

Local Chapter Activity Report

at the 10th UNISEC–Global Meeting

Fatimah Zaharah Ali
UNISEC–Malaysia

History of Local Chapter Activities

Established in July 2019, POC: *Dr Norilmi Amilia Ismail*

- *Participated in CLTP in 2011, 2017 and 2018*
- *Participated in MIC in 2018 – Winner of Special IAF Award*
- *Attended 6th UNISEC Global Meeting 2018*
- *Participated in BIRDS-2 Program in 2016 – UiTMSAT-1.*
- *Involvement of university students in CanSat Competition organized by MYSA – 2019 & 2020*
- *Practical Space Projects organized by USM Space System Lab – High Altitude Balloon (HAB), Small Satellite System (MYSat)*

In May 2024, POC: *Dr Fatimah Zaharah Ali*

- *Multination Collaborative 1U CubeSat Development Project (ASEANSAT) in 2021 – led by UiTM*

UNISEC-Global Activities in 2023-24

**Number of

- Member Universities: 4 Universities (UiTM, USM, IIUM, UPM)
- Students: 27 (USM) + 6 (UiTM)
- Professors: 6
- Others (Corporate members, etc.): To be added

- *Hosting 46th Virtual UNISEC-Global Meeting (20 July 2024) – Industry-Academia Collaboration for Sustainable Satellite Project*



46TH VIRTUAL UNISEC-GLOBAL MEETING

Theme: Industry-Academia Collaboration for Sustainable Satellite Project

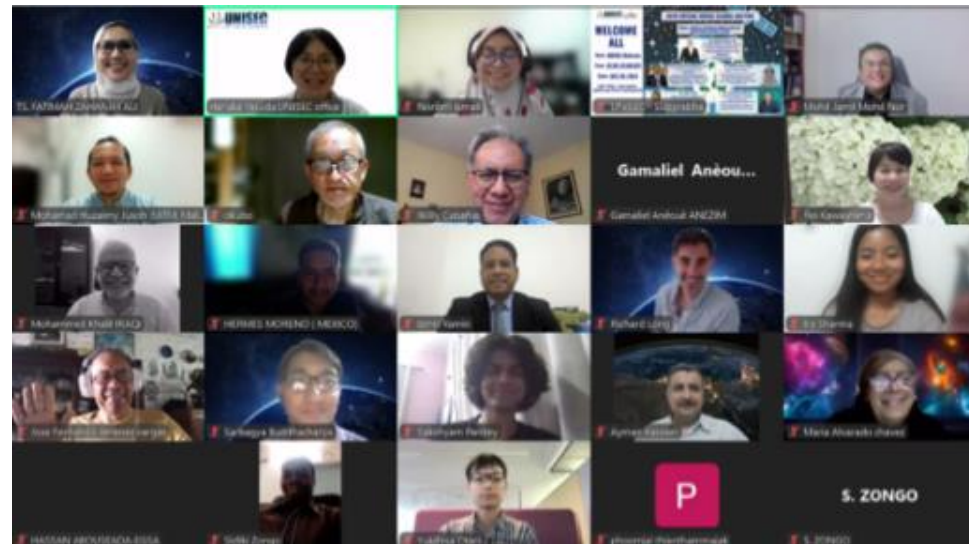
Dr. Fatimah Zaharah Ali
POC UNISEC-Malaysia & Senior Lecturer in Universiti Teknologi MARA (UiTM)
Moderator
Opening Remarks

Prof. Dr. Mohamad Huzaimy Jusoh
Professor, Universiti Teknologi MARA (UiTM)
Academia Representative: ASEAN Multination Nanosatellite Collaboration Project: Crafting Indigenous Space Program in Malaysia

Dr. Norlimi Amilia Ismail
Founder & CEO of Spaceln
Company Startup Representative : From campus to commerce: the journey of space tech startup

Mr. Izmir Yamin
Founder, CEO & CTO of Independence-X Aerospace
Space Company Representative: Journey & Development of FEMTO satellite (Worlds' smallest satellite)

Mr. Mohd Jamil Mohd Nor
Partner & Co-Founder of Vanguard Space Industries (VSI)
Industry Representative: Impact on Sustainable Space Economy Activities



UNISEC-Global Activities in 2023-24



- Co-organized (UiTM) with Cybernet System for **National Space Imaging Payload Competition**, from Oct 2024 – Jan 2025

Empowering the Next Generation of Engineers

National Space Imaging Payload Competition

High-Resolution CubeSat Camera Lens Design Challenge

Show your simulation skills and innovative design ideas to win Malaysia's very first "National Space Imaging Payload Competition". The competition is open to all universities, research institutes, and commercial organizations registered in Malaysia. Exciting prizes are up for grabs. Get your team together today. More details overleaf.

FREE Registration

Winner – RM 1500 Cash Prize & Trophy

Runners up – RM 1000 Cash Prize & Trophy

3rd Place – RM 500 Cash Prize & Trophy

Event Page



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Competition Flow

General Briefing (online)	15 October 2024	Watch on event page
Registration (FREE) + Entrance Survey	16 Oct - 16 Nov 2024	Apply from event page Extended Deadline: 19 November 2024
MDR Briefing (online)		Details to be announced
Competition	20 Nov 2024 – 16 Jan 2025	
Final Presentation & Awards Ceremony (in-person) at Malaysia Space Agency, Kuala Lumpur	16 January 2025	Details to be announced



Plan for 2024-25 and beyond



UNISEC-Malaysia Student Organization (UNISON)

- *Start in UiTM, open to all students from different background*
- *Expand to all UiTM students from all branches*
- *Expand to all university students in Malaysia*

Plan for 2024-25 and beyond

Space STEM Education

- *Team up with UiTM lecturers from other branches*
- *Awareness on space through STEM education*



Plan for 2024-25 and beyond

Space Outreach

- *Using ASEANSAT as the platform*
- *Students to be exposed on satellite operation through Ground Station*
- *Students' understanding on telemetry data.*



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THANK YOU

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