

EXPERT'S PROFILE

Name of Grantee : **DR. CHELO S. PASCUA**

Area of Expertise : Environmental Mineralogy
and Geochemistry

**Inclusive Date of Contract
as BSP Awardee** : October 2008 – October 2010
(Long Term Category)

Host Institution : National Institute of Geological Sciences
University of the Philippines-Diliman

Contact Details : 0927-976-4759 / cpascua@nigs.upd.edu.phr



EDUCATIONAL BACKGROUND

- Ph.D. Environmental Mineralogy and Geochemistry Kanazawa University, Ishikawa, Japan, 2006
- M.S. Geology-Hydrogeology, University of the Philippines, Diliman, 2001
- B.S. Geology, University of the Philippines, Diliman, 1997

WORK EXPERIENCE

- **June 2008 to present** - **Assistant Professor VI**
National Institute of Geological Sciences
University of the Philippines Diliman
- **April 2006 to March 2008** - **Postdoctoral Researcher**
Nanostructure Control Research Group
Photocatalytic Materials Center
National Institute for Materials Science
1-1 Namiki, Tsukuba City, Ibaraki, JAPAN
- **April 2003 to March 2006** - **Research and Teaching Assistant**
Department of Earth Science
Faculty of Science, Kanazawa University
Kakuma, Kanazawa City, Ishikawa JAPAN
- **May 2002 to November 2002** - **Instructor VII**
National Institute of Geological Sciences
University of the Philippines-Diliman
- **August 2001 to April 2002** - **Technical Manager/Hydrogeologist**
GEOS Incorporated, Quezon City
- **July 1997 to June 2001** - **Univ. Research Associate I**
National Institute of Geological Sciences
University of the Philippines-Diliman
- **April 1997 to May 1997** - **Field Geologist/Drilling Manager**
Pilipinas Geotecnica Corporation
Quezon City, Philippines

To be accomplished as BSP Awardee:

- Utilize his expertise to let the physics/computer science students participate in his research program on time series analysis of biophysical data.
- Deliver a lecture at the Fifth Jagna Workshop sponsored by the Research Center for Theoretical Physics to be attended by 30-40 physics graduate students from whom he will select his future collaborators.
- Set-up a research laboratory dedicated in the study of clay materials and their foreseen use in nanotechnology. The main target of this research is to develop novel functionalities in commonly available materials such as clay materials through nanotechnology.