

Local Chapter Activity Report at the 11th UNISEC-Global Meeting



Husseinat Etti-Balogun
UNISEC-Nigeria

Outline



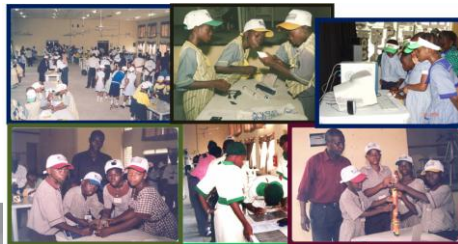
- History of UNISEC-Nigeria activities
- 10th UNISEC-Global/ Pre MIC 9 meetings
- Practical Space Projects
- UNISEC-Global Activities in 2024-25
 - Chapters Activities
- CLTP 14 and PreMIC9
- Virtual UNISEC-Global Meeting
- On-going Practical Space Project
- HEPTA-Sat Training
- Plan for 2025-26 and beyond

History of UNISEC-Nigeria activities

- Established in 2013



Promote hands-on space development among university students through designing, building, and launching small satellites and subsystems for real-world applications.



School hands-on training program, 2013



Zonal workshops, 2014



UNISEC-Global, Japan, SA, 2014 & 2024

CanSat/H₂O rocket leadership training program, 2013

- Participated in CLTP 1, 2, 3 and 14 in 2011, 2012, and 2025

10th UNISEC-Global/ Pre MIC

9 meetings

PreMIC9 Presenters



YiYu Chang and Yuhsiu Tien
National Central University,
Taiwan



Rafli Rizaldi and M. Alief Nurvian
Institut Teknologi Bandung,
Indonesia



Viktoria Zlateva
Space Vision Ltd, Bulgaria



Onwuama Ihunanya Chukwuweike
National Space Research and
Development Agency, Nigeria

- We participated in PreMIC 9, emerged as one of the winners
- NASRDA LUCAD mission
- Organized MIC seminar, and workshops intermediately
- We have been participated in several UNISEC-Global meetings

Practical Space Projects

Capacity development in Tube sat project in collaboration with

- Nigeria Space Engineer (NISEng)-2023
- Nigerian Society of Engineers-2024
- University of Abuja-2023



Tube Sat prototype



Tube Sat test on UAV

UNISEC-Global Activities in 2024-25

Number of

- Member Universities: 9
- Students: 434
- Professors: 8
- Cooperate members: 2



Nigeria in Space @ 25
Celebrating Nigeria's 25 years in Space



**Nanosatellite IoT Constellation
Mission with UNISEC-Nigeria**

**SPACE UNGANA-2025 with
UNISEC-Nigeria**

University of Jos (UNIJOS) Activities



- 25 students
- World Space Week 6-10 October 2025
- Day 1 - webinar session to introduce the week,
- Day 2 - outreach to Federal Government College, Jos,
- Day 3 - online symposium.



Lead: Joshua
Ufedo-Ojo Baba



World Space Week



online symposium



webinar session



Webinar session "Holding up the Heavens." 31st May 2025

Lagos State University (LASU) Activities

- 54 students



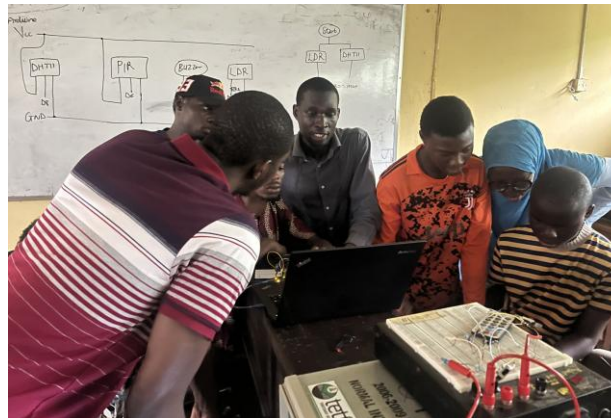
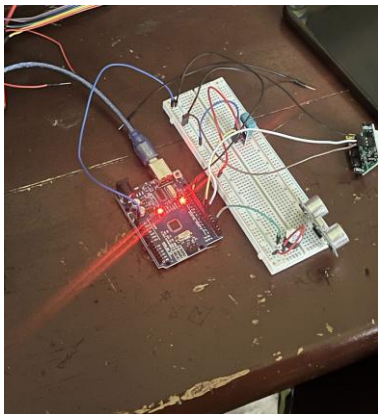
Excursion to CSTP, 2025



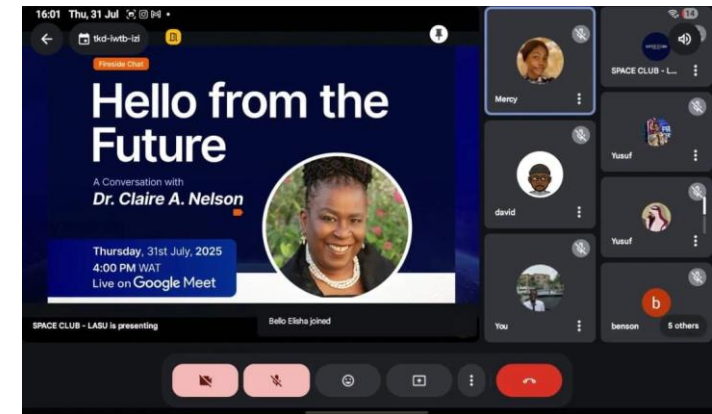
Outreach: Rosenik College &
Temrej International School., 2025



Lead: Sylvester
Agose



Byte & Build 2-day Hardware workshop, 2025



Webinar series on space
technologies, 2025

University of Nigeria Nsukka Activities



- 210 students



Space week celebration:



Co-hosted Webinar with OAU Space Club: Getting started for a career in space.



Lead: Umeh Assumpta



Online space quizzes

Obafemi Awolowo University Activities



- 60 students



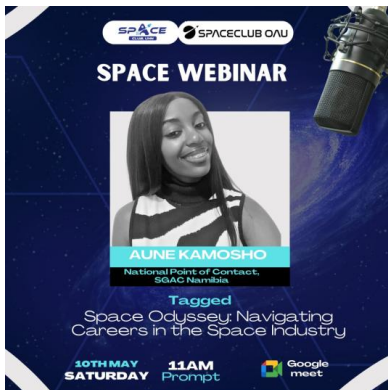
GEO-Africa Accelerator Innovation Challenge competition, 2025



Team meetings, design of a mockup version of Curiosity Rover



Lead: Victor Adeleke



Co-hosted Webinar with UNN :Getting started for a career in space.



Yuri's and stargazing nights in conjunction with ARCSSTEE



Campus wide outreach and sensitization about Space

CLTP 14 and PreMIC9



15 participants from 13 countries



- Participated in CLTP14, 2025



- Competed in the MIC 9 at Stellenbosch, SA and emerges the finalist, 2024



Virtual UNISEC-Global Meeting



60th Virtual UNISEC-Global Meeting
Theme: CLTP14 Briefing
Host: UNISEC-Global Date: September 20, 2025 Time: 22:00-24:00(JST) **REGISTER NOW**
Moderator: Joseph Matiko, Dar es Salaam Institute of Technology

Speakers

 Joseph Matiko Dar es Salaam Institute of Technology, Tanzania	 Marian Duval Dominican Astronomical Society, Dominican Republic	 Muhammad Rizwan Mughal Sultan Qaboos University, Oman
 Shohei Aoki Jomo Kenyatta University of Agriculture and Technology, Kenya	 Essien Ewang National Space Research and Development Agency, Nigeria	 Marloun Sejera Mapua University, Philippines
 Bansi Attara CUBESAT AEROSPACE LLP, India	 Ojas Jha The Arbor School, UAE	 Derrick Tebusweke Northumbria University, UK

**Yusuke Otsuka**
Teaching Assistant of CLTP14, Nihon University

<https://www.unisec-global.org/virtual-meeting.html>

Presented on:

- Personal Experience during CLTP 14

56th Virtual UNISEC-Global Meeting
Theme: IoT Mission Idea Presentation (2)
Hosted by UNISEC-Global
Date: May 17, 2025 Time: 22:00-24:00(JST)

Moderator
**A. Rüstem Aslan**
Istanbul Technical University

IoT Mission Idea Presenters
Bassem Boshra, SpimeSenseLabs, Egypt
Essien Ewang, NASRDA, Nigeria
Badis Ennejah, Monastir University, Tunisia

Opening Remarks
**Maxmilien Berthet**
The University of Tokyo

IoT Company Presentations

 Jon Pearce Lacuna Space	 Mutlu Ahmetoglu Plan-S Satellite & Space Technologies Inc.
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REGISTER NOW

<https://www.unisec-global.org/virtual-meeting.html>

Presented on UNISCE-Nigeria IoT Mission in these Thematic Areas:

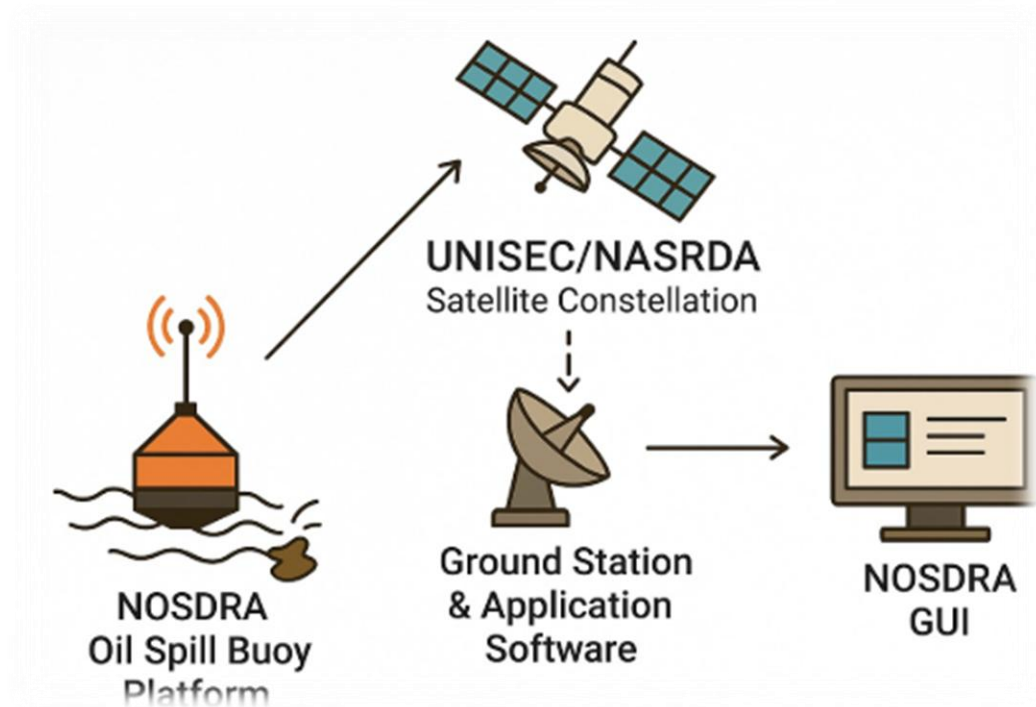
- Oil spill detection
- Flood Detection and Monitoring
- Soil properties monitoring

On-going Practical Space Projects

UNISEC-Nigeria IoT Constellation Mission with UNISEC-Global

In three thematic areas:

- Oil spill detection
- Flood Detection and Monitoring
- Soil properties monitoring



HEPTA-Sat Training



HEPTA-Sat one-day training
at south Africa, 2024



HEPTA-Sat training (Aug
19–29, 2025)

Two-day Teaching practice

At Nihon University, Japan



Plan for 2025-26 and beyond



Expanding the
Nanosatellite IoT
Constellation Mission



Collaborating with
universities and
industries to build
local capacity



Hosting HEPTA-Sat
Training for hands-on
satellite system
experience



Organizing
Annual Summits
& Exhibitions at
member universities
across Nigeria