

CALL FOR APPLICATIONS: UNDERGRADUATE THESIS RESEARCH

Second Semester of AY 2020-2021

WHO: BS Applied Physics students who are at least at the second-year academic standing

WHAT: Joining a Research Cluster and choosing your **possible thesis adviser**

HOW:

- 1) Refer to the accompanying list of potential thesis advisers and their corresponding research specializations and interests.
- 2) Send an email inquiry to several physics faculty members who can be your potential adviser. Choose the faculty whose research specialization coincides with your own interests. The faculty may discuss with you the outline of his/her research, the problem that you may work on if you join the research group, how you will be trained to do your research, and the research activities of the group.
- 3) An orientation video on the undergraduate thesis is going to be uploaded to the IMSP website beginning on 17 May 2021. Visit the website to learn more about the undergraduate thesis.
- 4) After communicating with several potential advisers, you should have some idea about which faculty would be the right fit to be your thesis research adviser. Choose 5 potential advisers and rank them in order of preference.
- 5) Submit the following documents:
 - a) **Cover letter** stating that you are applying to join a research group. Address the letter to:
Eduardo C. Cuansing Jr., Ph.D.
Chair, Thesis Committee, Physics Division
Institute of Mathematical Sciences and Physics
 - b) Fill up and submit the enclosed **Potential Thesis Adviser Form**;
 - c) Your 1-page **curriculum vitae**;
 - d) A copy of your **true copy of grades or a printout of your grades in SAIS**; and
 - e) A 400-word **essay** about your research interests.

Place all documents into one PDF file, strictly following the above sequence. Name the file "Application_LastName_FirstName.pdf". Modify "LastName" and "FirstName" according to your name. Send your application documents to eccuansing@up.edu.ph by **5 PM of 28 May 2021, Friday**.

POTENTIAL THESIS ADVISER FORM
Physics Division
Institute of Mathematical Sciences and Physics



STUDENT NAME: _____

DATE: _____

ACADEMIC STANDING: _____

RESEARCH CLUSTER that you would like to join:

List your POTENTIAL THESIS ADVISERS ranked according to your preference (the first being your most preferred):

1. _____
2. _____
3. _____
4. _____
5. _____

NOTE: It is not guaranteed that your preferred adviser can accept you in his/her research group. It depends on the number of students applying to join the group, the availability of the professor, and a lot of other factors. Your application will automatically be sent to your next preferred potential adviser in case your preferred potential adviser cannot accept you.

IMSP PHYSICS DIVISION RESEARCH CLUSTERS:

- Analytics, Complex, and Environmental Systems
- Astrophysics, Particle Physics, and Nuclear Physics
- Condensed Matter and Statistical Physics
- Materials Physics and Engineering
- Optics and Instrumentation
- Physics Education
- Quantum Information and Foundations of Quantum Mechanics

LIST OF POTENTIAL THESIS ADVISERS:

FACULTY	SPECIALIZATIONS	RESEARCH CLUSTER	EMAIL ADDRESS ____@up.edu.ph
ALBAO, Marvin A.	Surface Physics	Condensed Matter and Statistical Physics	maalbao
ALINEA, Allan L.	Cosmology, Particle Physics	Astrophysics, Particle Physics, and Nuclear Physics	alalinea
ALTOVEROS, Nelio C.	Robotics and Automation, Agricultural and Environmental Instrumentation	Optics and Instrumentation	ncaltoveros
BALISTA, Junius André F.	Soft Condensed Matter Physics, Granular Matter	Analytics, Complex, and Environmental Systems	jfbalista
COLAMBO, Ivy R.	Surface Physics, Graphene and related 2D Materials, Synchrotron-Based Spectroscopy	Condensed Matter and Statistical Physics	ircolambo
CUANSING, Eduardo C.	Quantum Thermodynamics, Nonequilibrium Physics, Quantum Engines and Devices	Condensed Matter and Statistical Physics	eccuansing
DE VERA, Francesca Isabel N.	Materials Science, Materials Characterization and Spectroscopy	Optics and Instrumentation	fndevera
DIZON, John Symon C.	Computational Materials Science, 2D Materials	Condensed Matter and Statistical Physics	jcdizon7
HERRERA, Marvin U.	Materials Physics, Surface and Interface Physics	Materials Physics and Engineering	muherrera
JUSI, Arvin Lester C.	Terahertz Spectroscopy, Instrumentation	Optics and Instrumentation	acjusi
LACUESTA, Terencio D.	Materials Physics, Surface and Interface Physics, Semiconductor Devices, Tribology	Materials Physics and Engineering	tdlacuesta
OCA, Gilbert M.	Computational Optics, Schlieren Optics, Instrumentation	Optics and Instrumentation	gmoca2
PADAMA, Allan Abraham B.	Computational Materials Science, Surface and Interface Physics	Condensed Matter and Statistical Physics	abpadama
PAREL, Marco Miguel P.	Superconductivity Physics, Surface and Interface Physics	Condensed Matter and Statistical Physics	mpparel
PIÑOL, Chryslie Margus N.	Complex Systems, Population Dynamics, Ecological Modeling	Analytics, Complex, and Environmental Systems	cnpinol

PUTUNGAN, Darwin B.	Computational Materials Science, First-Principles Calculations	Condensed Matter and Statistical Physics	dbputungan
ROXAS-VILLANUEVA, Ranzivelle Marianne L.	Physics Education and Complex Systems, Qualitative Literary Analysis, Agricultural and Environmental Instrumentation	Analytics, Complex, and Environmental Systems	rrvillanueva3
SANTOS-PUTUNGAN, Alexandra B.	Computational Materials Science, Low-Dimensional Materials Physics	Materials Physics and Engineering	absantos1
TAPIA, Alvin Karlo G.	Chemical Physics, Disordered Materials, Terahertz Spectroscopy	Optics and Instrumentation	agtapia
VILLANUEVA, Anthony Allan D.	Foundations of Quantum Mechanics, Quantum Mechanics in Phase Space	Quantum Information and Foundations of Quantum Mechanics	advillanueva1

Updated: 12 May 2021