

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

Jyh-Ching Juang UNISEC-TAIWAN



(National Cheng Kung University, NCKU)

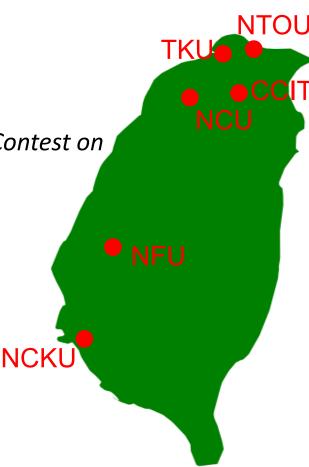




History of Local Chapter Activities

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- Established in 2019
- Attended UNISEC-GLOBAL Meetings in 2013-2025.
- Organized MIC seminars
- Participated in MIC
 - Two teams are finalists of MIC-9
- Held several CubeSat (subsystems) competitions.
 - CubeSat (Taiwan International Mission Idea Contest on CubeSat) competition 2024.12.2
- Held HEPTA-Sat training program
- Six universities and one group
 - National Cheng Kung University (NCKU)
 - National Central University (NCU)
 - Tam Kang University (TKU)
 - National Taiwan Ocean University (NTOU)
 - National Formosa University (NFU)
 - Chung Cheng Institute of Technology (CCIT)
 - Taiwan Space Generation





UNISEC-TAIWAN Activities in 2024-25

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- Government support remains strong
 - Long term development program
 - Space development law
 - TASA (Taiwan Space Agency)
 - Involvements of local industries
- CubeSat launches
 - 2014 PACE
 - 2017 PHOENIX
 - 2021 YUSAT and IDEASSat,
 - 2022 IRIS-A and NutSat
 - 2023 IRIS-C, IRIS-C2, PEARL-1C, PEARL-1H, and Lilium-1
 - 2024 IRIS-F1, Nightjar, Toro, TAURUS-2, and ONGLAISAT
 - 2025 IRIS-F2, IRIS-F3, PARUS-T1A, Lilium-2, Lilium-3, PARUS-T2, SATORO-T3, RIoT, Toro-2, Tmicrosat

In addition to UNISEC-TAIWAN member universities, TASA and several Taiwanese companies are launching CubeSats.





UNISEC-TAIWAN Activities in 2024-25 release put logo of your Local Chapter

- Sounding rockets
 - A scientific research sounding rocket launch site for research and development verification
- University teams
 - NCKU two-stage hybrid rocket
 - NYCU HTTP-3A S2, Asfaloth, SSTO
 - TKU TK-1, Jessie, Polaris
 - FCU SHSR-Aero1, SHSR-Aero2
 - 2024.07.21 Asfaloth, NYCU
 - 2024.07.21 SSTO, NYCU
 - 2024.08.05 Polaris Rocket, TKU
 - 2024.11.11 SHSR-Aero2, Feng Chia University
 - 2025.10.18 Asfaloth-2025, NYCU
 - 2025.11.22/23 -



Source: NSTC



Source: NCKU



Source: HOSPO

jtSPACE Launches Suborbital Rocket VP01 from the Hokkaido Spaceport, Reaches Altitude of 4 km



UNISEC-TAIWAN Activities in 2024-25 Piease put 1090 of Vour Local Chapter

- Capacity building workshops
- 2024.12.7
- International CubeSat Basics Course (on-line) by professors from UNISEC-TAIWAN
- 2025.6.19-20
- 2025 Low Earth Orbit Satellite Capacity Building Workshop at NCKU
- Moon mission
 - NCU participated the ispace Hakuto-R mission 2
 - ispace Selected for Taiwan Space Agency's Lunar Mission Payloads











Plan for 2025-26 and beyond

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- Continue existing works
 - CubeSats
 - Sounding rockets
 - Space missions
 - Capacity building workshops
- More collaborations with UNISEC and international partners
- Host the 2026 UNISEC-GLOBAL meeting and NSAT symposium (TBD)
 - Welcome to Taiwan

Contact

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