



## Call for Participants

# KIT **Textile** Summer School 2018

### 1. Purpose

This program provides great opportunity for students to learn up-to date textile sciences in Japan and collaborate with students from different regions of the world. Students will be able to improve their English communication skills, understand intercultural differences and be motivated to study abroad while deepening their knowledge in textile science.

### 2. Dates and Venue

From July 24th to July 31st, 2018 at KIT and around Kyoto City, Japan.

### 3. Eligibility

Bachelor and Master students enrolled full-time in degree seeking program at the program-partner university worldwide.

The number of students is limited to a maximum of **24**.

KIT will accept a maximum of 3 applicants from each partner university, and will select 24 students among all the applicants.

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.

## 4. Program

- Lectures of textile and fiber science engineering
- Company visits
- KIT Lab visits
- 1-Day Lab experiment (\* see below for details)
- Japanese textile museums visits
- Japanese culture experience
- Final presentation / closing ceremony



### 1-Day Lab Experience

Theme	Instructor	Students
<p><b>A</b> Title: Evaluation Technologies of Touch Feeling for Digital Design of Soft Materials:</p> <p>Contents: In this laboratory, the course work to measure the softness of various materials by an indentation device imitating palpation technique is done, and then the evaluated data will be applied to design soft objects by using FEM (finite element method).</p>	<p>Prof. Atsushi Sakuma</p> 	<p><b>3</b></p>
<p><b>B</b> Title: Atomic-force microscopic observation of microdomain ordering in spin-coat block copolymer thin films</p> <p>Contents: 1. Spin-coating of block copolymer thin films using the spin-coater. 2. Thermal annealing of the specimens. 3. Atomic-force microscopic (AFM) observation of spherical microdomains / or cylindrical microdomains. 4. Image analyses of the observed AFM images.</p>	<p>Prof. Shinichi Sakurai</p>	<p><b>5</b></p>
<p><b>C</b> Title: Making a 3D knitted fabric and its evaluation.</p>	<p>Prof. Sachiko Sukigara</p>	<p><b>2</b></p>
<p><b>D</b> Title: Water-free Dyeing of Polyester Fiber</p>	<p>Prof. Satoko Okubayashi</p>	<p><b>2</b></p>
<p><b>E</b> Title: Fiber Modification by Electron-beam Irradiation</p>	<p>Prof. Satoko Okubayashi</p>	<p><b>3</b></p>
<p><b>F</b> Title: Synthesis of biobased materials</p>	<p>Assoc. Prof. Takashi Aoki</p>	<p><b>3</b></p>
<p><b>G</b> Title: Synthesis of a polymer and preparation of the fiber</p> <p>Contents: 1. Polymerization reaction and analysis of the polymer 2. Preparing fiber</p>	<p>Assoc. Prof. Tomonari Tanaka</p>	<p><b>4</b></p>
<p><b>H</b> Title: Fabrics or human hairs are dyed by using dyestuff obtained from biobased materials.</p>	<p>Assoc. Prof. Hidekazu Yasunaga</p>	<p><b>2</b></p>

\*NOTE: For the 1-day Lab experiment, each lab will accept 2 to 5 students. We will do our best to accommodate students' preferred theme, but cannot guarantee they will be placed in their choices. Please note that it is mandatory for students to attend 1-day lab experiment.

## 5. Costs

KIT financially supports total program fee, materials and equipment, accommodation and insurance for 1 Day lab experiment.

Each student is responsible for the following expenses:

- international flights
- transportation to and from KIX (airport) to KIT
- meals and personal purchases
- travel insurance

## 6. Required Documents and Procedures

Dates	Procedures
<b>By March 15</b>	<b>Each participating university</b> submits the followings: <ul style="list-style-type: none"><li>- list of applicants and information (fill in the excel file provided by KIT).</li><li>- Academic Transcript of AY2017 (PDF file) for each applicant</li></ul>
<b>By March 30</b>	<b>KIT</b> pre-selects prospective participants and informs the students. <b>Participating universities</b> are asked to sign “Specifics” and send 2 sets to KIT. (Format will be provided by KIT.) <b>KIT</b> issues an ID and password for each applicant to sign-in to our online application system, and sends the instructions of application procedure to the applicants.
<b>By April 23</b>	<b>Each applicant</b> is required to submit the following documents through online application. <ul style="list-style-type: none"><li>- Application for Admission, Form A</li><li>- Application Form B-1</li><li>- Certificate of Enrollment at current institution/university</li><li>- Photocopy of Passport</li></ul> * Please note that the application will be not accepted past the deadline.
<b>By end of May</b>	<b>KIT</b> selects students based on their applications and will notify the result to each applicant.
<b>During June</b>	<b>VISA application</b> (only for students who need a VISA to enter Japan)
<b>By June 27</b>	<b>Selected students</b> submit the following documents to KIT. <ul style="list-style-type: none"><li>- Photocopy of Traveler’s Insurance</li><li>- Flight information (arrival/departure flight number and time)</li><li>- Online Pre-program Questionnaire (will be sent to the selected applicants with the selection notification.)</li></ul>

## 7. Accommodation

All students are required to stay in the guesthouse arranged by KIT.

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

Accommodation fees for **9 nights** (check-in July 23<sup>rd</sup>, check-out August 1<sup>st</sup>.) are fully covered by KIT. This is an 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 will be separated and rooms may be shared among students of different nationality.

## 8. Study Report

Each student will be required to submit pre & post program questionnaires and a B-2 report form 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](mailto:kokusai@jim.kit.ac.jp)

When contacting us by email, please indicate **"TEXTILE 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
<b>JASSO Grade Points</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>

(Formula for calculation)

$$\frac{((\text{Number of credits at grade point } 3 \times 3) + (\text{Number of credits at grade point } 2 \times 2) + (\text{Number of credits at grade point } 1 \times 1) + (\text{Number of credits at grade point } 0 \times 0))}{\text{Total Number of Credits}}$$
 (Round to the second decimal place.)

\* If a credit system is not used at the institution concerned, convert each class to one credit.

2018 KIT Textile Summer School [Time Table] **TENTATIVE**

As of Feb. 21

Date	23-Jul	24-Jul	25-Jul			26-Jul	27-Jul	28-Jul	29-Jul	30-Jul	31-Jul	1-Aug		
	MON	TUE	WED			THU	FRI	SAT	SUN	MON	TUE	WED		
A M	9:00													
	10:00		Orientation	Lecture 3			Company Visit	1-day Lab Experience	Furoshiki & Fukusa Gallery	Kyoto Shibori Museum <small>(Mini-Dyeing Class)</small>	Lecture 5	Final Presentation		
	11:00		Textile Science Center Outlines	Lectuer 4			TOYOBO				Lecture 6			
			Campus Tour									Closing Ceremony		
12:00		cafeteria	cafeteria			lunch	cafeteria	lunch	lunch	cafeteria	FAREWELL PARTY			
P M	13:00	Arrival	Lecture 1	A	B	C	Company Visit	1-day Lab Experience	Visit museums and galleries freely	Visit museums and galleries freely	Preparation for presentation			
				C	A	B	KAWASHIMA SELKON		Kyoto City Archaeological Museum	Traditional Japanese Towel				
				B	C	A								
	14:00		break	D	E	F								Chiso Gallery (Kimono)
				F	D	E							Kyoto Traditional Craft Center	
		Lecture 2	E	F	D		Nishijin Textile Center							
15:00			Lab Visits (above)											
			break											
16:00			KIT Museum Visit											
	Check-in		WELCOME PARTY											