

1st UNISEC Global Meeting 23 November 2013, Tokyo



Space education activities and local UNISEC establishment in Taiwan



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- Space Education/Research Actors in Taiwan
- NCKU Space Activities
 - Micro/Nano-Satellites
 - Sounding Rockets
 - Atmospheric Balloons
- Potential collaboration areas
- UNISEC-Taiwan establishment



Space Education Actors In Taiwan



National Cheng Kung University (NCKU)



National Central University (NCU)



National Taiwan University (NTU)

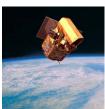


National Tsing Hua University (NTHU)



National Space Organization (NSPO)







NSPO





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NCKU Space Activities



Micro/Nano satellites









Satellite system engineering course

PACE



ESEMS



CKUTEX



























NCKU Space Activities



Sounding Rockets



NSPO rocket (Universities Scientific Payloads)



NCKU rocket (NCKU Scientific Payloads)



NCKU Space Activities



Atmospheric balloons





NCKU balloons (NCKU Scientific Experiments)





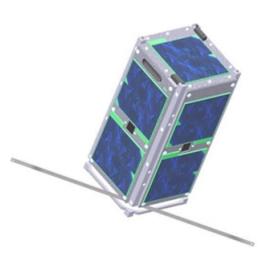
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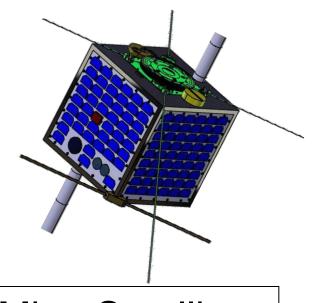
Potential collaboration areas



Micro/Nano satellites



CubeSats



MicroSatellites

Many good ideas

Propose Missions to UNISEC chapters to make an International Satellite

Share experience, costs and scientific data



Potential collaboration areas



Sounding Rockets

Students from different UNISEC chapters could work together on a common Sounding Rocket.

Students from different UNISEC chapters could design and build scientific and technological experiments to put on the NCKU Sounding Rocket and/or on the common Sounding Rocket.



NCKU Hybrid Rocket



Potential collaboration areas



Atmospheric balloons

Students from different UNISEC chapters could design and build scientific and technological experiments to put on a same atmospheric balloon.

Share experience, costs and scientific data.



NCKU Balloon





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UNISEC-Taiwan establishement



- Already have UNISEC local PoC: Prof. Jyh-Ching Juang, NCKU.
- NCKU has been (and will keep going to be) a MIC participant.
- MOU between NCKU and Kyushu Institute of Technology.
- Promote the UNISEC in Taiwan in space events.
- Organize a workshop to gather interested actors.
- Enhance collaboration between different space laboratories in Taiwan and with other UNISEC chapters (satellites, sounding rockets and atmospheric balloons).
- Space outreach event (Yuri's night, World Space Week).



CONCLUSION



- Collaboration in Small Satellites / Sounding Rockets / Atmospheric Balloons.
- Share the experience, costs, scientific results.
- Working together with other UNISEC organizations will allow more ambitious Space projects.
- Forum on the UNISEC-Global Website for discussing between Local-UNISEC chapters?



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