KYOTO INSTITUTE OF TECHNOLOGY

CALL FOR PARTICIPANTS

KIT Fiber & Textile Summer School 2023

July 25 – August 1, 2023

Kyoto Institute of Technology, Japan

Organized by Center for Fiber and Textile Science
In association with KIT International Center

Nomination deadline: March 31, 2023

The nomination of applicants will be accepted only through the International Office / Coordinator of International Programs at the applicant's university.

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1. Purpose
120 years ago, Kyoto Institute of Technology was founded to provide engineers, chemists, designers, and other human resources for active textile industry in Kyoto at the time. From that textile-focused institution, we have evolved into a center for advanced academic education and research. Our courses now include exciting technological developments in fiber/textile science and engineering. To share our expertise with more people, we are pleased to announce that we are now accepting applications for our KIT Fiber & Textile Summer School 2023.

During this 8-day intensive program, Faculty of Fiber Science and Engineering specialists provide hands-on and meaningful opportunities to explore a wide range of cutting-edge fiber/textile technologies and science. Working, collaborating and networking with students from other regions of the world, your students will gain first-hand experience of the research and development currently taking place on our campus. Attending lectures and discussions by KIT professors, participating in laboratory experiments, and visiting KIT laboratories is surpassed only by tours of Kyoto fiber and textile companies, where students see research results in action. Students will greatly expand their understanding of the potential of the field, and their motivation to pursue new directions in fiber and textile science will be greatly enhanced.

2. Dates and Venue
From July 25th to August 1st, 2023 at KIT and around Kyoto City, Japan.

3. Language
The language of instruction is English.
Students also enjoy learning different languages through interaction with other students from different countries/regions to enhance communication skills and the diversity of multi-lingual, multi-cultural circumstances this program offers.

4. Eligibility
- Undergraduate 2nd, 3rd year student.
- 4th year students, only if planning to apply for KIT Master's program.
- All should be enrolled full-time in a degree-seeking program at a participating university.

KIT will accept one to three students per university and will select a total of 30 students from all applicants.

5. Costs
KIT covers the following fees:
- Program fee
- Materials and equipment

Each student is responsible for the following expenses:
- International round-trip airfare
- Airport transportation to and from KIT
- Accommodation of your choice
- Meals and personal shopping
- Overseas travel insurance

6. Accommodation
The participants should find your accommodation by yourselves.

KIT's location. https://www.kit.ac.jp/en/location/
The nearest Kyoto city subway station is MATSUGASAKI Station on the KRASUMA subway line.
We recommend that you find an accommodation in an area where you can get to campus within 30 minutes.

7. Program Contents
- Lectures of textile and fiber science engineering
- Company visits
- KIT Lab visits
- Lab experience* (please see the next page)
- Kyoto culture experience
- Final presentation / closing ceremony

***Lab Experience Options (please select 5 preferences)**

For the lab experience, 13 labs (see chart below) will each accept 2-10 students to conduct an experiment. Please select 5 preferences from the Lab A to M. We will do our best to accommodate the student's preferred topic, but cannot guarantee that they will be placed in their choice. This is an essential part of the program and it is mandatory for students to participate in this lab experience.

Lab	Topic	Instructor	Max. Students	Note
A	Biodegradability assessment of biobased polymers by treatment with degrading enzymes	Prof. Yuji Aso	4	
B	Synthesis of polymers	Assoc. Prof. Tomonari Tanaka	5	
C	Preparation of DNA from foods	Assoc. Prof. Takashi Aoki	5	
D	Spectroscopic analysis of polymer films and fibers	Assoc. Prof. Kazushi Yamada	2	
E	Evolution Technologies of Fabric Mechanics for Digital Design of Soft Materials	Prof. Atsushi Sakuma	5	
F	Purification of cellulose from plant tissues: To learn how to isolate cellulose fibers from plant materials.	Assoc. Prof. Yoko Okahisa	2	
G	Melt Electrowriting of Biobased Polymers	Assistant. Prof. Xu Huaizhong	3	
H	Spinning Technology – electrospinning and melt spinning	Assoc. Prof. Midori Takasaki, Dr. Hou Zongzi, Dr. Shinichi Yagi, and Specially-appointed Prof. Takeshi Kikutani	4	
I	Water-free dyeing in supercritical carbon dioxide	Prof. Satoko Okubayashi	3	
J	Hair Dyeing by Using Biobased Materials	Assoc. Prof. Hidekazu Yasunaga	4	
K	Color Evaluation of Textiles	Assoc. Prof. Saori Kitaguchi	10	
L	Structure and Property Relationship of Polymer Materials	Prof. Shin-ichi Sakurai	3	Only July 28th
M	Fabrication and characterization of electromechanically active electrospun nano/microfiber mats	Assoc. Prof. Yuya Ishii	3	Only for those who want to enroll as a Master student at KIT

Timetable (tentative)

	July 24 Mon	July 25 Tue	July 26 Wed	July 27 Thu	July 28 Fri	July 29 Sat	July 30 Sun	July 31 Mon	August 1 Tue	August 2 Wed
AM		Orientation Special Lecture Campus Tour	Lecture	Company Visit	Lab Experience	Kyoto Culture Experience	Free Time	Lab Experience	Final Presentation Closing Ceremony	Departure
PM	Arrival	Design Lab Museum Tour Welcome Party	Lab Tour	Company Visit		Kyoto Culture Experience		Prepare for the Final Presentation	Farewell Lunch	

8. Required Documents and Procedures

Dates	Procedures
By March 31	**Each partner university** sends the following items to Center for Fiber and Textile Science: - A list of applicants including: • Name • E-mail • Academic status (year & major) • Lab preference (up to 5) - All applicants' academic transcripts of the most recently completed academic year
By April 14	**KIT** pre-selects prospective participants and informs the applicants. Please understand, due to the limited program capacity, usually only 1-2 students per partner university will be accepted. **KIT** e-mails a set of ID and password to each applicant for the online application procedures with detail instructions. **Partner universities** are asked to sign the "Policies" and send to KIT via e-mail.
By April 28	**Each applicant** is required to complete the application procedures. Answer through the online system - Admission Application - Scholarship Application Submit through file upload system or e-mail - Certificate of Enrollment at current institution - Photocopy of the Passport
By May 15	**KIT** finalizes the selection of participants based on the submitted documents, and notifies the result to each applicant. Scholarship recipients will be announced.
By June 30	**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

9. Financial Assistance

KIT will provide up to 80,000 Japanese yen in scholarships as financial assistance to participants who meet the following requirements.
Center for Fiber and Textile Science and International Center will be in charge of the selection of the beneficiaries on the basis of the application documents.

Requirements:

- Applicants must be high-achieving students at their home institutions with a JASSO GPA of 2.3 or higher in the previous year. (See JASSO GPA calculation chart below).
- Applicants must attend the entire program.
- Applicants must have a financial need that would make it difficult to attend this program without this financial assistance.
- Applicants must not receive any other financial assistance for the daily expenses of the Summer School which exceeds the amount of the KIT financial assistance.

10. Study Report

Participants are required to submit a questionnaire before they leave Japan.

11. Credits

Participants from KIT are registered in a Graduate School course "International Cooperation Project (1 credit)".

Participants from other universities will receive "Certificates of Completion," which may be used for obtaining credits from their home institutions.

[Contact] Center for Fiber and Textile Science
Kyoto Institute of Technology
kitfiber@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 3 x 3) +
(Number of credits at grade point 2 x 2) +
(Number of credits at grade point 1 x 1) +
(Number of credits at grade point 0 x 0)) /
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.