

# Local Chapter Activity Report

Prof. Paul Jason R. Co  
UNISEC-Philippines

23 January 2023

# History of Local Chapter Activities

Established in 2019

## *UNISEC-Philippines activities*

- Participated in CLTP in 2022 (Tokyo, Japan)

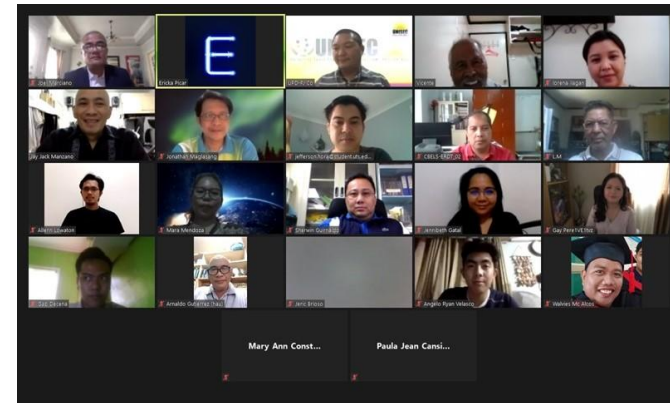


- Attended UNISEC-Global Meeting in 2019



# Seminars, Workshops, and Training

- **24th UNISEC virtual meeting**  
hosted by UNISEC-Philippines  
(August 2022)
- **SE4E: Space Education for Educators - CubeSat Design and Development Web Series**  
(June 13 - July 01, 2022)
  - Co-hosted with the  
Philippine Space Agency  
(PhilSA)
- **First UNISEC-Philippines Meeting** (July 2020)



# Seminars, Workshops, and Training

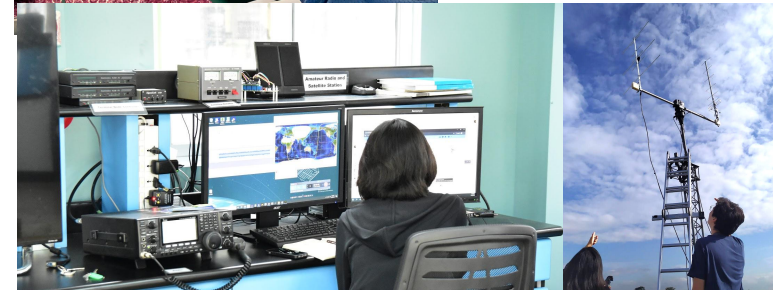
- **Amateur Radio Unit (ARU) training**
  - Armed Forces of the Philippines (February 2020)
  - University of San Carlos (January 2020)
  - Malayan Colleges (January 2020)
  - Philippine Navy (November 2019)
  - Holy Angel University (September 2019)
  - Department of Information and Communications Technology - Luzon Cluster 3 (July 2019)
  - ARU Fundamentals (April 2019)
- **Lectures on Small Satellites (March 2019)**
  - In cooperation with Kyutech Institute of Technology
- **Amateur Radio and Satellite Station Workshop (January 2020)**





# Practical Space Projects

- **Development of Maya-2 (BIRDS-4)**
- **Development of Maya-3, Maya-4, Maya-5, and Maya-6**
  - Localizing learnings from the BIRDS Project and replicating in the Philippines
  - Part of the Master of Science/Master of Engineering in Electrical Engineering under the Nanosatellite Engineering Track of the Electrical and Electronics Engineering Institute of the University of the Philippines-Diliman
- **Launch of the Philippine Universities Ground Archiving and Data Reception (PUGAD)**
  - Partnership of UP Diliman, Holy Angel University, University of San Carlos, and Mindanao State University-Iligan Institute of Technology
- Continuing of the **offering of graduate program** related to nanosatellite engineering in collaboration with PhilSA and supporting the **development of Maya-7** ([local MIC winners](#))



# UNISEC-Global Activities in 2021-22

## Number of

- Member Universities: 13
- Students: 60
- Professors: 15
- Others: Active collaboration with PhilSA;  
6 pending membership applications





# UNISEC-Global Activities in 2021-22

## Organizing a Program/Training/Competition/Meeting

- SE4E: Space Education for Educators - CubeSat Design and Development Web Series
  - *Organized a dedicated session for the UNISEC-Philippines - PhilSA Forum to identify possible areas for collaboration*

## CLTP11

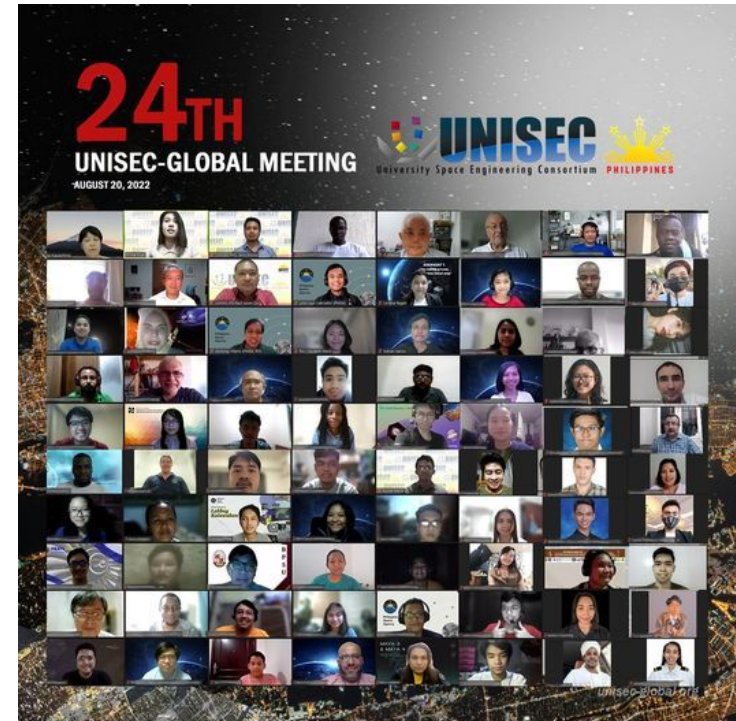
- 5 participants from member universities with funding from AOTS

## Host/participate Virtual UNISEC-Global Meeting

- Hosted the 24th UNISEC-Global virtual meeting (August 2022), with over 250 participants from 19 countries
- Active participation in virtual meetings

## On-going Practical Space Projects

- Turnover and launch of Maya-5 and Maya-6 (tentative: Q1 2023-Q3 2023)



# 7th BIRDS International Workshop in the Philippines

UNISEC Philippines Secretary, Prof. Paul Jason Co, during his presentation at the 7th BIRDS International workshop hosted by the Philippine Space Agency.

His presentation is entitled "**The STeP-UP Project and UNISEC Philippines**". This 3-day workshop had around 300 attendees comprising of students, faculty, and researchers . Presentations involve activities and updates from the members of the BIRDS Network and Philippine Space Agency.





# Plan for 2022-23 and beyond



- Supporting University of Perpetual Help on the collaboration for **ASEANSAT-1**



- Support in the plans for establishment of **ground stations** of member universities and other institutions



- Continuous offering of **space-related courses** in UP Diliman and assisting member universities in offering these courses in their institutions



- **Collaboration** with the Philippine Space Agency  
-Development of Maya-7 in collaboration with PhilSA and KyuTech



- **Linking universities** to the industry and other institutions

# Plan for 2022-23 and beyond



- BIRDS-4 Engineers are back at their home institutions and have expressed interest in collaborating with UNISEC-Philippines
  - **Adamson University** has contacted UPD for the establishment of their own ground station
  - **Mapua University** focusing on the application to UNISEC-Philippines
  - **PhilSA** has been supporting the Space Infrastructure, Know-How, and Applications Acceleration through Promotion and Training project (SIKAP+) and has been coordinating with UNISEC-Philippines for various learning opportunities

# Current LC situation

- **Funding extension for 6 months (February-July 2023)**
  - Waiting for approval from the Department of Science and Technology (DOST)
- **UPD to still serve as UNISEC-Philippines secretariat**
  - In talks with the Philippine Space Agency (PhilSA) on administrative support
  - Legal status being considered and explored; will be revisited in 2024
- **Communication channels**
  - Newsletter was discussed with PhilSA but put on hold; using email and Facebook for announcements
  - Website still to be explored due to human and financial resources



# Thank you!

## *Contact information:*

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