

## EXPERT'S PROFILE

**Name of Grantee** : **TEOFILO A. ABRAJANO, Jr., PhD**  
**Area of Expertise** : Environmental Sciences  
**Inclusive Date of Contract as BSP Awardee** : Short-Term Program  
Phase I: 29 February - 16 March 2012  
Phase II: Pending  
**Host Institution** : DOST-PAGASA  
**Email Address** : tabrajan@nsf.gov

## EDUCATIONAL BACKGROUND

**PhD in Earth and Planetary Sciences**, Washington University, 1984  
**MS in Earth Sciences**, University of Akron 1981  
**BS in Geology**, University of the Philippines, 1977

## PROFESSIONAL EXPERIENCE

February 2012 – present	<b>Acting Director</b> Division of Earth Sciences (GEO) US National Science Foundation
2010 – 2012	<b>Head</b> Surface Earth Processes Section Division of Earth Sciences (GEO) US National Science Foundation
July 2001 - Oct 2010	<b>Director</b> Environmental Science Program Rensselaer Polytechnic Institute Troy, NY
1998 – 2010	<b>Professor</b> Department of Earth and Environmental Sciences Rensselaer Polytechnic Institute Troy, NY
2007 – 2009	<b>Head</b> Surface Earth Processes Section Division of Earth Sciences (GEO) US National Science Foundation

## TO BE ACCOMPLISHED AS BS AWARDEE:

- Establish overall changes in precipitation patterns and characteristics, especially as these relate to ENSO, MJO, ITCZ patterns;
- Combine output *with* data on land use and land cover (e.g., soil, vegetation, built environments), recharge characteristics, geology/structure, built environments and human habitation to assess hazard risks in select areas; and
- Establish baseline and case examples for use at the Advanced Study Institute.