Research Accomplishment Report

Photonics Research Laboratory
National Institute of Physics
(January 1, 2013 – December 31, 2013)

Percival F. Almoro, Ph. D.
Program Coordinator

SUMMARY
Publications in ISI/SCI Journals (2)
Publications in International Conference Proceedings (6)
Publications in Local Conference Proceedings (13)
Participations in Local Science Exhibits and Workshops (4)
List of Graduates (BS: 6)
List of Resident Members (23)
External Collaborators (1)
Awardees (1)

Publications in ISI/SCI Journals (2)

Publications in International Conference Proceedings (6)
Publications in Local Conference Proceedings (13)


Participations in Local Science Workshops/Extension Work (4)

1. P. F. Almoro, “Writing Scientific Articles and Scientific Mentoring and Formation of Research Groups,” Regional Training Workshop on Research Upgrading and
Performance Evaluation, Hotel Casablanca, Legaspi City (December 17, 18, 2013) (Invited speaker)


List of Graduates (Bachelor of Science in Physics / Applied Physics (6))

1. Krizia Isabel A. Lampa
   Thesis title: Energy transfer mechanism and plasma parameters of helium, neon and helium-neon glow discharges through optical emission soectroscopy (Date defended: April 1, 2013)

2. Mark Ashley D. dela Rosa
   Thesis title: LED-based time-resolved fluorescence spectroscopy for lifetime measurement of Rhodamine B (Date defended: April 1, 2013)

3. Rommel Bartolome
   Thesis title: Digital In-Line Holography: Theory, Simulations and Applications (Date defended: April 1, 2013)

4. Charmaine Rose Delos Reyes
   Thesis title: Evaluation of Optical Vortex Displacement in Transparent Samples using a Statistical Algorithm (Date defended: April 1, 2013)

5. Justine Patricia Carpio
   Digital Watermarking of Reconstructed Wavefronts via Multiple-Plane Phase Retrieval Technique (Date defended: October 5, 2013)

6. Mark Xavier Tarcelo
   Thesis title: Pinhole Phase Retrieval and Dynamic Referencing (Date defended: October 5, 2013)

List of Resident Members (23)

Faculty Members (5)

1. Percival F. Almoro, Ph. D.
2. Wilson O. Garcia, Ph. D.
3. Anne Margarette Maallo, M. Sc.
4. Arriane P. Lacaba
5. Cherrie Olaya

REPS (1)

1. Lean L. Dasallas, M. Sc.

Student Members (15)

1. Timothy Joseph Abregana
2. Jessa Jayne C. Miranda
3. Joshua Beringuela
4. Esmerando Escoto
5. Josemaria Grana
6. Cristina Manejero
7. Floyd Patricio
8. Annaliza Amo
9. Mary Anne Calleja
10. Joseph A. de Mesa
11. Roseanne Novesteras
12. Einstom Engay
13. Rommil Emperado
14. Mario Juvenal S. Onglao III
15. Dylan Nicolas Emmanuel V. Salcedo

Affiliated Members (2)
1. Francesca Celine Catalan, Ph.D.
2. Justine Patricia Carpio

External Collaborators (1)
Vermén M. Verallo-Rowell, M.D.
Program Director
VMV Skin Research Centre + Clinics
The Centre for Skin Research, Testing, and Product Development, Inc.

Awardees (1)
1. Percival F. Almoro, Ph.D.
   Scientist I
   UP Scientific Productivity System (2012-2014)