

KIT Electronics Summer School 2019

1. Purpose

This program provides an opportunity for students to collaborate and learn with students from different regions of the world. In the program, the students studying electronics-related fields improve their English communication skills, understand intercultural differences better, are motivated to study abroad, and most of all, deepen their knowledge in electronics through the program.

2. Organizer

This program is organized by Assoc. Prof. Kazuo Takahashi, Faculty of Electrical Engineering and Electronics, Kyoto Institute of Technology, in collaboration with Prof. Laifa Boufendi, Polytech Orleans, University of Orleans.

3. Dates and Venue

From June 17th to June 28th, 2019 at KIT and around Kyoto City, Japan

4. Eligibility

Students enrolled full time in a degree program of program-partner universities worldwide. The number of overseas students is limited to maximum 27.

5. Language

Language of instruction is English.

The students also enjoy learning different languages through the interactions with other students from various countries to enhance communication ability and diversity of multi-lingual, multi-cultural circumstances this program offers.

6. Contents

In this program, the students:

- design and construct systems with the Arduino* in group works.
- find a mission in the campus and around Kyoto city, and realize the system with the Arduino to be used for the mission. The mission is assumed to be contribution to our lives with e.g., convenience, health, safety, happiness, and so on.
- get a chance to join the Plasma Nanotechnology Seminar, which gives courses and laboratory works for plasma physics, chemistry and engineering as an example of plasma etching process.

** Arduino is a platform of open source for electronics, a tool realizing ideas to make electronic circuits and available for driving electrical, optical, mechanical devices (LED, photodiode, motor, some sensors, and so on. (<https://www.arduino.cc/>)*

7. Costs

Fully financial support on program fee, materials and equipment.

Each student is responsible for the following expenses:

- international flights
- airport transportation to and from KIT
- accommodation
- meals and personal purchases
- travel insurance

8. Financial Assistance

The following financial assistance may be available for those who meet the requirements below after the selection by KIT International Center. Funds will be granted in JPY to students upon their arrival at KIT.

A: JASSO (Japan Student Support Organization) Scholarship

Scholarship amount: 80,000 JPY/student (The number of availability is limited.)

B: KIT International Exchange Promotion Fund

Scholarship amount: 50,000 JPY/ student

To receive the scholarship A or B, applicants must meet all of the following criteria:

- 1) Applicants must be high-achieving students in their home institutions with a GPA of 2.3 points or more in the previous year to receive the above scholarship A. (See the GPA calculation chart on the last page.)
- 2) Applicants must participate in the whole program.
- 3) Applicants must have financial difficulty in participating in this program without this financial assistance.
- 4) Outside of this KIT financial assistance, applicants must not have monthly financial assistance or scholarships amounting to more than the amount of the monthly KIT financial assistance.

9. Required Documents and Procedures

Dates	Procedures
By February 15	Each participating university will conclude an agreement with KIT for the program, and send <u>a list of applicants (name and e-mail)</u> to KIT.
By February 28	KIT will issue online application IDs and passwords for all applicants and send them an application procedure instruction.
By March 14	Each applicant will be required to complete the following online application. <ul style="list-style-type: none">-Application for Admission, Form A-Application Form B-1-Certificate of Enrollment at current institution-Academic Transcript for the previous year-Photocopy of Passport

By April 15	The KIT International Center will select scholarship grantees based on their applications and will notify the result to each applicant.
By May 31	Selected applicants will be requested to submit the following documents to KIT. -Photocopy of Traveler's Insurance -Flight information (arrival/departure flight number and time) -Online Pre-program Questionnaire (will be sent to the selected applicants with the selection notification.)

10. Accommodation

Accommodation is arranged by KIT at:

Guesthouse EMI (<http://emikyoto.wixsite.com/contact/blank-6>)

with a special rate for total 14 nights (check-in June 16th, check-out June 30th). This is off-campus, non-KIT guesthouse but exclusively reserved for this program during the above period.

Rooms are Japanese style shared rooms. For details, see the attached accommodation info sheet. Room assignments will be determined by KIT office. Men and women are separated but could be multinational.

11. Study Report

Every financial assistance grantee will be required to submit a report (Form B-2) to KIT before returning to his/her home institution.

[Contact] Academic Alliances
 International Affairs
 Kyoto Institute of Technology
 TEL: +81-75-724-7129
 E-mail: kokusai@jim.kit.ac.jp

When contacting us by email, please indicate **"KIT Summer School"** in the subject title.


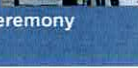
Use the chart below to calculate your "JASSO GPA**".

4-Level Evaluation		Excellent	Good	Pass	Fail
4-Level Evaluation		A	B	C	F
4-Level Evaluation		100~80 pts.	79~70 pts.	69~60 pts.	59 pts.~
5-Level Evaluation	100~90 pts.	89~80 pts.	79~70 pts.	69~60 pts.	59 pts.~
5-Level Evaluation	S	A	B	C	F
5-Level Evaluation	A	B	C	D	F
JASSO Grade Points	3	3	2	1	0

(Formula for calculation)
 ((Number of credits at grade point 3x3) + (Number of credits at grade point 2x2) + (Number of credits at grade point 1x1) + (Number of credits at grade point 0x0)) / Total Number of Credits (Round to the second decimal place.)
 * If a credit system is not used at the institution concerned, convert each class to one credit.

KIT Electronics Summer School 2019 Timetable (tentative)

Time	17th June (Mon)	18th June (Tue)	19th June (Wed)	20th June (Thu)	21st June (Fri)
9:30		Bldg#15 N301 3. Switching LED	Guesthouse: EMI Briefing	Bldg#15 N301 8. Serial Port	Bldg#15 Tech Salon Plasma Nanotechnology Seminar (Preparation) Activities in Institutions
10:00	Bldg#15 N301 Welcome	4. PWM	Downtown Field Work	9. Liquid Crystal Display	
10:30	Project 1 1. Introduction	5. Color LED		10. Temperature & Humidity	
11:00	2. Blinking LED	6. Tones			Lunch
11:30					
12:00	Lunch	Lunch			Lunch
14:00	International Affairs Registration and Orientation	Bldg#15 N301 7. Sensing Light			
14:30		Project 3 Presentation & Discussion			
15:00	Bldg#15 N301 Project 2 Presentation & Discussion				
15:30				12. microSD	
16:00					
16:30		Guesthouse: EMI Briefing			
17:00				18:00 Beer Garden Reception	

Time	24th June (Mon)	25th June (Tue)	26th June (Wed)	27th June (Thu)	28th June (Fri)
9:30	Bldg#15 N301 Project 5 "Make Something" Brainstorming	As Planned by teams	As Planned by teams	Bldg#15 N301 Preparation of Final Presentation	Bldg#15 N301 Final Presentation
10:00					
10:30					Lunch
11:00	Planning				
11:30					
12:00					
14:00	Bldg#15 N301 Presentation & Discussion				
14:30				Bldg#15 N301 Preparation of Final Presentation	Bldg#15 N301 Housekeeping
15:00					
16:30					
18:00					
18:30					