engineering, Stanford University, 1980
- MS in Experimental Nuclear Physics, University of the Philippines, 1965
- BS in Mechanical Engineering, Cebu Institute of Technology, 1960

WORK EXPERIENCE

- **Nov 2003** - **Research Professor**
Current George Mason University, Fairfax, Virginia, USA
 - **Sept 2002** - **Research Fellow**
Oct 2001 CFD Research Corporation, Huntsville, Alabama
 - **Oct 1982** - **Research Physicist**
Oct 2003 Electronics Science and Technology Division
Naval Research Laboratory, Washington, D.C.
 - **June 1980** - **Research Associate**
Oct 1982 Laboratory of Atomic and Solid State Physics
Cornell University, Ithaca, New York
 - **Aug 1978** - **Stanford and Industrial Affiliates and Assistantship**
June 1980 Solid State Electronics Lab and Applied Electronics Lab
Stanford University
 - **Apr 1976** - **Science Education Consultant**
Aug 1978 Division of Education and Training
Philippine National Science Development Board
- Professorial Lecturer**
University of the Philippines

To be accomplished as BSP Awardee:

- Teach a graduate seminar course entitled “Nonequilibrium Quantum Physics of Open Nanosystems and Nanodevices” and conduct student research advising and research collaboration
- Collaborate with Dr. Otadoy, Chair of the Department of Physics, on theoretical research in graphene, mesoscopic superconductivity, spintronics, light harvesting for solar cell applications
- Explore a research collaboration between the University of San Carlos and Vrije Universiteit-Amsterdam
- Join in the formulation of the research proposal to be submitted to the European Union for funding
- Together with some USC Physics faculty, formulate a research proposal to be submitted to DOST for funding.