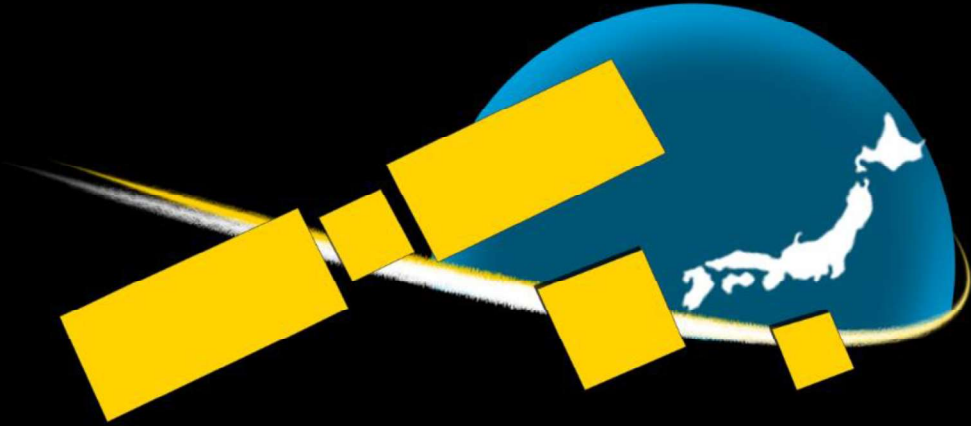


Another expert's lecture
provided for the students
of



Space Engineering International Course

SEIC Guest Lecture

by

**Apiwat Jirawattanaphol
Thailand**

This 12-page promotional document was created by G. Maeda on 17-DEC-2020

**Date: Tuesday
(22 Dec 2020)**
Time: 17:00
Japan Std Time
Language: English

**The ZOOM link will be
sent to SEIC students via
the SEIC Student Mailing
List on 21 Dec, before the
day of this lecture.**

Title:

**Space business
and
space tech start-up company in
Thailand**

Abstract:

See the next page.

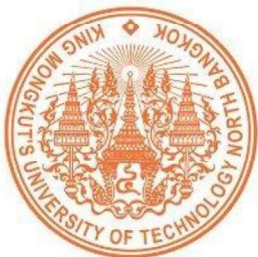
Abstract

Thailand is a developing country in Southeast Asia. We launched our first national satellite (Thaicom-1) in 1993. However, we never built our satellite inside the country until 25 years later. KMUTNB students and staff was developed the first Thai-made satellite named KNACKSAT and launched it into orbit in 2018.

After the launch of KNACKSAT, more start-up companies were established as part of Thailand's industry, such as Astroberry, MuSpace, SpaceZab, and NB Space company. NB Space was founded by a group of students from the KNACKSAT satellite team and officially supported by KMUTNB. However, the space business is new in Thailand and challenges because of no space law and lacks government support policy. **Continued on the next column**

As a SEIC Student, I am happy to share with you and discuss the space business in a developing country like Thailand. There are many constraints on law, policy, and budget in a developing country, but it comes with many space business opportunities.

Bio of our guest speaker



KMUTNB

Apiwat Jirawattanaphol SEIC PhD student Co-founder and CEO of *NB Space Co., Ltd*

Graduated with a Bachelor of Engineering in Electronics and Electrical Communication Engineering at King Mongkut's University of Technology Thonburi (KMUTT), Thailand. And completed Master's degree in Aerospace Engineering at King Mongkut's University of Technology North Bangkok (KMUTNB) where he participates in KNACKSAT project, the first entirely build satellite inside Thailand. Also, he graduated Master's degree in space system engineering at Kyushu Institute of Technology.

Apiwat has previously worked on the BIRDS-1 project as technical coordinator taking care of several satellite ground station across the world and he was a member of SPATIUM-I project.

Currently, he is co-founder and CEO of *NB Space Company* -- a university spin-off company of KMUTNB in Thailand.

Note to doctoral students

This lecture can be counted as "Interdisciplinary Seminar for Engineering 工学融合科目" for Kyutech doctoral students.

However, please note that this lecture will be provided under "Electrical and Space Systems Engineering Course 電気宇宙システム工学コース". Hence, students cannot count this lecture if it is your own major course.

If you are not a member of SEIC, and you wish to have seminar credit for this lecture, please request the ZOOM ID and password from Prof. Maeda using his email address (see the text at the right).

Instead of getting a stamp 印鑑 as a proof of attendance, submit a one paragraph (75-150 words) summary (typed in English, with student ID number and date, and then signed) using Microsoft Word. Send the file to Prof. Maeda within one week of the lecture. His email address is:
[maeda\[at\]ise.kyutech.ac.jp](mailto:maeda[at]ise.kyutech.ac.jp)

If you do not have “Performance report form of Interdisciplinary Seminar of Engineering”, go to this website and download the form:
<https://www.tobata.kyutech.ac.jp/gr-school/gra-menu/>

If you have any questions concerning the contents of this page, please contact the Graduate School Section: [koh-daigakuin\[at\]jimu.kyutech.ac.jp](mailto:koh-daigakuin[at]jimu.kyutech.ac.jp)