

Global project based learning for Department of Engineering Science and Mechanics

Implementation period	Implementing country	SIT's implementation partner organization	Target students	participant	SIT instructor
2019/08/28 ~2019/09/10	Japan	AGH University of Science and Technology	<ul style="list-style-type: none"> Department of Engineering Science and Mechanics Undergraduate 3rd grade、 Undergraduate 4th grade、 Undergraduate 2nd grade、 Undergraduate 1st grade 	(SIT) Students 10, TA 2, Professor 8 (AGH University of Science and Technology) Students 11, Professor 2	TAKASAKI Akito(Department of Engineering Science and Mechanics), YAMAMOTO Sota(Department of Engineering Science and Mechanics), HASHIMURA Shinji(Department of Engineering Science and Mechanics), MAEDA Shingo(Department of Engineering Science and Mechanics), YAMASHITA Yuko(Department of Engineering Science and Mechanics), ALICJA Klimkowicz(Global course of Engineering and Science), HOSOYA Naoki(Department of Engineering Science and Mechanics)



Image1

The summer school at SIT was held at Toyosu Campus of Shibaura Institute of Technology (hereafter SIT) from August 28 to September 10, 2019. The summer school is organized with AGH University of Science and Technology (hereafter AGH) and SIT. The number of students of SIT were ten and the number of students of AGH were eleven. The participating professors are Prof. Janusz Szmyd and Prof. Marcin Mozdierz from AGH and Prof. Akito Takasaki, Prof. Sota Yamamoto, Prof. Shinji Hashimura, Prof. Shingo Maeda, Prof. Yuko Yamashita, Prof. Alicja Klimkowicz and Prof. Naoki Hosoya.

Below is the rough PBL schedule.

8/28(Wed)

10:00–12:00 Opening ceremony, Self –introduction, Group forming, Paperwork

13:00–17:00 Campus (Lab) tour (Toyosu walk), Ice breaking

17:00–Welcome party in Toyosu area

9/4(Wed)

10:00 –12:00 Japanese class

13:00 –17:00 mid-term presentation (progress report)

9/5(Thu)

*Field Trip (meeting point and time will be informed later)

Iwatani Hydrogen Station Shiba Koen Park

9/10(Tue)

10:00–12:00 Final presentation

13:00–15:00 Closing ceremony, certificate distribution

We set a renewable energy as a theme of this PBL. Those are a hydraulic power, a geothermal power, a solar power, a wind power and a biomass. First, they investigated a difference situation or culture between Poland and Japan. Then they studied the state-of-the-art problem in each energy field. Finally, they concluded what an optimum energy (mix) including their original idea is.



Image2



Image3



Image4