

DEPARTMENT OF SCIENCE AND TECHNOLOGY
SCIENCE EDUCATION INSTITUTE
Bicutan, Taguig City

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INFORMATION SHEET
for the

ACCELERATED SCIENCE & TECHNOLOGY HUMAN RESOURCE DEVELOPMENT PROGRAM
2008-2009 GRADUATE SCIENCE AND TECHNOLOGY SCHOLARSHIPS

TYPE OF SCHOLARSHIP APPLIED FOR:

- ☒ MS ☐ PhD ☐ Thesis Grant ☐ Dissertation Grant ☐ Research Enrichment Program

FORM A

I. PERSONAL INFORMATION

a. SALAPARE HERNANDO III SIX
Last Name First Name Middle Name

b. 9534 Masilang St., Guadalupe Nuevo, Makati City
Permanent Address No. Street District City/Municipality Province

c. 1212 jethrosy@gmail.com / hsalapare@nip-upt.edu-ph
Zip Code Passport No. E-mail Address

d. Plasma Physics Laboratory, National Institute of Physics, UP Diliman, QC, 1101
Mailing Address

e. 09275062148
Telephone Nos. (Landline/Mobile) Fax No.

f. Single March 4, 1984 24 Male
Civil Status Date of Birth Age Sex

g. Hernando L. Salapare Sr. Ana S. Salapare
Name of Parents (Father) (Mother)

9534 Masilang St., Guadalupe Nuevo, Makati City
Address

II. INFORMATION ON SCHOLARSHIP PREVIOUSLY AVAILED
(If not availed, skip this part and proceed to Part III)

a. Scholarship Program (Please check) b. Year of Award 2001

(☒) RA 7687 Scholarship Program
() DOST-SEI Merit Scholarship Program
() Junior Level Assistance Program in Engineering (JLAP)
() DOST Council, please specify

c. Course/Degree On-going: Year Level:
Completed: BS Applied Physics

d. University: University of the Philippines Diliman

III. GRADUATE SCHOLARSHIP INTENTIONS DATA

New Entrant

a. University where you intend to enroll for graduate studies
b. Course/Degree

Lateral Entrant

a. University enrolled in University of the Philippines Diliman
b. Course Degree Master of Science in Physics
c. Number of units earned 10 d. Semester/Term of last enrollment 2nd /Ay 07-08

Thesis/Dissertation

Has your research topic been approved by the panel? ☐ Yes ☒ No
Title
Date of last enrollment in thesis/dissertation

HERNANDO SIY SALAPARE III

V. CURRENT PROFESSIONAL AFFILIATIONS

ORGANIZATION NAME	ADDRESS	POSITION	DURATION
Plasma Physics Laboratory	National Institute of Physics, UP Diliman	Science Research Assistant	Nov 2007 – present
Plasma Physics Laboratory	National Institute of Physics, UP Diliman	Undergraduate Researcher	2005-October 2007

VI. PUBLICATIONS

TITLE OF ARTICLE/PUBLICATION	PLACE/TIME OF PUBLICATION	NATURE OF INVOLVEMENT
Low Energy Hydrogen Ion Shower (LEHIS) Treatment of Polytetrafluoroethylene (PTFE) Materials	Applied Surface Science (ISI Journal), waiting for the final decision of the editor (2008)	Main Author
The Porosity and Wettability Properties of Hydrogen Ion Treated Polytetrafluoroethylene	Proceedings of the 6 th International Symposium on Contact Angle, Wettability, and Adhesion [Special Edition of Journal of Adhesion Science and Technology (ISI Journal)], University of Maine, Orono, Maine, U.S.A, accepted for publication and oral presentation (July 14-16, 2008)	Main Author
Optical Characterization of Hydrogen Ion Treated Polytetrafluoroethylene (Teflon) Materials	Proceedings of the 25th Samahang Pisika ng Pilipinas Physics Congress, ISSN 1656-2666 Vol. 4, October 2007.	Main Author
Dynamic Contact Angle Measurements on Various Fabric Surfaces Using a Simple Optical Vision System	Proceedings of the 25th Samahang Pisika ng Pilipinas Physics Congress, ISSN 1656-2666 Vol. 4, October 2007.	Main Author
Low Energy Hydrogen Ion Shower (LEHIS) Treatment of Polytetrafluoroethylene (Teflon) Materials	BS Applied Physics Thesis, University of the Philippines Diliman (October 2007)	Main Author

HERNANDO SIY SALAPARE III

VII. RESEARCH AND DEVELOPMENT INVOLVEMENT

FIELD AND TITLE OF RESEARCH	LOCATION/DURATION	FUND SOURCE	NATURE OF INVOLVEMENT
Plasma Physics, Gas Discharge Ion Source (GDIS) Applications: Biomedical Materials	Plasma Physics Laboratory, National Institute of Physics (NIP), University of the Philippines Diliman (UPD), November 2007 – Present	NIP-UPD	Main Proponent
Plasma Physics, Polymer Treatment of Low Energy Ions from a Gas Discharge Ion Source	Plasma Physics Laboratory, National Institute of Physics (NIP), University of the Philippines Diliman (UPD), November 2007 – Present	DOST-PCASTRD	Science Research Assistant
Plasma Physics, Low Energy Hydrogen Ion Shower (LEHIS) Treatment of Polytetrafluoroethylene (Teflon) Materials	Plasma Physics Laboratory, National Institute of Physics (NIP), University of the Philippines Diliman (UPD), 2005-2007	NIP-UPD	Main Proponent
Plasma Physics/Optical Physics, Optical Characterization of Hydrogen Ion Treated Polytetrafluoroethylene (Teflon) Materials	Plasma Physics Laboratory/Instrumentation Physics Laboratory, National Institute of Physics (NIP), University of the Philippines Diliman (UPD), June-October 2007	NIP-UPD	Main Proponent
Instrumentation Physics, Dynamic Contact Angle Measurements on Various Fabric Surfaces Using a Simple Optical Vision System	Advanced Physics Laboratory, National Institute of Physics (NIP), University of the Philippines Diliman (UPD), November 2006-March 2007	NIP-UPD	Main Proponent

VIII. AWARDS RECEIVED

Recipient of Leticia Shahani Award for Best Undergraduate Thesis in Applied Physics, College of Science, University of the Philippines Diliman, 2007-2008		
2001-2007 Department of Science and Technology Scholarship Award (Republic Act 7687)		
1 st Semester, AY 2003-2004	College Scholar (GWA = 1.68)	College of Science, UP Diliman
1 st Semester, AY 2006-2007	College Scholar (GWA = 1.48)	College of Science, UP Diliman
2 nd Semester, AY 2006-2007	College Scholar (GWA = 1.60)	College of Science, UP Diliman
1 st Semester, AY 2007-2008	College Scholar (GWA = 1.69)	College of Science, UP Diliman