

EXPERT'S PROFILE



Name of Grantee : **DR. DANILO B. ROMERO**

Area of Expertise : Physics

Inclusive Date of Contract as BSP Awardee : July 6-25, 2009 (Phase I)
June 2-16, 2010 (Phase II)
Short-Term Program

Host Institution : National Institute of Physics
University of the Philippines - Diliman

Contact Details : dbromero@lps.umd.edu

EDUCATIONAL BACKGROUND

- Ph.D. in Physics, University of Maryland, College Park, USA 1989
- B.S. in Physics, University of the Philippines, Diliman, Q.C. 1983
- B.S. in Electrical Engineering, University of the Philippines, Diliman, Q.C. 1981

WORK EXPERIENCE

- **2004 – present** - **Senior Research Scientist and Instructor**
Department of Electrical and Computer Engineering
University of Maryland, College Park, MD
- **1996 – 2004** - **Senior Research Scientist**
Department of Physics
University of Maryland, College Park, MD
- **1999 – 2007** - **Visiting Professor**
Laboratory of Optoelectronics of Molecular Materials
Ecole Politechnique Federale de Lausanne, Switzerland
- **1993 – 1996** - **Senior Research Scientist**
Department de Physique
Ecole Politechnique Federale de Lausanne, Switzerland
- **1991 – 1993** - **Assistant Professor**
Department of Physics
Virginia Tech, Blacksburg, VA
- **1989 – 1991** - **Post- Doctoral Research Associate**
Department of Physics
University of Florida, Gainesville, FL
Advisor: Dr. David B. Tanner

To be accomplished as BSP Awardee:

1. Train researchers on the science and engineering of solar energy devices via the workshops on "Photovoltaic Devices: Science and Engineering", with lecture notes to be distributed to participants;
2. Possibly establish a laboratory for testing and characterization of photovoltaic devices;
3. Implement a collaborative research and development program on solar energy harvesting technology; and
4. Continue the initiated collaborative work among the following: NIP-UP Diliman, De La Salle University, Ateneo de Manila University and his team at the University of Maryland.