



**KYOTO
INSTITUTE OF
TECHNOLOGY**

CALL FOR PARTICIPANTS

KIT Fiber & Textile Summer School 2024

July 25 – August 1, 2024

Kyoto Institute of Technology, Japan

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

Nomination deadline: March 31, 2024

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



KIT

Fiber & Textile

Summer School

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CALL FOR PARTICIPANTS

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 2024.

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, 2024 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 a maximum of 3 applicants 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 KARASUMA 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 4 preferences**

For the lab experience, 9 labs (see the chart below) will each accept 2-5 students to conduct an experiment. Please select 4 preferences from the Lab A through I. 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
A	Biodegradability assessment of biobased polymers by treatment with degrading enzymes	Prof. Yuji Aso	4
B	Synthesis of polymers	Prof. Tomonari Tanaka	5
C	Exploring the impact of pressure in extrusion molding of intriguing block copolymers	Prof. Ikuo Taniguchi	3
D	Purification of cellulose from plant tissues: To learn how to isolate cellulose fibers from plant materials.	Assoc. Prof. Yoko Okahisa	2
E	Melt Electrowriting of Biobased Polymers	Assistant. Prof. Xu Huaizhong	3
F	Water-free dyeing in supercritical carbon dioxide	Prof. Satoko Okubayashi	3
G	Dyeing or Finishing of Fibre or Hair Samples by Using Biobased Materials	Assoc. Prof. Hidekazu Yasunaga	4
H	Structure and Property Relationship of Polymer Materials	Prof. Shin-ichi Sakurai	5
I	Learn How to Control Structure and Properties of Bioplastics	Assoc. Prof. Hironori Marubayashi	2

Timetable (tentative)

	July 24 Wed	July 25 Thu	July 26 Fri	July 27 Sat	July 28 Sun	July 29 Mon	July 30 Tus	July 31 Wed	August 1 Thu	August 2 Fri
A M		Orientation Special Lecture Campus Tour	Lecture	Kyoto Culture Experience	Free Time	Company Visit	Lab Experience	Lab Experience	Final Presentation Closing Ceremony	Departure
P M	Arrival	Design Lab Museum Tour Welcome Party	Lab Tour	Kyoto Culture Experience		Company Visit		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: <ul style="list-style-type: none"> - A list of applicants including: <ul style="list-style-type: none"> • Name • E-mail address • Academic status (year & major) • Lab preference (up to 4) - All applicants' <u>academic transcripts</u> 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, <u>usually only 2-3 students per partner university will be accepted.</u> Partner universities will be asked to sign the "Policies" and send to KIT via e-mail.
By April 28	Applicant students will be required to submit some or all of the following documents. <u>Students will be notified by email on how to submit them. Please note that if the required documents are not submitted, the student's application will be cancelled.</u> <ul style="list-style-type: none"> • Application for Admission • Scholarship Application Form • Certificate of Enrollment in current institution • Copy of Passport
By May 15	KIT will finalize the selection of participants based on the submitted documents and notify each applicant of the result. Scholarship recipients will be announced.
By June 30 *If need visa, by April 30.	Selected applicants will be requested to submit the following documents to KIT. <ul style="list-style-type: none"> • Photocopy of Traveler's Insurance • Flight information (arrival/departure flight number and time) • Accommodation reservation info. • 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 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:

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

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